APPENDIX H

RI LABORATORY DATA

PART 2

L1079374-L1092440

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

March 22, 2019

PES Environmental, Inc.- WA

Sample Delivery Group:	L1079374
Samples Received:	03/15/2019
Project Number:	1413.001.05.601
Description:	American Linen
Site:	AMERICAN LINEN
Report To:	Brian O'Neal/Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By: Brian Ford

Brian Ford
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



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MW134-031219 L1079374-01 GW

Collected by: BH / KZ | Collected date/time: 03/12/19 09:55 | Received date/time: 03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1250839	1	03/17/19 23:12	03/17/19 23:12	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252689	1	03/20/19 14:05	03/20/19 14:05	JHH	Mt. Juliet, TN

MW136-031219 L1079374-02 GW

Collected by: BH / KZ | Collected date/time: 03/12/19 11:30 | Received date/time: 03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1250839	1	03/17/19 23:35	03/17/19 23:35	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252689	1	03/20/19 14:25	03/20/19 14:25	JHH	Mt. Juliet, TN

MW908-031219 L1079374-03 GW

Collected by: BH / KZ | Collected date/time: 03/12/19 11:45 | Received date/time: 03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1250839	1	03/17/19 23:59	03/17/19 23:59	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252689	1	03/20/19 14:45	03/20/19 14:45	JHH	Mt. Juliet, TN

MW151-031219 L1079374-04 GW

Collected by: BH / KZ | Collected date/time: 03/12/19 14:20 | Received date/time: 03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1250839	1	03/18/19 00:23	03/18/19 00:23	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252689	1	03/20/19 15:05	03/20/19 15:05	JHH	Mt. Juliet, TN

MW163-031219 L1079374-05 GW

Collected by: BH / KZ | Collected date/time: 03/12/19 14:30 | Received date/time: 03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1250839	1	03/18/19 00:46	03/18/19 00:46	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252689	1	03/20/19 15:25	03/20/19 15:25	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1253202	10	03/21/19 21:39	03/21/19 21:39	BMB	Mt. Juliet, TN

MW164-031219 L1079374-06 GW

Collected by: BH / KZ | Collected date/time: 03/12/19 16:00 | Received date/time: 03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1250839	1	03/18/19 01:10	03/18/19 01:10	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252689	1	03/20/19 15:45	03/20/19 15:45	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1253202	10	03/21/19 21:59	03/21/19 21:59	BMB	Mt. Juliet, TN

MW133-031319 L1079374-07 GW

Collected by: BH / KZ | Collected date/time: 03/13/19 10:40 | Received date/time: 03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1250839	1	03/18/19 01:34	03/18/19 01:34	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252689	1	03/20/19 16:04	03/20/19 16:04	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1253202	1	03/21/19 22:18	03/21/19 22:18	BMB	Mt. Juliet, TN

MW150-031319 L1079374-08 GW

Collected by: BH / KZ | Collected date/time: 03/13/19 12:50 | Received date/time: 03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1250839	1	03/18/19 01:57	03/18/19 01:57	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252689	1	03/20/19 16:24	03/20/19 16:24	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1253202	250	03/21/19 23:18	03/21/19 23:18	BMB	Mt. Juliet, TN

MW135-031319 L1079374-09 GW

Collected by: BH / KZ | Collected date/time: 03/13/19 13:00 | Received date/time: 03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1251474	25	03/19/19 20:25	03/19/19 20:25	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252689	1	03/20/19 16:44	03/20/19 16:44	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1253202	1000	03/21/19 23:38	03/21/19 23:38	BMB	Mt. Juliet, TN

MW149-031319 L1079374-10 GW

Collected by: BH / KZ | Collected date/time: 03/13/19 13:45 | Received date/time: 03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1251474	10	03/19/19 20:01	03/19/19 20:01	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252689	1	03/20/19 17:03	03/20/19 17:03	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1253202	500	03/21/19 23:58	03/21/19 23:58	BMB	Mt. Juliet, TN

MW104-031319 L1079374-11 GW

Collected by: BH / KZ | Collected date/time: 03/13/19 15:33 | Received date/time: 03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1251474	1	03/19/19 19:14	03/19/19 19:14	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252689	1	03/20/19 17:23	03/20/19 17:23	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1253202	1	03/22/19 00:17	03/22/19 00:17	BMB	Mt. Juliet, TN

MW138-031419 L1079374-12 GW

Collected by: BH / KZ | Collected date/time: 03/14/19 10:45 | Received date/time: 03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1251474	1	03/19/19 19:38	03/19/19 19:38	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252689	1	03/20/19 17:42	03/20/19 17:42	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1253202	1	03/22/19 00:37	03/22/19 00:37	BMB	Mt. Juliet, TN

TRIP BLANK-031419 L1079374-13 GW

Collected by: BH / KZ | Collected date/time: 03/14/19 10:45 | Received date/time: 03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1250839	1	03/17/19 21:13	03/17/19 21:13	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252689	1	03/20/19 13:45	03/20/19 13:45	JHH	Mt. Juliet, TN

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



Brian Ford
Project Manager

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	03/17/2019 23:12	WG1250839
(S) a,a,a-Trifluorotoluene(FID)	*94.3*			*78.0-120*		*03/17/2019 23:12*	WG1250839

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	03/20/2019 14:05	WG1252689
Acrylonitrile	U		0.873	5.00	1	03/20/2019 14:05	WG1252689
Benzene	U		0.0896	0.500	1	03/20/2019 14:05	WG1252689
Bromobenzene	U		0.133	0.500	1	03/20/2019 14:05	WG1252689
Bromodichloromethane	U		0.0800	0.500	1	03/20/2019 14:05	WG1252689
Bromochloromethane	U		0.145	0.500	1	03/20/2019 14:05	WG1252689
Bromoform	U		0.186	0.500	1	03/20/2019 14:05	WG1252689
Bromomethane	U		0.157	2.50	1	03/20/2019 14:05	WG1252689
n-Butylbenzene	U		0.143	0.500	1	03/20/2019 14:05	WG1252689
sec-Butylbenzene	U		0.134	0.500	1	03/20/2019 14:05	WG1252689
tert-Butylbenzene	U		0.183	0.500	1	03/20/2019 14:05	WG1252689
Carbon disulfide	U		0.101	0.500	1	03/20/2019 14:05	WG1252689
Carbon tetrachloride	U		0.159	0.500	1	03/20/2019 14:05	WG1252689
Chlorobenzene	U		0.140	0.500	1	03/20/2019 14:05	WG1252689
Chlorodibromomethane	U		0.128	0.500	1	03/20/2019 14:05	WG1252689
Chloroethane	U		0.141	2.50	1	03/20/2019 14:05	WG1252689
Chloroform	U		0.0860	0.500	1	03/20/2019 14:05	WG1252689
Chloromethane	U		0.153	1.25	1	03/20/2019 14:05	WG1252689
2-Chlorotoluene	U		0.111	0.500	1	03/20/2019 14:05	WG1252689
4-Chlorotoluene	U		0.0972	0.500	1	03/20/2019 14:05	WG1252689
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	03/20/2019 14:05	WG1252689
1,2-Dibromoethane	U		0.193	0.500	1	03/20/2019 14:05	WG1252689
Dibromomethane	U		0.117	0.500	1	03/20/2019 14:05	WG1252689
1,2-Dichlorobenzene	U		0.101	0.500	1	03/20/2019 14:05	WG1252689
1,3-Dichlorobenzene	U		0.130	0.500	1	03/20/2019 14:05	WG1252689
1,4-Dichlorobenzene	U		0.121	0.500	1	03/20/2019 14:05	WG1252689
Dichlorodifluoromethane	U		0.127	2.50	1	03/20/2019 14:05	WG1252689
1,1-Dichloroethane	U		0.114	0.500	1	03/20/2019 14:05	WG1252689
1,2-Dichloroethane	U		0.108	0.500	1	03/20/2019 14:05	WG1252689
1,1-Dichloroethene	U		0.188	0.500	1	03/20/2019 14:05	WG1252689
cis-1,2-Dichloroethene	0.550		0.0933	0.500	1	03/20/2019 14:05	WG1252689
trans-1,2-Dichloroethene	U		0.152	0.500	1	03/20/2019 14:05	WG1252689
1,2-Dichloropropane	U		0.190	0.500	1	03/20/2019 14:05	WG1252689
1,1-Dichloropropene	U		0.128	0.500	1	03/20/2019 14:05	WG1252689
1,3-Dichloropropane	U		0.147	1.00	1	03/20/2019 14:05	WG1252689
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/20/2019 14:05	WG1252689
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/20/2019 14:05	WG1252689
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	03/20/2019 14:05	WG1252689
2,2-Dichloropropane	U		0.0929	0.500	1	03/20/2019 14:05	WG1252689
Di-isopropyl ether	U		0.0924	0.500	1	03/20/2019 14:05	WG1252689
Ethylbenzene	U		0.158	0.500	1	03/20/2019 14:05	WG1252689
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/20/2019 14:05	WG1252689
2-Hexanone	U		0.757	5.00	1	03/20/2019 14:05	WG1252689
n-Hexane	U		0.305	5.00	1	03/20/2019 14:05	WG1252689
Iodomethane	U		0.377	10.0	1	03/20/2019 14:05	WG1252689
Isopropylbenzene	U		0.126	0.500	1	03/20/2019 14:05	WG1252689
p-Isopropyltoluene	U		0.138	0.500	1	03/20/2019 14:05	WG1252689
2-Butanone (MEK)	U		1.28	5.00	1	03/20/2019 14:05	WG1252689

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	03/20/2019 14:05	WG1252689
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	03/20/2019 14:05	WG1252689
Methyl tert-butyl ether	U		0.102	0.500	1	03/20/2019 14:05	WG1252689
Naphthalene	U		0.174	2.50	1	03/20/2019 14:05	WG1252689
n-Propylbenzene	U		0.162	0.500	1	03/20/2019 14:05	WG1252689
Styrene	U		0.117	0.500	1	03/20/2019 14:05	WG1252689
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/20/2019 14:05	WG1252689
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	03/20/2019 14:05	WG1252689
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	03/20/2019 14:05	WG1252689
Tetrachloroethene	U		0.199	0.500	1	03/20/2019 14:05	WG1252689
Toluene	U		0.412	0.500	1	03/20/2019 14:05	WG1252689
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/20/2019 14:05	WG1252689
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/20/2019 14:05	WG1252689
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/20/2019 14:05	WG1252689
1,1,2-Trichloroethane	U		0.186	0.500	1	03/20/2019 14:05	WG1252689
Trichloroethene	U		0.153	0.500	1	03/20/2019 14:05	WG1252689
Trichlorofluoromethane	U		0.130	2.50	1	03/20/2019 14:05	WG1252689
1,2,3-Trichloropropane	U		0.247	2.50	1	03/20/2019 14:05	WG1252689
1,2,4-Trimethylbenzene	U		0.123	0.500	1	03/20/2019 14:05	WG1252689
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	03/20/2019 14:05	WG1252689
1,3,5-Trimethylbenzene	U		0.124	0.500	1	03/20/2019 14:05	WG1252689
Vinyl acetate	U		0.645	5.00	1	03/20/2019 14:05	WG1252689
Vinyl chloride	17.7		0.118	0.500	1	03/20/2019 14:05	WG1252689
Xylenes, Total	U		0.316	1.50	1	03/20/2019 14:05	WG1252689
(S) Toluene-d8	*105*			*80.0-120*		*03/20/2019 14:05*	WG1252689
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*03/20/2019 14:05*	WG1252689
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*03/20/2019 14:05*	WG1252689

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	03/17/2019 23:35	WG1250839
(S) a,a,a-Trifluorotoluene(FID)	*94.5*			*78.0-120*		*03/17/2019 23:35*	WG1250839

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	03/20/2019 14:25	WG1252689
Acrylonitrile	U		0.873	5.00	1	03/20/2019 14:25	WG1252689
Benzene	U		0.0896	0.500	1	03/20/2019 14:25	WG1252689
Bromobenzene	U		0.133	0.500	1	03/20/2019 14:25	WG1252689
Bromodichloromethane	U		0.0800	0.500	1	03/20/2019 14:25	WG1252689
Bromochloromethane	U		0.145	0.500	1	03/20/2019 14:25	WG1252689
Bromoform	U		0.186	0.500	1	03/20/2019 14:25	WG1252689
Bromomethane	U		0.157	2.50	1	03/20/2019 14:25	WG1252689
n-Butylbenzene	U		0.143	0.500	1	03/20/2019 14:25	WG1252689
sec-Butylbenzene	U		0.134	0.500	1	03/20/2019 14:25	WG1252689
tert-Butylbenzene	U		0.183	0.500	1	03/20/2019 14:25	WG1252689
Carbon disulfide	U		0.101	0.500	1	03/20/2019 14:25	WG1252689
Carbon tetrachloride	U		0.159	0.500	1	03/20/2019 14:25	WG1252689
Chlorobenzene	U		0.140	0.500	1	03/20/2019 14:25	WG1252689
Chlorodibromomethane	U		0.128	0.500	1	03/20/2019 14:25	WG1252689
Chloroethane	U		0.141	2.50	1	03/20/2019 14:25	WG1252689
Chloroform	U		0.0860	0.500	1	03/20/2019 14:25	WG1252689
Chloromethane	U		0.153	1.25	1	03/20/2019 14:25	WG1252689
2-Chlorotoluene	U		0.111	0.500	1	03/20/2019 14:25	WG1252689
4-Chlorotoluene	U		0.0972	0.500	1	03/20/2019 14:25	WG1252689
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	03/20/2019 14:25	WG1252689
1,2-Dibromoethane	U		0.193	0.500	1	03/20/2019 14:25	WG1252689
Dibromomethane	U		0.117	0.500	1	03/20/2019 14:25	WG1252689
1,2-Dichlorobenzene	U		0.101	0.500	1	03/20/2019 14:25	WG1252689
1,3-Dichlorobenzene	U		0.130	0.500	1	03/20/2019 14:25	WG1252689
1,4-Dichlorobenzene	U		0.121	0.500	1	03/20/2019 14:25	WG1252689
Dichlorodifluoromethane	U		0.127	2.50	1	03/20/2019 14:25	WG1252689
1,1-Dichloroethane	U		0.114	0.500	1	03/20/2019 14:25	WG1252689
1,2-Dichloroethane	U		0.108	0.500	1	03/20/2019 14:25	WG1252689
1,1-Dichloroethene	U		0.188	0.500	1	03/20/2019 14:25	WG1252689
cis-1,2-Dichloroethene	0.330	J	0.0933	0.500	1	03/20/2019 14:25	WG1252689
trans-1,2-Dichloroethene	U		0.152	0.500	1	03/20/2019 14:25	WG1252689
1,2-Dichloropropane	U		0.190	0.500	1	03/20/2019 14:25	WG1252689
1,1-Dichloropropene	U		0.128	0.500	1	03/20/2019 14:25	WG1252689
1,3-Dichloropropane	U		0.147	1.00	1	03/20/2019 14:25	WG1252689
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/20/2019 14:25	WG1252689
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/20/2019 14:25	WG1252689
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	03/20/2019 14:25	WG1252689
2,2-Dichloropropane	U		0.0929	0.500	1	03/20/2019 14:25	WG1252689
Di-isopropyl ether	U		0.0924	0.500	1	03/20/2019 14:25	WG1252689
Ethylbenzene	U		0.158	0.500	1	03/20/2019 14:25	WG1252689
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/20/2019 14:25	WG1252689
2-Hexanone	U		0.757	5.00	1	03/20/2019 14:25	WG1252689
n-Hexane	U		0.305	5.00	1	03/20/2019 14:25	WG1252689
Iodomethane	U		0.377	10.0	1	03/20/2019 14:25	WG1252689
Isopropylbenzene	U		0.126	0.500	1	03/20/2019 14:25	WG1252689
p-Isopropyltoluene	U		0.138	0.500	1	03/20/2019 14:25	WG1252689
2-Butanone (MEK)	U		1.28	5.00	1	03/20/2019 14:25	WG1252689

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	03/20/2019 14:25	WG1252689
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	03/20/2019 14:25	WG1252689
Methyl tert-butyl ether	U		0.102	0.500	1	03/20/2019 14:25	WG1252689
Naphthalene	U		0.174	2.50	1	03/20/2019 14:25	WG1252689
n-Propylbenzene	U		0.162	0.500	1	03/20/2019 14:25	WG1252689
Styrene	U		0.117	0.500	1	03/20/2019 14:25	WG1252689
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/20/2019 14:25	WG1252689
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	03/20/2019 14:25	WG1252689
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	03/20/2019 14:25	WG1252689
Tetrachloroethene	0.206	J	0.199	0.500	1	03/20/2019 14:25	WG1252689
Toluene	U		0.412	0.500	1	03/20/2019 14:25	WG1252689
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/20/2019 14:25	WG1252689
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/20/2019 14:25	WG1252689
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/20/2019 14:25	WG1252689
1,1,2-Trichloroethane	U		0.186	0.500	1	03/20/2019 14:25	WG1252689
Trichloroethene	U		0.153	0.500	1	03/20/2019 14:25	WG1252689
Trichlorofluoromethane	U		0.130	2.50	1	03/20/2019 14:25	WG1252689
1,2,3-Trichloropropane	U		0.247	2.50	1	03/20/2019 14:25	WG1252689
1,2,4-Trimethylbenzene	U		0.123	0.500	1	03/20/2019 14:25	WG1252689
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	03/20/2019 14:25	WG1252689
1,3,5-Trimethylbenzene	U		0.124	0.500	1	03/20/2019 14:25	WG1252689
Vinyl acetate	U		0.645	5.00	1	03/20/2019 14:25	WG1252689
Vinyl chloride	U		0.118	0.500	1	03/20/2019 14:25	WG1252689
Xylenes, Total	U		0.316	1.50	1	03/20/2019 14:25	WG1252689
(S) Toluene-d8	*98.9*			*80.0-120*		*03/20/2019 14:25*	WG1252689
(S) 4-Bromofluorobenzene	*97.7*			*77.0-126*		*03/20/2019 14:25*	WG1252689
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*03/20/2019 14:25*	WG1252689

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	03/17/2019 23:59	WG1250839
(S) a,a,a-Trifluorotoluene(FID)	*94.5*			*78.0-120*		*03/17/2019 23:59*	WG1250839

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	03/20/2019 14:45	WG1252689
Acrylonitrile	U		0.873	5.00	1	03/20/2019 14:45	WG1252689
Benzene	U		0.0896	0.500	1	03/20/2019 14:45	WG1252689
Bromobenzene	U		0.133	0.500	1	03/20/2019 14:45	WG1252689
Bromodichloromethane	U		0.0800	0.500	1	03/20/2019 14:45	WG1252689
Bromochloromethane	U		0.145	0.500	1	03/20/2019 14:45	WG1252689
Bromoform	U		0.186	0.500	1	03/20/2019 14:45	WG1252689
Bromomethane	U		0.157	2.50	1	03/20/2019 14:45	WG1252689
n-Butylbenzene	U		0.143	0.500	1	03/20/2019 14:45	WG1252689
sec-Butylbenzene	U		0.134	0.500	1	03/20/2019 14:45	WG1252689
tert-Butylbenzene	U		0.183	0.500	1	03/20/2019 14:45	WG1252689
Carbon disulfide	U		0.101	0.500	1	03/20/2019 14:45	WG1252689
Carbon tetrachloride	U		0.159	0.500	1	03/20/2019 14:45	WG1252689
Chlorobenzene	U		0.140	0.500	1	03/20/2019 14:45	WG1252689
Chlorodibromomethane	U		0.128	0.500	1	03/20/2019 14:45	WG1252689
Chloroethane	U		0.141	2.50	1	03/20/2019 14:45	WG1252689
Chloroform	U		0.0860	0.500	1	03/20/2019 14:45	WG1252689
Chloromethane	U		0.153	1.25	1	03/20/2019 14:45	WG1252689
2-Chlorotoluene	U		0.111	0.500	1	03/20/2019 14:45	WG1252689
4-Chlorotoluene	U		0.0972	0.500	1	03/20/2019 14:45	WG1252689
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	03/20/2019 14:45	WG1252689
1,2-Dibromoethane	U		0.193	0.500	1	03/20/2019 14:45	WG1252689
Dibromomethane	U		0.117	0.500	1	03/20/2019 14:45	WG1252689
1,2-Dichlorobenzene	U		0.101	0.500	1	03/20/2019 14:45	WG1252689
1,3-Dichlorobenzene	U		0.130	0.500	1	03/20/2019 14:45	WG1252689
1,4-Dichlorobenzene	U		0.121	0.500	1	03/20/2019 14:45	WG1252689
Dichlorodifluoromethane	U		0.127	2.50	1	03/20/2019 14:45	WG1252689
1,1-Dichloroethane	U		0.114	0.500	1	03/20/2019 14:45	WG1252689
1,2-Dichloroethane	U		0.108	0.500	1	03/20/2019 14:45	WG1252689
1,1-Dichloroethene	U		0.188	0.500	1	03/20/2019 14:45	WG1252689
cis-1,2-Dichloroethene	0.378	J	0.0933	0.500	1	03/20/2019 14:45	WG1252689
trans-1,2-Dichloroethene	U		0.152	0.500	1	03/20/2019 14:45	WG1252689
1,2-Dichloropropane	U		0.190	0.500	1	03/20/2019 14:45	WG1252689
1,1-Dichloropropene	U		0.128	0.500	1	03/20/2019 14:45	WG1252689
1,3-Dichloropropane	U		0.147	1.00	1	03/20/2019 14:45	WG1252689
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/20/2019 14:45	WG1252689
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/20/2019 14:45	WG1252689
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	03/20/2019 14:45	WG1252689
2,2-Dichloropropane	U		0.0929	0.500	1	03/20/2019 14:45	WG1252689
Di-isopropyl ether	U		0.0924	0.500	1	03/20/2019 14:45	WG1252689
Ethylbenzene	U		0.158	0.500	1	03/20/2019 14:45	WG1252689
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/20/2019 14:45	WG1252689
2-Hexanone	U		0.757	5.00	1	03/20/2019 14:45	WG1252689
n-Hexane	U		0.305	5.00	1	03/20/2019 14:45	WG1252689
Iodomethane	U		0.377	10.0	1	03/20/2019 14:45	WG1252689
Isopropylbenzene	U		0.126	0.500	1	03/20/2019 14:45	WG1252689
p-Isopropyltoluene	U		0.138	0.500	1	03/20/2019 14:45	WG1252689
2-Butanone (MEK)	U		1.28	5.00	1	03/20/2019 14:45	WG1252689

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	03/20/2019 14:45	WG1252689
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	03/20/2019 14:45	WG1252689
Methyl tert-butyl ether	U		0.102	0.500	1	03/20/2019 14:45	WG1252689
Naphthalene	U		0.174	2.50	1	03/20/2019 14:45	WG1252689
n-Propylbenzene	U		0.162	0.500	1	03/20/2019 14:45	WG1252689
Styrene	U		0.117	0.500	1	03/20/2019 14:45	WG1252689
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/20/2019 14:45	WG1252689
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	03/20/2019 14:45	WG1252689
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	03/20/2019 14:45	WG1252689
Tetrachloroethene	0.262	J	0.199	0.500	1	03/20/2019 14:45	WG1252689
Toluene	U		0.412	0.500	1	03/20/2019 14:45	WG1252689
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/20/2019 14:45	WG1252689
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/20/2019 14:45	WG1252689
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/20/2019 14:45	WG1252689
1,1,2-Trichloroethane	U		0.186	0.500	1	03/20/2019 14:45	WG1252689
Trichloroethene	U		0.153	0.500	1	03/20/2019 14:45	WG1252689
Trichlorofluoromethane	U		0.130	2.50	1	03/20/2019 14:45	WG1252689
1,2,3-Trichloropropane	U		0.247	2.50	1	03/20/2019 14:45	WG1252689
1,2,4-Trimethylbenzene	U		0.123	0.500	1	03/20/2019 14:45	WG1252689
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	03/20/2019 14:45	WG1252689
1,3,5-Trimethylbenzene	U		0.124	0.500	1	03/20/2019 14:45	WG1252689
Vinyl acetate	U		0.645	5.00	1	03/20/2019 14:45	WG1252689
Vinyl chloride	U		0.118	0.500	1	03/20/2019 14:45	WG1252689
Xylenes, Total	U		0.316	1.50	1	03/20/2019 14:45	WG1252689
(S) Toluene-d8	*101*			*80.0-120*		*03/20/2019 14:45*	WG1252689
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*03/20/2019 14:45*	WG1252689
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*03/20/2019 14:45*	WG1252689

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	143	B	31.6	100	1	03/18/2019 00:23	WG1250839
(S) a,a,a-Trifluorotoluene(FID)	*94.9*			*78.0-120*		*03/18/2019 00:23*	WG1250839

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	34.5		1.05	25.0	1	03/20/2019 15:05	WG1252689
Acrylonitrile	U		0.873	5.00	1	03/20/2019 15:05	WG1252689
Benzene	0.159	J	0.0896	0.500	1	03/20/2019 15:05	WG1252689
Bromobenzene	U		0.133	0.500	1	03/20/2019 15:05	WG1252689
Bromodichloromethane	U		0.0800	0.500	1	03/20/2019 15:05	WG1252689
Bromochloromethane	U		0.145	0.500	1	03/20/2019 15:05	WG1252689
Bromoform	U		0.186	0.500	1	03/20/2019 15:05	WG1252689
Bromomethane	U		0.157	2.50	1	03/20/2019 15:05	WG1252689
n-Butylbenzene	U		0.143	0.500	1	03/20/2019 15:05	WG1252689
sec-Butylbenzene	U		0.134	0.500	1	03/20/2019 15:05	WG1252689
tert-Butylbenzene	U		0.183	0.500	1	03/20/2019 15:05	WG1252689
Carbon disulfide	1.55		0.101	0.500	1	03/20/2019 15:05	WG1252689
Carbon tetrachloride	U		0.159	0.500	1	03/20/2019 15:05	WG1252689
Chlorobenzene	U		0.140	0.500	1	03/20/2019 15:05	WG1252689
Chlorodibromomethane	U		0.128	0.500	1	03/20/2019 15:05	WG1252689
Chloroethane	10.4		0.141	2.50	1	03/20/2019 15:05	WG1252689
Chloroform	U		0.0860	0.500	1	03/20/2019 15:05	WG1252689
Chloromethane	U		0.153	1.25	1	03/20/2019 15:05	WG1252689
2-Chlorotoluene	U		0.111	0.500	1	03/20/2019 15:05	WG1252689
4-Chlorotoluene	U		0.0972	0.500	1	03/20/2019 15:05	WG1252689
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	03/20/2019 15:05	WG1252689
1,2-Dibromoethane	U		0.193	0.500	1	03/20/2019 15:05	WG1252689
Dibromomethane	U		0.117	0.500	1	03/20/2019 15:05	WG1252689
1,2-Dichlorobenzene	U		0.101	0.500	1	03/20/2019 15:05	WG1252689
1,3-Dichlorobenzene	U		0.130	0.500	1	03/20/2019 15:05	WG1252689
1,4-Dichlorobenzene	U		0.121	0.500	1	03/20/2019 15:05	WG1252689
Dichlorodifluoromethane	U		0.127	2.50	1	03/20/2019 15:05	WG1252689
1,1-Dichloroethane	U		0.114	0.500	1	03/20/2019 15:05	WG1252689
1,2-Dichloroethane	U		0.108	0.500	1	03/20/2019 15:05	WG1252689
1,1-Dichloroethene	U		0.188	0.500	1	03/20/2019 15:05	WG1252689
cis-1,2-Dichloroethene	196		0.0933	0.500	1	03/20/2019 15:05	WG1252689
trans-1,2-Dichloroethene	1.60		0.152	0.500	1	03/20/2019 15:05	WG1252689
1,2-Dichloropropane	U		0.190	0.500	1	03/20/2019 15:05	WG1252689
1,1-Dichloropropene	U		0.128	0.500	1	03/20/2019 15:05	WG1252689
1,3-Dichloropropane	U		0.147	1.00	1	03/20/2019 15:05	WG1252689
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/20/2019 15:05	WG1252689
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/20/2019 15:05	WG1252689
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	03/20/2019 15:05	WG1252689
2,2-Dichloropropane	U		0.0929	0.500	1	03/20/2019 15:05	WG1252689
Di-isopropyl ether	U		0.0924	0.500	1	03/20/2019 15:05	WG1252689
Ethylbenzene	4.88		0.158	0.500	1	03/20/2019 15:05	WG1252689
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/20/2019 15:05	WG1252689
2-Hexanone	U		0.757	5.00	1	03/20/2019 15:05	WG1252689
n-Hexane	0.589	J	0.305	5.00	1	03/20/2019 15:05	WG1252689
Iodomethane	U		0.377	10.0	1	03/20/2019 15:05	WG1252689
Isopropylbenzene	U		0.126	0.500	1	03/20/2019 15:05	WG1252689
p-Isopropyltoluene	U		0.138	0.500	1	03/20/2019 15:05	WG1252689
2-Butanone (MEK)	23.3		1.28	5.00	1	03/20/2019 15:05	WG1252689

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	03/20/2019 15:05	WG1252689
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	03/20/2019 15:05	WG1252689
Methyl tert-butyl ether	U		0.102	0.500	1	03/20/2019 15:05	WG1252689
Naphthalene	U		0.174	2.50	1	03/20/2019 15:05	WG1252689
n-Propylbenzene	U		0.162	0.500	1	03/20/2019 15:05	WG1252689
Styrene	U		0.117	0.500	1	03/20/2019 15:05	WG1252689
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/20/2019 15:05	WG1252689
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	03/20/2019 15:05	WG1252689
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	03/20/2019 15:05	WG1252689
Tetrachloroethene	0.981		0.199	0.500	1	03/20/2019 15:05	WG1252689
Toluene	U		0.412	0.500	1	03/20/2019 15:05	WG1252689
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/20/2019 15:05	WG1252689
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/20/2019 15:05	WG1252689
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/20/2019 15:05	WG1252689
1,1,2-Trichloroethane	U		0.186	0.500	1	03/20/2019 15:05	WG1252689
Trichloroethene	1.36		0.153	0.500	1	03/20/2019 15:05	WG1252689
Trichlorofluoromethane	U		0.130	2.50	1	03/20/2019 15:05	WG1252689
1,2,3-Trichloropropane	U		0.247	2.50	1	03/20/2019 15:05	WG1252689
1,2,4-Trimethylbenzene	U		0.123	0.500	1	03/20/2019 15:05	WG1252689
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	03/20/2019 15:05	WG1252689
1,3,5-Trimethylbenzene	U		0.124	0.500	1	03/20/2019 15:05	WG1252689
Vinyl acetate	U		0.645	5.00	1	03/20/2019 15:05	WG1252689
Vinyl chloride	24.9		0.118	0.500	1	03/20/2019 15:05	WG1252689
Xylenes, Total	U		0.316	1.50	1	03/20/2019 15:05	WG1252689
(S) Toluene-d8	*97.5*			*80.0-120*		*03/20/2019 15:05*	WG1252689
(S) 4-Bromofluorobenzene	*97.8*			*77.0-126*		*03/20/2019 15:05*	WG1252689
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*03/20/2019 15:05*	WG1252689

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	319	B	31.6	100	1	03/18/2019 00:46	WG1250839
(S) a,a,a-Trifluorotoluene(FID)	*95.2*			*78.0-120*		*03/18/2019 00:46*	WG1250839

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	1.13	J	1.05	25.0	1	03/20/2019 15:25	WG1252689
Acrylonitrile	U		0.873	5.00	1	03/20/2019 15:25	WG1252689
Benzene	U		0.0896	0.500	1	03/20/2019 15:25	WG1252689
Bromobenzene	U		0.133	0.500	1	03/20/2019 15:25	WG1252689
Bromodichloromethane	U		0.0800	0.500	1	03/20/2019 15:25	WG1252689
Bromochloromethane	U		0.145	0.500	1	03/20/2019 15:25	WG1252689
Bromoform	U		0.186	0.500	1	03/20/2019 15:25	WG1252689
Bromomethane	U		0.157	2.50	1	03/20/2019 15:25	WG1252689
n-Butylbenzene	U		0.143	0.500	1	03/20/2019 15:25	WG1252689
sec-Butylbenzene	U		0.134	0.500	1	03/20/2019 15:25	WG1252689
tert-Butylbenzene	U		0.183	0.500	1	03/20/2019 15:25	WG1252689
Carbon disulfide	0.248	J	0.101	0.500	1	03/20/2019 15:25	WG1252689
Carbon tetrachloride	U		0.159	0.500	1	03/20/2019 15:25	WG1252689
Chlorobenzene	U		0.140	0.500	1	03/20/2019 15:25	WG1252689
Chlorodibromomethane	U		0.128	0.500	1	03/20/2019 15:25	WG1252689
Chloroethane	U		0.141	2.50	1	03/20/2019 15:25	WG1252689
Chloroform	0.436	J	0.0860	0.500	1	03/20/2019 15:25	WG1252689
Chloromethane	U		0.153	1.25	1	03/20/2019 15:25	WG1252689
2-Chlorotoluene	U		0.111	0.500	1	03/20/2019 15:25	WG1252689
4-Chlorotoluene	U		0.0972	0.500	1	03/20/2019 15:25	WG1252689
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	03/20/2019 15:25	WG1252689
1,2-Dibromoethane	U		0.193	0.500	1	03/20/2019 15:25	WG1252689
Dibromomethane	U		0.117	0.500	1	03/20/2019 15:25	WG1252689
1,2-Dichlorobenzene	U		0.101	0.500	1	03/20/2019 15:25	WG1252689
1,3-Dichlorobenzene	U		0.130	0.500	1	03/20/2019 15:25	WG1252689
1,4-Dichlorobenzene	U		0.121	0.500	1	03/20/2019 15:25	WG1252689
Dichlorodifluoromethane	U		0.127	2.50	1	03/20/2019 15:25	WG1252689
1,1-Dichloroethane	U		0.114	0.500	1	03/20/2019 15:25	WG1252689
1,2-Dichloroethane	U		0.108	0.500	1	03/20/2019 15:25	WG1252689
1,1-Dichloroethene	14.1		0.188	0.500	1	03/20/2019 15:25	WG1252689
cis-1,2-Dichloroethene	56.9		0.0933	0.500	1	03/20/2019 15:25	WG1252689
trans-1,2-Dichloroethene	2.87		0.152	0.500	1	03/20/2019 15:25	WG1252689
1,2-Dichloropropane	U		0.190	0.500	1	03/20/2019 15:25	WG1252689
1,1-Dichloropropene	U		0.128	0.500	1	03/20/2019 15:25	WG1252689
1,3-Dichloropropane	U		0.147	1.00	1	03/20/2019 15:25	WG1252689
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/20/2019 15:25	WG1252689
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/20/2019 15:25	WG1252689
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	03/20/2019 15:25	WG1252689
2,2-Dichloropropane	U		0.0929	0.500	1	03/20/2019 15:25	WG1252689
Di-isopropyl ether	U		0.0924	0.500	1	03/20/2019 15:25	WG1252689
Ethylbenzene	U		0.158	0.500	1	03/20/2019 15:25	WG1252689
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/20/2019 15:25	WG1252689
2-Hexanone	U		0.757	5.00	1	03/20/2019 15:25	WG1252689
n-Hexane	U		0.305	5.00	1	03/20/2019 15:25	WG1252689
Iodomethane	U		0.377	10.0	1	03/20/2019 15:25	WG1252689
Isopropylbenzene	U		0.126	0.500	1	03/20/2019 15:25	WG1252689
p-Isopropyltoluene	U		0.138	0.500	1	03/20/2019 15:25	WG1252689
2-Butanone (MEK)	U		1.28	5.00	1	03/20/2019 15:25	WG1252689

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	03/20/2019 15:25	WG1252689
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	03/20/2019 15:25	WG1252689
Methyl tert-butyl ether	U		0.102	0.500	1	03/20/2019 15:25	WG1252689
Naphthalene	U		0.174	2.50	1	03/20/2019 15:25	WG1252689
n-Propylbenzene	U		0.162	0.500	1	03/20/2019 15:25	WG1252689
Styrene	U		0.117	0.500	1	03/20/2019 15:25	WG1252689
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/20/2019 15:25	WG1252689
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	03/20/2019 15:25	WG1252689
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	03/20/2019 15:25	WG1252689
Tetrachloroethene	282		1.99	5.00	10	03/21/2019 21:39	WG1253202
Toluene	U		0.412	0.500	1	03/20/2019 15:25	WG1252689
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/20/2019 15:25	WG1252689
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/20/2019 15:25	WG1252689
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/20/2019 15:25	WG1252689
1,1,2-Trichloroethane	U		0.186	0.500	1	03/20/2019 15:25	WG1252689
Trichloroethene	334		1.53	5.00	10	03/21/2019 21:39	WG1253202
Trichlorofluoromethane	U		0.130	2.50	1	03/20/2019 15:25	WG1252689
1,2,3-Trichloropropane	U		0.247	2.50	1	03/20/2019 15:25	WG1252689
1,2,4-Trimethylbenzene	U		0.123	0.500	1	03/20/2019 15:25	WG1252689
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	03/20/2019 15:25	WG1252689
1,3,5-Trimethylbenzene	U		0.124	0.500	1	03/20/2019 15:25	WG1252689
Vinyl acetate	U		0.645	5.00	1	03/20/2019 15:25	WG1252689
Vinyl chloride	1.10		0.118	0.500	1	03/20/2019 15:25	WG1252689
Xylenes, Total	U		0.316	1.50	1	03/20/2019 15:25	WG1252689
(S) Toluene-d8	*103*			*80.0-120*		*03/20/2019 15:25*	WG1252689
(S) Toluene-d8	*106*			*80.0-120*		*03/21/2019 21:39*	WG1253202
(S) 4-Bromofluorobenzene	*99.3*			*77.0-126*		*03/20/2019 15:25*	WG1252689
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*03/21/2019 21:39*	WG1253202
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*03/20/2019 15:25*	WG1252689
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*03/21/2019 21:39*	WG1253202

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	565	B	31.6	100	1	03/18/2019 01:10	WG1250839
(S) a,a,a-Trifluorotoluene(FID)	*95.5*			*78.0-120*		*03/18/2019 01:10*	WG1250839

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	1.27	J	1.05	25.0	1	03/20/2019 15:45	WG1252689
Acrylonitrile	U		0.873	5.00	1	03/20/2019 15:45	WG1252689
Benzene	U		0.0896	0.500	1	03/20/2019 15:45	WG1252689
Bromobenzene	U		0.133	0.500	1	03/20/2019 15:45	WG1252689
Bromodichloromethane	U		0.0800	0.500	1	03/20/2019 15:45	WG1252689
Bromochloromethane	U		0.145	0.500	1	03/20/2019 15:45	WG1252689
Bromoform	U		0.186	0.500	1	03/20/2019 15:45	WG1252689
Bromomethane	U		0.157	2.50	1	03/20/2019 15:45	WG1252689
n-Butylbenzene	U		0.143	0.500	1	03/20/2019 15:45	WG1252689
sec-Butylbenzene	U		0.134	0.500	1	03/20/2019 15:45	WG1252689
tert-Butylbenzene	U		0.183	0.500	1	03/20/2019 15:45	WG1252689
Carbon disulfide	1.07		0.101	0.500	1	03/20/2019 15:45	WG1252689
Carbon tetrachloride	U		0.159	0.500	1	03/20/2019 15:45	WG1252689
Chlorobenzene	U		0.140	0.500	1	03/20/2019 15:45	WG1252689
Chlorodibromomethane	U		0.128	0.500	1	03/20/2019 15:45	WG1252689
Chloroethane	U		0.141	2.50	1	03/20/2019 15:45	WG1252689
Chloroform	2.99		0.0860	0.500	1	03/20/2019 15:45	WG1252689
Chloromethane	U		0.153	1.25	1	03/20/2019 15:45	WG1252689
2-Chlorotoluene	U		0.111	0.500	1	03/20/2019 15:45	WG1252689
4-Chlorotoluene	U		0.0972	0.500	1	03/20/2019 15:45	WG1252689
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	03/20/2019 15:45	WG1252689
1,2-Dibromoethane	U		0.193	0.500	1	03/20/2019 15:45	WG1252689
Dibromomethane	U		0.117	0.500	1	03/20/2019 15:45	WG1252689
1,2-Dichlorobenzene	U		0.101	0.500	1	03/20/2019 15:45	WG1252689
1,3-Dichlorobenzene	U		0.130	0.500	1	03/20/2019 15:45	WG1252689
1,4-Dichlorobenzene	U		0.121	0.500	1	03/20/2019 15:45	WG1252689
Dichlorodifluoromethane	U		0.127	2.50	1	03/20/2019 15:45	WG1252689
1,1-Dichloroethane	U		0.114	0.500	1	03/20/2019 15:45	WG1252689
1,2-Dichloroethane	U		0.108	0.500	1	03/20/2019 15:45	WG1252689
1,1-Dichloroethene	8.58		0.188	0.500	1	03/20/2019 15:45	WG1252689
cis-1,2-Dichloroethene	529		0.933	5.00	10	03/21/2019 21:59	WG1253202
trans-1,2-Dichloroethene	4.24		0.152	0.500	1	03/20/2019 15:45	WG1252689
1,2-Dichloropropane	U		0.190	0.500	1	03/20/2019 15:45	WG1252689
1,1-Dichloropropene	U		0.128	0.500	1	03/20/2019 15:45	WG1252689
1,3-Dichloropropane	U		0.147	1.00	1	03/20/2019 15:45	WG1252689
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/20/2019 15:45	WG1252689
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/20/2019 15:45	WG1252689
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	03/20/2019 15:45	WG1252689
2,2-Dichloropropane	U		0.0929	0.500	1	03/20/2019 15:45	WG1252689
Di-isopropyl ether	U		0.0924	0.500	1	03/20/2019 15:45	WG1252689
Ethylbenzene	U		0.158	0.500	1	03/20/2019 15:45	WG1252689
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/20/2019 15:45	WG1252689
2-Hexanone	U		0.757	5.00	1	03/20/2019 15:45	WG1252689
n-Hexane	U		0.305	5.00	1	03/20/2019 15:45	WG1252689
Iodomethane	U		0.377	10.0	1	03/20/2019 15:45	WG1252689
Isopropylbenzene	U		0.126	0.500	1	03/20/2019 15:45	WG1252689
p-Isopropyltoluene	U		0.138	0.500	1	03/20/2019 15:45	WG1252689
2-Butanone (MEK)	U		1.28	5.00	1	03/20/2019 15:45	WG1252689

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	03/20/2019 15:45	WG1252689
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	03/20/2019 15:45	WG1252689
Methyl tert-butyl ether	U		0.102	0.500	1	03/20/2019 15:45	WG1252689
Naphthalene	U		0.174	2.50	1	03/20/2019 15:45	WG1252689
n-Propylbenzene	U		0.162	0.500	1	03/20/2019 15:45	WG1252689
Styrene	U		0.117	0.500	1	03/20/2019 15:45	WG1252689
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/20/2019 15:45	WG1252689
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	03/20/2019 15:45	WG1252689
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	03/20/2019 15:45	WG1252689
Tetrachloroethene	444		1.99	5.00	10	03/21/2019 21:59	WG1253202
Toluene	U		0.412	0.500	1	03/20/2019 15:45	WG1252689
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/20/2019 15:45	WG1252689
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/20/2019 15:45	WG1252689
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/20/2019 15:45	WG1252689
1,1,2-Trichloroethane	U		0.186	0.500	1	03/20/2019 15:45	WG1252689
Trichloroethene	327		1.53	5.00	10	03/21/2019 21:59	WG1253202
Trichlorofluoromethane	U		0.130	2.50	1	03/20/2019 15:45	WG1252689
1,2,3-Trichloropropane	U		0.247	2.50	1	03/20/2019 15:45	WG1252689
1,2,4-Trimethylbenzene	U		0.123	0.500	1	03/20/2019 15:45	WG1252689
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	03/20/2019 15:45	WG1252689
1,3,5-Trimethylbenzene	U		0.124	0.500	1	03/20/2019 15:45	WG1252689
Vinyl acetate	U		0.645	5.00	1	03/20/2019 15:45	WG1252689
Vinyl chloride	7.80		0.118	0.500	1	03/20/2019 15:45	WG1252689
Xylenes, Total	U		0.316	1.50	1	03/20/2019 15:45	WG1252689
(S) Toluene-d8	*101*			*80.0-120*		*03/20/2019 15:45*	WG1252689
(S) Toluene-d8	*108*			*80.0-120*		*03/21/2019 21:59*	WG1253202
(S) 4-Bromofluorobenzene	*97.9*			*77.0-126*		*03/20/2019 15:45*	WG1252689
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*03/21/2019 21:59*	WG1253202
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*03/20/2019 15:45*	WG1252689
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*03/21/2019 21:59*	WG1253202

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	03/18/2019 01:34	WG1250839
(S) a,a,a-Trifluorotoluene(FID)	*95.3*			*78.0-120*		*03/18/2019 01:34*	WG1250839

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	03/20/2019 16:04	WG1252689
Acrylonitrile	U		0.873	5.00	1	03/20/2019 16:04	WG1252689
Benzene	U		0.0896	0.500	1	03/20/2019 16:04	WG1252689
Bromobenzene	U		0.133	0.500	1	03/20/2019 16:04	WG1252689
Bromodichloromethane	U		0.0800	0.500	1	03/20/2019 16:04	WG1252689
Bromochloromethane	U		0.145	0.500	1	03/20/2019 16:04	WG1252689
Bromoform	U		0.186	0.500	1	03/20/2019 16:04	WG1252689
Bromomethane	U		0.157	2.50	1	03/20/2019 16:04	WG1252689
n-Butylbenzene	U		0.143	0.500	1	03/20/2019 16:04	WG1252689
sec-Butylbenzene	U		0.134	0.500	1	03/20/2019 16:04	WG1252689
tert-Butylbenzene	U		0.183	0.500	1	03/20/2019 16:04	WG1252689
Carbon disulfide	U		0.101	0.500	1	03/20/2019 16:04	WG1252689
Carbon tetrachloride	U		0.159	0.500	1	03/20/2019 16:04	WG1252689
Chlorobenzene	U		0.140	0.500	1	03/20/2019 16:04	WG1252689
Chlorodibromomethane	U		0.128	0.500	1	03/20/2019 16:04	WG1252689
Chloroethane	U		0.141	2.50	1	03/20/2019 16:04	WG1252689
Chloroform	U		0.0860	0.500	1	03/20/2019 16:04	WG1252689
Chloromethane	U		0.153	1.25	1	03/20/2019 16:04	WG1252689
2-Chlorotoluene	U		0.111	0.500	1	03/20/2019 16:04	WG1252689
4-Chlorotoluene	U		0.0972	0.500	1	03/20/2019 16:04	WG1252689
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	03/20/2019 16:04	WG1252689
1,2-Dibromoethane	U		0.193	0.500	1	03/20/2019 16:04	WG1252689
Dibromomethane	U		0.117	0.500	1	03/20/2019 16:04	WG1252689
1,2-Dichlorobenzene	U		0.101	0.500	1	03/20/2019 16:04	WG1252689
1,3-Dichlorobenzene	U		0.130	0.500	1	03/20/2019 16:04	WG1252689
1,4-Dichlorobenzene	U		0.121	0.500	1	03/20/2019 16:04	WG1252689
Dichlorodifluoromethane	U		0.127	2.50	1	03/20/2019 16:04	WG1252689
1,1-Dichloroethane	U		0.114	0.500	1	03/20/2019 16:04	WG1252689
1,2-Dichloroethane	U		0.108	0.500	1	03/20/2019 16:04	WG1252689
1,1-Dichloroethene	1.33		0.188	0.500	1	03/20/2019 16:04	WG1252689
cis-1,2-Dichloroethene	7.48		0.0933	0.500	1	03/21/2019 22:18	WG1253202
trans-1,2-Dichloroethene	0.483	J	0.152	0.500	1	03/20/2019 16:04	WG1252689
1,2-Dichloropropane	U		0.190	0.500	1	03/20/2019 16:04	WG1252689
1,1-Dichloropropene	U		0.128	0.500	1	03/20/2019 16:04	WG1252689
1,3-Dichloropropane	U		0.147	1.00	1	03/20/2019 16:04	WG1252689
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/20/2019 16:04	WG1252689
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/20/2019 16:04	WG1252689
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	03/20/2019 16:04	WG1252689
2,2-Dichloropropane	U		0.0929	0.500	1	03/20/2019 16:04	WG1252689
Di-isopropyl ether	U		0.0924	0.500	1	03/20/2019 16:04	WG1252689
Ethylbenzene	U		0.158	0.500	1	03/20/2019 16:04	WG1252689
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/20/2019 16:04	WG1252689
2-Hexanone	U		0.757	5.00	1	03/20/2019 16:04	WG1252689
n-Hexane	U		0.305	5.00	1	03/20/2019 16:04	WG1252689
Iodomethane	U		0.377	10.0	1	03/20/2019 16:04	WG1252689
Isopropylbenzene	U		0.126	0.500	1	03/20/2019 16:04	WG1252689
p-Isopropyltoluene	U		0.138	0.500	1	03/20/2019 16:04	WG1252689
2-Butanone (MEK)	U		1.28	5.00	1	03/20/2019 16:04	WG1252689

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	03/20/2019 16:04	WG1252689
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	03/20/2019 16:04	WG1252689
Methyl tert-butyl ether	U		0.102	0.500	1	03/20/2019 16:04	WG1252689
Naphthalene	U		0.174	2.50	1	03/20/2019 16:04	WG1252689
n-Propylbenzene	U		0.162	0.500	1	03/20/2019 16:04	WG1252689
Styrene	U		0.117	0.500	1	03/20/2019 16:04	WG1252689
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/20/2019 16:04	WG1252689
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	03/20/2019 16:04	WG1252689
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	03/20/2019 16:04	WG1252689
Tetrachloroethene	4.45		0.199	0.500	1	03/21/2019 22:18	WG1253202
Toluene	U		0.412	0.500	1	03/20/2019 16:04	WG1252689
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/20/2019 16:04	WG1252689
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/20/2019 16:04	WG1252689
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/20/2019 16:04	WG1252689
1,1,2-Trichloroethane	U		0.186	0.500	1	03/20/2019 16:04	WG1252689
Trichloroethene	5.92		0.153	0.500	1	03/21/2019 22:18	WG1253202
Trichlorofluoromethane	U		0.130	2.50	1	03/20/2019 16:04	WG1252689
1,2,3-Trichloropropane	U		0.247	2.50	1	03/20/2019 16:04	WG1252689
1,2,4-Trimethylbenzene	U		0.123	0.500	1	03/20/2019 16:04	WG1252689
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	03/20/2019 16:04	WG1252689
1,3,5-Trimethylbenzene	U		0.124	0.500	1	03/20/2019 16:04	WG1252689
Vinyl acetate	U		0.645	5.00	1	03/20/2019 16:04	WG1252689
Vinyl chloride	10.8		0.118	0.500	1	03/20/2019 16:04	WG1252689
Xylenes, Total	U		0.316	1.50	1	03/20/2019 16:04	WG1252689
(S) Toluene-d8	*99.8*			*80.0-120*		*03/20/2019 16:04*	WG1252689
(S) Toluene-d8	*107*			*80.0-120*		*03/21/2019 22:18*	WG1253202
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*03/20/2019 16:04*	WG1252689
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*03/21/2019 22:18*	WG1253202
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*03/20/2019 16:04*	WG1252689
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*03/21/2019 22:18*	WG1253202

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	7540		31.6	100	1	03/18/2019 01:57	WG1250839
(S) a,a,a-Trifluorotoluene(FID)	*95.4*			*78.0-120*		*03/18/2019 01:57*	WG1250839

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	7.76	J	1.05	25.0	1	03/20/2019 16:24	WG1252689
Acrylonitrile	U		0.873	5.00	1	03/20/2019 16:24	WG1252689
Benzene	0.165	J	0.0896	0.500	1	03/20/2019 16:24	WG1252689
Bromobenzene	U		0.133	0.500	1	03/20/2019 16:24	WG1252689
Bromodichloromethane	U		0.0800	0.500	1	03/20/2019 16:24	WG1252689
Bromochloromethane	U		0.145	0.500	1	03/20/2019 16:24	WG1252689
Bromoform	U		0.186	0.500	1	03/20/2019 16:24	WG1252689
Bromomethane	U		0.157	2.50	1	03/20/2019 16:24	WG1252689
n-Butylbenzene	U		0.143	0.500	1	03/20/2019 16:24	WG1252689
sec-Butylbenzene	U		0.134	0.500	1	03/20/2019 16:24	WG1252689
tert-Butylbenzene	U		0.183	0.500	1	03/20/2019 16:24	WG1252689
Carbon disulfide	1.63		0.101	0.500	1	03/20/2019 16:24	WG1252689
Carbon tetrachloride	U		0.159	0.500	1	03/20/2019 16:24	WG1252689
Chlorobenzene	U		0.140	0.500	1	03/20/2019 16:24	WG1252689
Chlorodibromomethane	U		0.128	0.500	1	03/20/2019 16:24	WG1252689
Chloroethane	2.94		0.141	2.50	1	03/20/2019 16:24	WG1252689
Chloroform	0.210	J	0.0860	0.500	1	03/20/2019 16:24	WG1252689
Chloromethane	U		0.153	1.25	1	03/20/2019 16:24	WG1252689
2-Chlorotoluene	U		0.111	0.500	1	03/20/2019 16:24	WG1252689
4-Chlorotoluene	U		0.0972	0.500	1	03/20/2019 16:24	WG1252689
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	03/20/2019 16:24	WG1252689
1,2-Dibromoethane	U		0.193	0.500	1	03/20/2019 16:24	WG1252689
Dibromomethane	U		0.117	0.500	1	03/20/2019 16:24	WG1252689
1,2-Dichlorobenzene	U		0.101	0.500	1	03/20/2019 16:24	WG1252689
1,3-Dichlorobenzene	U		0.130	0.500	1	03/20/2019 16:24	WG1252689
1,4-Dichlorobenzene	U		0.121	0.500	1	03/20/2019 16:24	WG1252689
Dichlorodifluoromethane	U		0.127	2.50	1	03/20/2019 16:24	WG1252689
1,1-Dichloroethane	U		0.114	0.500	1	03/20/2019 16:24	WG1252689
1,2-Dichloroethane	U		0.108	0.500	1	03/20/2019 16:24	WG1252689
1,1-Dichloroethene	19.1		0.188	0.500	1	03/20/2019 16:24	WG1252689
cis-1,2-Dichloroethene	15000		23.3	125	250	03/21/2019 23:18	WG1253202
trans-1,2-Dichloroethene	50.5		0.152	0.500	1	03/20/2019 16:24	WG1252689
1,2-Dichloropropane	U		0.190	0.500	1	03/20/2019 16:24	WG1252689
1,1-Dichloropropene	U		0.128	0.500	1	03/20/2019 16:24	WG1252689
1,3-Dichloropropane	U		0.147	1.00	1	03/20/2019 16:24	WG1252689
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/20/2019 16:24	WG1252689
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/20/2019 16:24	WG1252689
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	03/20/2019 16:24	WG1252689
2,2-Dichloropropane	U		0.0929	0.500	1	03/20/2019 16:24	WG1252689
Di-isopropyl ether	U		0.0924	0.500	1	03/20/2019 16:24	WG1252689
Ethylbenzene	0.185	J	0.158	0.500	1	03/20/2019 16:24	WG1252689
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/20/2019 16:24	WG1252689
2-Hexanone	U		0.757	5.00	1	03/20/2019 16:24	WG1252689
n-Hexane	U		0.305	5.00	1	03/20/2019 16:24	WG1252689
Iodomethane	U		0.377	10.0	1	03/20/2019 16:24	WG1252689
Isopropylbenzene	U		0.126	0.500	1	03/20/2019 16:24	WG1252689
p-Isopropyltoluene	U		0.138	0.500	1	03/20/2019 16:24	WG1252689
2-Butanone (MEK)	12.8		1.28	5.00	1	03/20/2019 16:24	WG1252689

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	03/20/2019 16:24	WG1252689
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	03/20/2019 16:24	WG1252689
Methyl tert-butyl ether	U		0.102	0.500	1	03/20/2019 16:24	WG1252689
Naphthalene	U		0.174	2.50	1	03/20/2019 16:24	WG1252689
n-Propylbenzene	U		0.162	0.500	1	03/20/2019 16:24	WG1252689
Styrene	U		0.117	0.500	1	03/20/2019 16:24	WG1252689
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/20/2019 16:24	WG1252689
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	03/20/2019 16:24	WG1252689
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	03/20/2019 16:24	WG1252689
Tetrachloroethene	36.0		0.199	0.500	1	03/20/2019 16:24	WG1252689
Toluene	U		0.412	0.500	1	03/20/2019 16:24	WG1252689
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/20/2019 16:24	WG1252689
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/20/2019 16:24	WG1252689
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/20/2019 16:24	WG1252689
1,1,2-Trichloroethane	U		0.186	0.500	1	03/20/2019 16:24	WG1252689
Trichloroethene	262		38.2	125	250	03/21/2019 23:18	WG1253202
Trichlorofluoromethane	U		0.130	2.50	1	03/20/2019 16:24	WG1252689
1,2,3-Trichloropropane	U		0.247	2.50	1	03/20/2019 16:24	WG1252689
1,2,4-Trimethylbenzene	U		0.123	0.500	1	03/20/2019 16:24	WG1252689
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	03/20/2019 16:24	WG1252689
1,3,5-Trimethylbenzene	U		0.124	0.500	1	03/20/2019 16:24	WG1252689
Vinyl acetate	U		0.645	5.00	1	03/20/2019 16:24	WG1252689
Vinyl chloride	479		29.5	125	250	03/21/2019 23:18	WG1253202
Xylenes, Total	U		0.316	1.50	1	03/20/2019 16:24	WG1252689
(S) Toluene-d8	*99.0*			*80.0-120*		*03/20/2019 16:24*	WG1252689
(S) Toluene-d8	*105*			*80.0-120*		*03/21/2019 23:18*	WG1253202
(S) 4-Bromofluorobenzene	*99.2*			*77.0-126*		*03/20/2019 16:24*	WG1252689
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*03/21/2019 23:18*	WG1253202
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*03/20/2019 16:24*	WG1252689
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*03/21/2019 23:18*	WG1253202

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	32700		790	2500	25	03/19/2019 20:25	WG1251474
(S) a,a,a-Trifluorotoluene(FID)	*91.1*			*78.0-120*		*03/19/2019 20:25*	WG1251474

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	30.5		1.05	25.0	1	03/20/2019 16:44	WG1252689
Acrylonitrile	U		0.873	5.00	1	03/20/2019 16:44	WG1252689
Benzene	0.496	J	0.0896	0.500	1	03/20/2019 16:44	WG1252689
Bromobenzene	U		0.133	0.500	1	03/20/2019 16:44	WG1252689
Bromodichloromethane	U		0.0800	0.500	1	03/20/2019 16:44	WG1252689
Bromochloromethane	U		0.145	0.500	1	03/20/2019 16:44	WG1252689
Bromoform	U		0.186	0.500	1	03/20/2019 16:44	WG1252689
Bromomethane	U		0.157	2.50	1	03/20/2019 16:44	WG1252689
n-Butylbenzene	U		0.143	0.500	1	03/20/2019 16:44	WG1252689
sec-Butylbenzene	U		0.134	0.500	1	03/20/2019 16:44	WG1252689
tert-Butylbenzene	U		0.183	0.500	1	03/20/2019 16:44	WG1252689
Carbon disulfide	0.707		0.101	0.500	1	03/20/2019 16:44	WG1252689
Carbon tetrachloride	U		0.159	0.500	1	03/20/2019 16:44	WG1252689
Chlorobenzene	U		0.140	0.500	1	03/20/2019 16:44	WG1252689
Chlorodibromomethane	U		0.128	0.500	1	03/20/2019 16:44	WG1252689
Chloroethane	2.69		0.141	2.50	1	03/20/2019 16:44	WG1252689
Chloroform	U		0.0860	0.500	1	03/20/2019 16:44	WG1252689
Chloromethane	U		0.153	1.25	1	03/20/2019 16:44	WG1252689
2-Chlorotoluene	U		0.111	0.500	1	03/20/2019 16:44	WG1252689
4-Chlorotoluene	U		0.0972	0.500	1	03/20/2019 16:44	WG1252689
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	03/20/2019 16:44	WG1252689
1,2-Dibromoethane	U		0.193	0.500	1	03/20/2019 16:44	WG1252689
Dibromomethane	U		0.117	0.500	1	03/20/2019 16:44	WG1252689
1,2-Dichlorobenzene	U		0.101	0.500	1	03/20/2019 16:44	WG1252689
1,3-Dichlorobenzene	U		0.130	0.500	1	03/20/2019 16:44	WG1252689
1,4-Dichlorobenzene	U		0.121	0.500	1	03/20/2019 16:44	WG1252689
Dichlorodifluoromethane	U		0.127	2.50	1	03/20/2019 16:44	WG1252689
1,1-Dichloroethane	0.347	J	0.114	0.500	1	03/20/2019 16:44	WG1252689
1,2-Dichloroethane	U		0.108	0.500	1	03/20/2019 16:44	WG1252689
1,1-Dichloroethene	173		0.188	0.500	1	03/20/2019 16:44	WG1252689
cis-1,2-Dichloroethene	37200		93.3	500	1000	03/21/2019 23:38	WG1253202
trans-1,2-Dichloroethene	74.3		0.152	0.500	1	03/20/2019 16:44	WG1252689
1,2-Dichloropropane	U		0.190	0.500	1	03/20/2019 16:44	WG1252689
1,1-Dichloropropene	U		0.128	0.500	1	03/20/2019 16:44	WG1252689
1,3-Dichloropropane	U		0.147	1.00	1	03/20/2019 16:44	WG1252689
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/20/2019 16:44	WG1252689
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/20/2019 16:44	WG1252689
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	03/20/2019 16:44	WG1252689
2,2-Dichloropropane	U		0.0929	0.500	1	03/20/2019 16:44	WG1252689
Di-isopropyl ether	U		0.0924	0.500	1	03/20/2019 16:44	WG1252689
Ethylbenzene	0.329	J	0.158	0.500	1	03/20/2019 16:44	WG1252689
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/20/2019 16:44	WG1252689
2-Hexanone	U		0.757	5.00	1	03/20/2019 16:44	WG1252689
n-Hexane	U		0.305	5.00	1	03/20/2019 16:44	WG1252689
Iodomethane	U		0.377	10.0	1	03/20/2019 16:44	WG1252689
Isopropylbenzene	U		0.126	0.500	1	03/20/2019 16:44	WG1252689
p-Isopropyltoluene	U		0.138	0.500	1	03/20/2019 16:44	WG1252689
2-Butanone (MEK)	6.73		1.28	5.00	1	03/20/2019 16:44	WG1252689

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	03/20/2019 16:44	WG1252689
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	03/20/2019 16:44	WG1252689
Methyl tert-butyl ether	U		0.102	0.500	1	03/20/2019 16:44	WG1252689
Naphthalene	0.327	J	0.174	2.50	1	03/20/2019 16:44	WG1252689
n-Propylbenzene	0.322	J	0.162	0.500	1	03/20/2019 16:44	WG1252689
Styrene	U		0.117	0.500	1	03/20/2019 16:44	WG1252689
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/20/2019 16:44	WG1252689
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	03/20/2019 16:44	WG1252689
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	03/20/2019 16:44	WG1252689
Tetrachloroethene	57300		199	500	1000	03/21/2019 23:38	WG1253202
Toluene	2.43		0.412	0.500	1	03/20/2019 16:44	WG1252689
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/20/2019 16:44	WG1252689
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/20/2019 16:44	WG1252689
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/20/2019 16:44	WG1252689
1,1,2-Trichloroethane	U		0.186	0.500	1	03/20/2019 16:44	WG1252689
Trichloroethene	8150		153	500	1000	03/21/2019 23:38	WG1253202
Trichlorofluoromethane	U		0.130	2.50	1	03/20/2019 16:44	WG1252689
1,2,3-Trichloropropane	U		0.247	2.50	1	03/20/2019 16:44	WG1252689
1,2,4-Trimethylbenzene	2.09		0.123	0.500	1	03/20/2019 16:44	WG1252689
1,2,3-Trimethylbenzene	1.07		0.0739	0.500	1	03/20/2019 16:44	WG1252689
1,3,5-Trimethylbenzene	0.655		0.124	0.500	1	03/20/2019 16:44	WG1252689
Vinyl acetate	U		0.645	5.00	1	03/20/2019 16:44	WG1252689
Vinyl chloride	706		118	500	1000	03/21/2019 23:38	WG1253202
Xylenes, Total	1.90		0.316	1.50	1	03/20/2019 16:44	WG1252689
(S) Toluene-d8	*102*			*80.0-120*		*03/20/2019 16:44*	WG1252689
(S) Toluene-d8	*105*			*80.0-120*		*03/21/2019 23:38*	WG1253202
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*03/20/2019 16:44*	WG1252689
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*03/21/2019 23:38*	WG1253202
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*03/20/2019 16:44*	WG1252689
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*03/21/2019 23:38*	WG1253202

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	15300		316	1000	10	03/19/2019 20:01	WG1251474
(S) a,a,a-Trifluorotoluene(FID)	*90.6*			*78.0-120*		*03/19/2019 20:01*	WG1251474

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	17.2	J	1.05	25.0	1	03/20/2019 17:03	WG1252689
Acrylonitrile	U		0.873	5.00	1	03/20/2019 17:03	WG1252689
Benzene	0.222	J	0.0896	0.500	1	03/20/2019 17:03	WG1252689
Bromobenzene	U		0.133	0.500	1	03/20/2019 17:03	WG1252689
Bromodichloromethane	U		0.0800	0.500	1	03/20/2019 17:03	WG1252689
Bromochloromethane	U		0.145	0.500	1	03/20/2019 17:03	WG1252689
Bromoform	U		0.186	0.500	1	03/20/2019 17:03	WG1252689
Bromomethane	U		0.157	2.50	1	03/20/2019 17:03	WG1252689
n-Butylbenzene	U		0.143	0.500	1	03/20/2019 17:03	WG1252689
sec-Butylbenzene	U		0.134	0.500	1	03/20/2019 17:03	WG1252689
tert-Butylbenzene	U		0.183	0.500	1	03/20/2019 17:03	WG1252689
Carbon disulfide	1.38		0.101	0.500	1	03/20/2019 17:03	WG1252689
Carbon tetrachloride	U		0.159	0.500	1	03/20/2019 17:03	WG1252689
Chlorobenzene	U		0.140	0.500	1	03/20/2019 17:03	WG1252689
Chlorodibromomethane	U		0.128	0.500	1	03/20/2019 17:03	WG1252689
Chloroethane	14.1		0.141	2.50	1	03/20/2019 17:03	WG1252689
Chloroform	0.270	J	0.0860	0.500	1	03/20/2019 17:03	WG1252689
Chloromethane	U		0.153	1.25	1	03/20/2019 17:03	WG1252689
2-Chlorotoluene	U		0.111	0.500	1	03/20/2019 17:03	WG1252689
4-Chlorotoluene	U		0.0972	0.500	1	03/20/2019 17:03	WG1252689
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	03/20/2019 17:03	WG1252689
1,2-Dibromoethane	U		0.193	0.500	1	03/20/2019 17:03	WG1252689
Dibromomethane	U		0.117	0.500	1	03/20/2019 17:03	WG1252689
1,2-Dichlorobenzene	U		0.101	0.500	1	03/20/2019 17:03	WG1252689
1,3-Dichlorobenzene	U		0.130	0.500	1	03/20/2019 17:03	WG1252689
1,4-Dichlorobenzene	U		0.121	0.500	1	03/20/2019 17:03	WG1252689
Dichlorodifluoromethane	U		0.127	2.50	1	03/20/2019 17:03	WG1252689
1,1-Dichloroethane	U		0.114	0.500	1	03/20/2019 17:03	WG1252689
1,2-Dichloroethane	U		0.108	0.500	1	03/20/2019 17:03	WG1252689
1,1-Dichloroethene	34.0		0.188	0.500	1	03/20/2019 17:03	WG1252689
cis-1,2-Dichloroethene	30800		46.6	250	500	03/21/2019 23:58	WG1253202
trans-1,2-Dichloroethene	129		0.152	0.500	1	03/20/2019 17:03	WG1252689
1,2-Dichloropropane	U		0.190	0.500	1	03/20/2019 17:03	WG1252689
1,1-Dichloropropene	U		0.128	0.500	1	03/20/2019 17:03	WG1252689
1,3-Dichloropropane	U		0.147	1.00	1	03/20/2019 17:03	WG1252689
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/20/2019 17:03	WG1252689
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/20/2019 17:03	WG1252689
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	03/20/2019 17:03	WG1252689
2,2-Dichloropropane	U		0.0929	0.500	1	03/20/2019 17:03	WG1252689
Di-isopropyl ether	U		0.0924	0.500	1	03/20/2019 17:03	WG1252689
Ethylbenzene	0.843		0.158	0.500	1	03/20/2019 17:03	WG1252689
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/20/2019 17:03	WG1252689
2-Hexanone	U		0.757	5.00	1	03/20/2019 17:03	WG1252689
n-Hexane	U		0.305	5.00	1	03/20/2019 17:03	WG1252689
Iodomethane	U		0.377	10.0	1	03/20/2019 17:03	WG1252689
Isopropylbenzene	U		0.126	0.500	1	03/20/2019 17:03	WG1252689
p-Isopropyltoluene	U		0.138	0.500	1	03/20/2019 17:03	WG1252689
2-Butanone (MEK)	44.9		1.28	5.00	1	03/20/2019 17:03	WG1252689

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	03/20/2019 17:03	WG1252689
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	03/20/2019 17:03	WG1252689
Methyl tert-butyl ether	U		0.102	0.500	1	03/20/2019 17:03	WG1252689
Naphthalene	U		0.174	2.50	1	03/20/2019 17:03	WG1252689
n-Propylbenzene	U		0.162	0.500	1	03/20/2019 17:03	WG1252689
Styrene	U		0.117	0.500	1	03/20/2019 17:03	WG1252689
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/20/2019 17:03	WG1252689
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	03/20/2019 17:03	WG1252689
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	03/20/2019 17:03	WG1252689
Tetrachloroethene	2630		99.5	250	500	03/21/2019 23:58	WG1253202
Toluene	0.862		0.412	0.500	1	03/20/2019 17:03	WG1252689
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/20/2019 17:03	WG1252689
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/20/2019 17:03	WG1252689
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/20/2019 17:03	WG1252689
1,1,2-Trichloroethane	U		0.186	0.500	1	03/20/2019 17:03	WG1252689
Trichloroethene	2770		76.5	250	500	03/21/2019 23:58	WG1253202
Trichlorofluoromethane	U		0.130	2.50	1	03/20/2019 17:03	WG1252689
1,2,3-Trichloropropane	U		0.247	2.50	1	03/20/2019 17:03	WG1252689
1,2,4-Trimethylbenzene	0.524		0.123	0.500	1	03/20/2019 17:03	WG1252689
1,2,3-Trimethylbenzene	0.338	J	0.0739	0.500	1	03/20/2019 17:03	WG1252689
1,3,5-Trimethylbenzene	0.159	J	0.124	0.500	1	03/20/2019 17:03	WG1252689
Vinyl acetate	U		0.645	5.00	1	03/20/2019 17:03	WG1252689
Vinyl chloride	285		59.0	250	500	03/21/2019 23:58	WG1253202
Xylenes, Total	0.490	J	0.316	1.50	1	03/20/2019 17:03	WG1252689
(S) Toluene-d8	*101*			*80.0-120*		*03/20/2019 17:03*	WG1252689
(S) Toluene-d8	*104*			*80.0-120*		*03/21/2019 23:58*	WG1253202
(S) 4-Bromofluorobenzene	*99.1*			*77.0-126*		*03/20/2019 17:03*	WG1252689
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*03/21/2019 23:58*	WG1253202
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*03/20/2019 17:03*	WG1252689
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*03/21/2019 23:58*	WG1253202

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	124	B	31.6	100	1	03/19/2019 19:14	WG1251474
(S) a,a,a-Trifluorotoluene(FID)	*90.7*			*78.0-120*		*03/19/2019 19:14*	WG1251474

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	9.26	J	1.05	25.0	1	03/20/2019 17:23	WG1252689
Acrylonitrile	U		0.873	5.00	1	03/20/2019 17:23	WG1252689
Benzene	U		0.0896	0.500	1	03/20/2019 17:23	WG1252689
Bromobenzene	U		0.133	0.500	1	03/20/2019 17:23	WG1252689
Bromodichloromethane	U		0.0800	0.500	1	03/20/2019 17:23	WG1252689
Bromochloromethane	U		0.145	0.500	1	03/20/2019 17:23	WG1252689
Bromoform	U		0.186	0.500	1	03/20/2019 17:23	WG1252689
Bromomethane	U		0.157	2.50	1	03/20/2019 17:23	WG1252689
n-Butylbenzene	U		0.143	0.500	1	03/20/2019 17:23	WG1252689
sec-Butylbenzene	U		0.134	0.500	1	03/20/2019 17:23	WG1252689
tert-Butylbenzene	U		0.183	0.500	1	03/20/2019 17:23	WG1252689
Carbon disulfide	0.232	J	0.101	0.500	1	03/20/2019 17:23	WG1252689
Carbon tetrachloride	U		0.159	0.500	1	03/20/2019 17:23	WG1252689
Chlorobenzene	U		0.140	0.500	1	03/20/2019 17:23	WG1252689
Chlorodibromomethane	U		0.128	0.500	1	03/20/2019 17:23	WG1252689
Chloroethane	U		0.141	2.50	1	03/20/2019 17:23	WG1252689
Chloroform	U		0.0860	0.500	1	03/20/2019 17:23	WG1252689
Chloromethane	U		0.153	1.25	1	03/20/2019 17:23	WG1252689
2-Chlorotoluene	U		0.111	0.500	1	03/20/2019 17:23	WG1252689
4-Chlorotoluene	U		0.0972	0.500	1	03/20/2019 17:23	WG1252689
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	03/20/2019 17:23	WG1252689
1,2-Dibromoethane	U		0.193	0.500	1	03/20/2019 17:23	WG1252689
Dibromomethane	U		0.117	0.500	1	03/20/2019 17:23	WG1252689
1,2-Dichlorobenzene	U		0.101	0.500	1	03/20/2019 17:23	WG1252689
1,3-Dichlorobenzene	U		0.130	0.500	1	03/20/2019 17:23	WG1252689
1,4-Dichlorobenzene	U		0.121	0.500	1	03/20/2019 17:23	WG1252689
Dichlorodifluoromethane	U		0.127	2.50	1	03/20/2019 17:23	WG1252689
1,1-Dichloroethane	U		0.114	0.500	1	03/20/2019 17:23	WG1252689
1,2-Dichloroethane	U		0.108	0.500	1	03/20/2019 17:23	WG1252689
1,1-Dichloroethene	4.72		0.188	0.500	1	03/20/2019 17:23	WG1252689
cis-1,2-Dichloroethene	83.0		0.0933	0.500	1	03/22/2019 00:17	WG1253202
trans-1,2-Dichloroethene	1.93		0.152	0.500	1	03/20/2019 17:23	WG1252689
1,2-Dichloropropane	U		0.190	0.500	1	03/20/2019 17:23	WG1252689
1,1-Dichloropropene	U		0.128	0.500	1	03/20/2019 17:23	WG1252689
1,3-Dichloropropane	U		0.147	1.00	1	03/20/2019 17:23	WG1252689
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/20/2019 17:23	WG1252689
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/20/2019 17:23	WG1252689
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	03/20/2019 17:23	WG1252689
2,2-Dichloropropane	U		0.0929	0.500	1	03/20/2019 17:23	WG1252689
Di-isopropyl ether	U		0.0924	0.500	1	03/20/2019 17:23	WG1252689
Ethylbenzene	U		0.158	0.500	1	03/20/2019 17:23	WG1252689
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/20/2019 17:23	WG1252689
2-Hexanone	U		0.757	5.00	1	03/20/2019 17:23	WG1252689
n-Hexane	U		0.305	5.00	1	03/20/2019 17:23	WG1252689
Iodomethane	U		0.377	10.0	1	03/20/2019 17:23	WG1252689
Isopropylbenzene	U		0.126	0.500	1	03/20/2019 17:23	WG1252689
p-Isopropyltoluene	U		0.138	0.500	1	03/20/2019 17:23	WG1252689
2-Butanone (MEK)	2.04	J	1.28	5.00	1	03/20/2019 17:23	WG1252689

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	03/20/2019 17:23	WG1252689
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	03/20/2019 17:23	WG1252689
Methyl tert-butyl ether	U		0.102	0.500	1	03/20/2019 17:23	WG1252689
Naphthalene	U		0.174	2.50	1	03/20/2019 17:23	WG1252689
n-Propylbenzene	U		0.162	0.500	1	03/20/2019 17:23	WG1252689
Styrene	U		0.117	0.500	1	03/20/2019 17:23	WG1252689
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/20/2019 17:23	WG1252689
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	03/20/2019 17:23	WG1252689
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	03/20/2019 17:23	WG1252689
Tetrachloroethene	31.6		0.199	0.500	1	03/22/2019 00:17	WG1253202
Toluene	0.455	J	0.412	0.500	1	03/20/2019 17:23	WG1252689
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/20/2019 17:23	WG1252689
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/20/2019 17:23	WG1252689
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/20/2019 17:23	WG1252689
1,1,2-Trichloroethane	U		0.186	0.500	1	03/20/2019 17:23	WG1252689
Trichloroethene	75.7		0.153	0.500	1	03/22/2019 00:17	WG1253202
Trichlorofluoromethane	U		0.130	2.50	1	03/20/2019 17:23	WG1252689
1,2,3-Trichloropropane	U		0.247	2.50	1	03/20/2019 17:23	WG1252689
1,2,4-Trimethylbenzene	U		0.123	0.500	1	03/20/2019 17:23	WG1252689
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	03/20/2019 17:23	WG1252689
1,3,5-Trimethylbenzene	U		0.124	0.500	1	03/20/2019 17:23	WG1252689
Vinyl acetate	U		0.645	5.00	1	03/20/2019 17:23	WG1252689
Vinyl chloride	25.9		0.118	0.500	1	03/22/2019 00:17	WG1253202
Xylenes, Total	U		0.316	1.50	1	03/20/2019 17:23	WG1252689
(S) Toluene-d8	*99.6*			*80.0-120*		*03/20/2019 17:23*	WG1252689
(S) Toluene-d8	*104*			*80.0-120*		*03/22/2019 00:17*	WG1253202
(S) 4-Bromofluorobenzene	*99.5*			*77.0-126*		*03/20/2019 17:23*	WG1252689
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*03/22/2019 00:17*	WG1253202
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*03/20/2019 17:23*	WG1252689
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*03/22/2019 00:17*	WG1253202

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	03/19/2019 19:38	WG1251474
(S) a,a,a-Trifluorotoluene(FID)	*90.4*			*78.0-120*		*03/19/2019 19:38*	WG1251474

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	03/20/2019 17:42	WG1252689
Acrylonitrile	U		0.873	5.00	1	03/20/2019 17:42	WG1252689
Benzene	U		0.0896	0.500	1	03/20/2019 17:42	WG1252689
Bromobenzene	U		0.133	0.500	1	03/20/2019 17:42	WG1252689
Bromodichloromethane	U		0.0800	0.500	1	03/20/2019 17:42	WG1252689
Bromochloromethane	U		0.145	0.500	1	03/20/2019 17:42	WG1252689
Bromoform	U		0.186	0.500	1	03/20/2019 17:42	WG1252689
Bromomethane	U		0.157	2.50	1	03/20/2019 17:42	WG1252689
n-Butylbenzene	U		0.143	0.500	1	03/20/2019 17:42	WG1252689
sec-Butylbenzene	U		0.134	0.500	1	03/20/2019 17:42	WG1252689
tert-Butylbenzene	U		0.183	0.500	1	03/20/2019 17:42	WG1252689
Carbon disulfide	0.286	J	0.101	0.500	1	03/20/2019 17:42	WG1252689
Carbon tetrachloride	U		0.159	0.500	1	03/20/2019 17:42	WG1252689
Chlorobenzene	U		0.140	0.500	1	03/20/2019 17:42	WG1252689
Chlorodibromomethane	U		0.128	0.500	1	03/20/2019 17:42	WG1252689
Chloroethane	U		0.141	2.50	1	03/20/2019 17:42	WG1252689
Chloroform	U		0.0860	0.500	1	03/20/2019 17:42	WG1252689
Chloromethane	U		0.153	1.25	1	03/20/2019 17:42	WG1252689
2-Chlorotoluene	U		0.111	0.500	1	03/20/2019 17:42	WG1252689
4-Chlorotoluene	U		0.0972	0.500	1	03/20/2019 17:42	WG1252689
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	03/20/2019 17:42	WG1252689
1,2-Dibromoethane	U		0.193	0.500	1	03/20/2019 17:42	WG1252689
Dibromomethane	U		0.117	0.500	1	03/20/2019 17:42	WG1252689
1,2-Dichlorobenzene	U		0.101	0.500	1	03/20/2019 17:42	WG1252689
1,3-Dichlorobenzene	U		0.130	0.500	1	03/20/2019 17:42	WG1252689
1,4-Dichlorobenzene	U		0.121	0.500	1	03/20/2019 17:42	WG1252689
Dichlorodifluoromethane	U		0.127	2.50	1	03/20/2019 17:42	WG1252689
1,1-Dichloroethane	U		0.114	0.500	1	03/20/2019 17:42	WG1252689
1,2-Dichloroethane	U		0.108	0.500	1	03/20/2019 17:42	WG1252689
1,1-Dichloroethene	U		0.188	0.500	1	03/20/2019 17:42	WG1252689
cis-1,2-Dichloroethene	0.262	J	0.0933	0.500	1	03/22/2019 00:37	WG1253202
trans-1,2-Dichloroethene	U		0.152	0.500	1	03/20/2019 17:42	WG1252689
1,2-Dichloropropane	U		0.190	0.500	1	03/20/2019 17:42	WG1252689
1,1-Dichloropropene	U		0.128	0.500	1	03/20/2019 17:42	WG1252689
1,3-Dichloropropane	U		0.147	1.00	1	03/20/2019 17:42	WG1252689
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/20/2019 17:42	WG1252689
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/20/2019 17:42	WG1252689
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	03/20/2019 17:42	WG1252689
2,2-Dichloropropane	U		0.0929	0.500	1	03/20/2019 17:42	WG1252689
Di-isopropyl ether	U		0.0924	0.500	1	03/20/2019 17:42	WG1252689
Ethylbenzene	U		0.158	0.500	1	03/20/2019 17:42	WG1252689
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/20/2019 17:42	WG1252689
2-Hexanone	U		0.757	5.00	1	03/20/2019 17:42	WG1252689
n-Hexane	U		0.305	5.00	1	03/20/2019 17:42	WG1252689
Iodomethane	U		0.377	10.0	1	03/20/2019 17:42	WG1252689
Isopropylbenzene	U		0.126	0.500	1	03/20/2019 17:42	WG1252689
p-Isopropyltoluene	U		0.138	0.500	1	03/20/2019 17:42	WG1252689
2-Butanone (MEK)	U		1.28	5.00	1	03/20/2019 17:42	WG1252689

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	03/20/2019 17:42	WG1252689
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	03/20/2019 17:42	WG1252689
Methyl tert-butyl ether	U		0.102	0.500	1	03/20/2019 17:42	WG1252689
Naphthalene	U		0.174	2.50	1	03/20/2019 17:42	WG1252689
n-Propylbenzene	U		0.162	0.500	1	03/20/2019 17:42	WG1252689
Styrene	U		0.117	0.500	1	03/20/2019 17:42	WG1252689
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/20/2019 17:42	WG1252689
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	03/20/2019 17:42	WG1252689
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	03/20/2019 17:42	WG1252689
Tetrachloroethene	1.49		0.199	0.500	1	03/22/2019 00:37	WG1253202
Toluene	U		0.412	0.500	1	03/20/2019 17:42	WG1252689
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/20/2019 17:42	WG1252689
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/20/2019 17:42	WG1252689
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/20/2019 17:42	WG1252689
1,1,2-Trichloroethane	U		0.186	0.500	1	03/20/2019 17:42	WG1252689
Trichloroethene	0.167	J	0.153	0.500	1	03/22/2019 00:37	WG1253202
Trichlorofluoromethane	U		0.130	2.50	1	03/20/2019 17:42	WG1252689
1,2,3-Trichloropropane	U		0.247	2.50	1	03/20/2019 17:42	WG1252689
1,2,4-Trimethylbenzene	U		0.123	0.500	1	03/20/2019 17:42	WG1252689
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	03/20/2019 17:42	WG1252689
1,3,5-Trimethylbenzene	U		0.124	0.500	1	03/20/2019 17:42	WG1252689
Vinyl acetate	U		0.645	5.00	1	03/20/2019 17:42	WG1252689
Vinyl chloride	U		0.118	0.500	1	03/20/2019 17:42	WG1252689
Xylenes, Total	U		0.316	1.50	1	03/20/2019 17:42	WG1252689
(S) Toluene-d8	*101*			*80.0-120*		*03/20/2019 17:42*	WG1252689
(S) Toluene-d8	*105*			*80.0-120*		*03/22/2019 00:37*	WG1253202
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*03/20/2019 17:42*	WG1252689
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*03/22/2019 00:37*	WG1253202
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*03/20/2019 17:42*	WG1252689
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*03/22/2019 00:37*	WG1253202

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	50.4	B J	31.6	100	1	03/17/2019 21:13	WG1250839
(S) a,a,a-Trifluorotoluene(FID)	*93.8*			*78.0-120*		*03/17/2019 21:13*	WG1250839

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	03/20/2019 13:45	WG1252689
Acrylonitrile	U		0.873	5.00	1	03/20/2019 13:45	WG1252689
Benzene	U		0.0896	0.500	1	03/20/2019 13:45	WG1252689
Bromobenzene	U		0.133	0.500	1	03/20/2019 13:45	WG1252689
Bromodichloromethane	U		0.0800	0.500	1	03/20/2019 13:45	WG1252689
Bromochloromethane	U		0.145	0.500	1	03/20/2019 13:45	WG1252689
Bromoform	U		0.186	0.500	1	03/20/2019 13:45	WG1252689
Bromomethane	U		0.157	2.50	1	03/20/2019 13:45	WG1252689
n-Butylbenzene	U		0.143	0.500	1	03/20/2019 13:45	WG1252689
sec-Butylbenzene	U		0.134	0.500	1	03/20/2019 13:45	WG1252689
tert-Butylbenzene	U		0.183	0.500	1	03/20/2019 13:45	WG1252689
Carbon disulfide	U		0.101	0.500	1	03/20/2019 13:45	WG1252689
Carbon tetrachloride	U		0.159	0.500	1	03/20/2019 13:45	WG1252689
Chlorobenzene	U		0.140	0.500	1	03/20/2019 13:45	WG1252689
Chlorodibromomethane	U		0.128	0.500	1	03/20/2019 13:45	WG1252689
Chloroethane	U		0.141	2.50	1	03/20/2019 13:45	WG1252689
Chloroform	U		0.0860	0.500	1	03/20/2019 13:45	WG1252689
Chloromethane	U		0.153	1.25	1	03/20/2019 13:45	WG1252689
2-Chlorotoluene	U		0.111	0.500	1	03/20/2019 13:45	WG1252689
4-Chlorotoluene	U		0.0972	0.500	1	03/20/2019 13:45	WG1252689
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	03/20/2019 13:45	WG1252689
1,2-Dibromoethane	U		0.193	0.500	1	03/20/2019 13:45	WG1252689
Dibromomethane	U		0.117	0.500	1	03/20/2019 13:45	WG1252689
1,2-Dichlorobenzene	U		0.101	0.500	1	03/20/2019 13:45	WG1252689
1,3-Dichlorobenzene	U		0.130	0.500	1	03/20/2019 13:45	WG1252689
1,4-Dichlorobenzene	U		0.121	0.500	1	03/20/2019 13:45	WG1252689
Dichlorodifluoromethane	U		0.127	2.50	1	03/20/2019 13:45	WG1252689
1,1-Dichloroethane	U		0.114	0.500	1	03/20/2019 13:45	WG1252689
1,2-Dichloroethane	U		0.108	0.500	1	03/20/2019 13:45	WG1252689
1,1-Dichloroethene	U		0.188	0.500	1	03/20/2019 13:45	WG1252689
cis-1,2-Dichloroethene	U		0.0933	0.500	1	03/20/2019 13:45	WG1252689
trans-1,2-Dichloroethene	U		0.152	0.500	1	03/20/2019 13:45	WG1252689
1,2-Dichloropropane	U		0.190	0.500	1	03/20/2019 13:45	WG1252689
1,1-Dichloropropene	U		0.128	0.500	1	03/20/2019 13:45	WG1252689
1,3-Dichloropropane	U		0.147	1.00	1	03/20/2019 13:45	WG1252689
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/20/2019 13:45	WG1252689
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/20/2019 13:45	WG1252689
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	03/20/2019 13:45	WG1252689
2,2-Dichloropropane	U		0.0929	0.500	1	03/20/2019 13:45	WG1252689
Di-isopropyl ether	U		0.0924	0.500	1	03/20/2019 13:45	WG1252689
Ethylbenzene	U		0.158	0.500	1	03/20/2019 13:45	WG1252689
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/20/2019 13:45	WG1252689
2-Hexanone	U		0.757	5.00	1	03/20/2019 13:45	WG1252689
n-Hexane	U		0.305	5.00	1	03/20/2019 13:45	WG1252689
Iodomethane	U		0.377	10.0	1	03/20/2019 13:45	WG1252689
Isopropylbenzene	U		0.126	0.500	1	03/20/2019 13:45	WG1252689
p-Isopropyltoluene	U		0.138	0.500	1	03/20/2019 13:45	WG1252689
2-Butanone (MEK)	U		1.28	5.00	1	03/20/2019 13:45	WG1252689

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	03/20/2019 13:45	WG1252689
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	03/20/2019 13:45	WG1252689
Methyl tert-butyl ether	U		0.102	0.500	1	03/20/2019 13:45	WG1252689
Naphthalene	U		0.174	2.50	1	03/20/2019 13:45	WG1252689
n-Propylbenzene	U		0.162	0.500	1	03/20/2019 13:45	WG1252689
Styrene	U		0.117	0.500	1	03/20/2019 13:45	WG1252689
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/20/2019 13:45	WG1252689
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	03/20/2019 13:45	WG1252689
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	03/20/2019 13:45	WG1252689
Tetrachloroethene	U		0.199	0.500	1	03/20/2019 13:45	WG1252689
Toluene	U		0.412	0.500	1	03/20/2019 13:45	WG1252689
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/20/2019 13:45	WG1252689
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/20/2019 13:45	WG1252689
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/20/2019 13:45	WG1252689
1,1,2-Trichloroethane	U		0.186	0.500	1	03/20/2019 13:45	WG1252689
Trichloroethene	U		0.153	0.500	1	03/20/2019 13:45	WG1252689
Trichlorofluoromethane	U		0.130	2.50	1	03/20/2019 13:45	WG1252689
1,2,3-Trichloropropane	U		0.247	2.50	1	03/20/2019 13:45	WG1252689
1,2,4-Trimethylbenzene	U		0.123	0.500	1	03/20/2019 13:45	WG1252689
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	03/20/2019 13:45	WG1252689
1,3,5-Trimethylbenzene	U		0.124	0.500	1	03/20/2019 13:45	WG1252689
Vinyl acetate	U		0.645	5.00	1	03/20/2019 13:45	WG1252689
Vinyl chloride	U		0.118	0.500	1	03/20/2019 13:45	WG1252689
Xylenes, Total	U		0.316	1.50	1	03/20/2019 13:45	WG1252689
(S) Toluene-d8	*103*			*80.0-120*		*03/20/2019 13:45*	WG1252689
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*03/20/2019 13:45*	WG1252689
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*03/20/2019 13:45*	WG1252689

Method Blank (MB)

(MB) R3392535-3 03/17/19 18:27

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	59.7	J	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*93.3*			*78.0-120*

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

(LCS) R3392535-1 03/17/19 17:16 • (LCSD) R3392535-2 03/17/19 17:40

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	5130	5380	93.3	97.9	70.0-124			4.81	20
(S) a,a,a-Trifluorotoluene(FID)				*97.9*	*98.1*	*78.0-120*				

Method Blank (MB)

(MB) R3393343-2 03/19/19 13:05

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	48.9	J	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*89.5*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3393343-1 03/19/19 12:18

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	4980	90.6	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*94.5*	*78.0-120*	

Method Blank (MB)

(MB) R3393640-4 03/20/19 12:46

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
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
2-Chlorotoluene	U		0.111	0.500
1,2-Dibromoethane	U		0.193	0.500
4-Chlorotoluene	U		0.0972	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) R3393640-4 03/20/19 12:46

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.158	0.500
2-Hexanone	U		0.757	5.00
Hexachloro-1,3-butadiene	U		0.157	1.00
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
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,1,2-Trichlorotrifluoroethane	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	*103*			*80.0-120*
(S) 4-Bromofluorobenzene	*105*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*

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

(LCS) R3393640-1 03/20/19 11:27 • (LCSD) R3393640-2 03/20/19 11:47

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	128	125	102	99.7	19.0-160			2.51	27
Acrylonitrile	125	124	122	98.9	97.2	55.0-149			1.69	20
Benzene	25.0	24.0	23.3	95.9	93.4	70.0-123			2.69	20
Bromobenzene	25.0	21.1	21.1	84.3	84.4	73.0-121			0.125	20
Bromodichloromethane	25.0	23.8	23.7	95.1	94.6	75.0-120			0.531	20
Bromochloromethane	25.0	26.1	25.6	105	102	76.0-122			2.15	20
Bromoform	25.0	26.5	25.4	106	102	68.0-132			4.12	20
Bromomethane	25.0	24.3	23.1	97.2	92.4	10.0-160			5.09	25
n-Butylbenzene	25.0	23.4	23.1	93.6	92.5	73.0-125			1.18	20
sec-Butylbenzene	25.0	22.3	22.1	89.0	88.5	75.0-125			0.575	20
tert-Butylbenzene	25.0	23.7	23.2	95.0	92.7	76.0-124			2.46	20
Carbon disulfide	25.0	23.2	22.8	92.9	91.1	61.0-128			1.92	20
Carbon tetrachloride	25.0	26.9	26.2	108	105	68.0-126			2.99	20
Chlorobenzene	25.0	26.0	25.1	104	100	80.0-121			3.65	20
Chlorodibromomethane	25.0	26.0	24.9	104	99.8	77.0-125			4.01	20
Chloroethane	25.0	20.2	19.2	80.9	76.7	47.0-150			5.39	20
Chloroform	25.0	24.3	24.0	97.3	95.9	73.0-120			1.49	20
Chloromethane	25.0	25.5	23.7	102	94.7	41.0-142			7.40	20
1,2-Dibromo-3-Chloropropane	25.0	23.5	22.8	94.2	91.0	58.0-134			3.39	20
1,2-Dibromoethane	25.0	25.4	24.8	102	99.2	80.0-122			2.47	20
Dibromomethane	25.0	24.6	24.7	98.6	98.8	80.0-120			0.241	20
1,2-Dichlorobenzene	25.0	23.7	24.1	94.9	96.2	79.0-121			1.45	20
1,3-Dichlorobenzene	25.0	23.3	22.8	93.2	91.2	79.0-120			2.18	20
1,4-Dichlorobenzene	25.0	23.1	22.8	92.5	91.4	79.0-120			1.21	20
trans-1,4-Dichloro-2-butene	25.0	23.2	23.6	92.9	94.3	33.0-144			1.52	20
Dichlorodifluoromethane	25.0	29.2	28.2	117	113	51.0-149			3.48	20
1,1-Dichloroethane	25.0	24.8	24.4	99.1	97.4	70.0-126			1.67	20
1,2-Dichloroethane	25.0	24.1	24.4	96.3	97.8	70.0-128			1.52	20
1,1-Dichloroethene	25.0	24.7	24.4	98.7	97.6	71.0-124			1.17	20
2-Chlorotoluene	25.0	23.2	22.8	92.9	91.3	76.0-123			1.75	20
4-Chlorotoluene	25.0	22.8	22.6	91.3	90.5	75.0-122			0.880	20
cis-1,2-Dichloroethene	25.0	24.5	23.9	98.2	95.7	73.0-120			2.51	20
trans-1,2-Dichloroethene	25.0	25.5	25.5	102	102	73.0-120			0.193	20
1,2-Dichloropropane	25.0	24.5	24.3	97.8	97.1	77.0-125			0.717	20
1,1-Dichloropropene	25.0	25.9	25.2	104	101	74.0-126			2.89	20
1,3-Dichloropropane	25.0	25.5	24.5	102	98.0	80.0-120			4.10	20
cis-1,3-Dichloropropene	25.0	24.7	24.6	98.6	98.2	80.0-123			0.437	20
trans-1,3-Dichloropropene	25.0	26.4	24.9	105	99.7	78.0-124			5.62	20
2,2-Dichloropropane	25.0	24.7	22.8	98.7	91.1	58.0-130			8.02	20
Di-isopropyl ether	25.0	22.4	21.8	89.4	87.2	58.0-138			2.53	20

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

(LCS) R3393640-1 03/20/19 11:27 • (LCSD) R3393640-2 03/20/19 11:47

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	26.0	25.3	104	101	79.0-123			2.74	20
2-Hexanone	125	132	128	105	102	67.0-149			3.00	20
n-Hexane	25.0	24.3	24.5	97.1	97.8	57.0-133			0.795	20
Iodomethane	125	131	128	104	102	33.0-147			2.21	26
Isopropylbenzene	25.0	25.9	25.0	103	100	76.0-127			3.40	20
p-Isopropyltoluene	25.0	23.8	23.2	95.2	93.0	76.0-125			2.34	20
2-Butanone (MEK)	125	130	129	104	103	44.0-160			0.792	20
Methylene Chloride	25.0	25.0	24.3	100	97.2	67.0-120			2.92	20
4-Methyl-2-pentanone (MIBK)	125	125	120	100	95.8	68.0-142			4.30	20
Methyl tert-butyl ether	25.0	22.8	22.0	91.2	87.8	68.0-125			3.79	20
Naphthalene	25.0	22.4	22.3	89.8	89.1	54.0-135			0.728	20
Hexachloro-1,3-butadiene	25.0	24.4	24.6	97.7	98.3	54.0-138			0.670	20
n-Propylbenzene	25.0	22.5	22.5	90.1	89.8	77.0-124			0.317	20
Styrene	25.0	26.3	25.4	105	102	73.0-130			3.46	20
1,1,1,2-Tetrachloroethane	25.0	26.4	25.1	106	100	75.0-125			5.19	20
1,1,2,2-Tetrachloroethane	25.0	20.9	20.8	83.6	83.3	65.0-130			0.393	20
Tetrachloroethene	25.0	27.1	26.5	108	106	72.0-132			2.10	20
Toluene	25.0	24.1	22.8	96.5	91.2	79.0-120			5.56	20
1,2,3-Trichlorobenzene	25.0	23.5	23.1	93.9	92.4	50.0-138			1.63	20
1,2,4-Trichlorobenzene	25.0	24.4	24.1	97.6	96.3	57.0-137			1.29	20
1,1,1-Trichloroethane	25.0	25.5	24.9	102	99.7	73.0-124			2.35	20
1,1,2-Trichloroethane	25.0	24.5	23.7	97.9	94.7	80.0-120			3.26	20
Trichloroethene	25.0	24.6	24.3	98.6	97.1	78.0-124			1.55	20
Trichlorofluoromethane	25.0	25.7	25.5	103	102	59.0-147			0.682	20
1,2,3-Trichloropropane	25.0	23.4	23.6	93.6	94.4	73.0-130			0.886	20
1,2,3-Trimethylbenzene	25.0	22.5	22.2	89.8	88.6	77.0-120			1.33	20
1,2,4-Trimethylbenzene	25.0	22.8	22.8	91.4	91.2	76.0-121			0.257	20
1,3,5-Trimethylbenzene	25.0	22.7	22.4	91.0	89.7	76.0-122			1.37	20
Vinyl acetate	125	131	131	105	105	11.0-160			0.126	20
Vinyl chloride	25.0	26.6	24.9	106	99.8	67.0-131			6.40	20
Xylenes, Total	75.0	76.9	74.2	103	98.9	79.0-123			3.57	20
1,1,2-Trichlorotrifluoroethane	25.0	26.3	26.0	105	104	69.0-132			1.24	20
(S) Toluene-d8				*101*	*99.3*	*80.0-120*				
(S) 4-Bromofluorobenzene				*104*	*98.4*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*108*	*102*	*70.0-130*				

Method Blank (MB)

(MB) R3394173-3 03/21/19 20:22

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
cis-1,2-Dichloroethene	U		0.0933	0.500
Tetrachloroethene	U		0.199	0.500
Trichloroethene	U		0.153	0.500
Vinyl chloride	U		0.118	0.500
(S) Toluene-d8	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*101*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*

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

(LCS) R3394173-1 03/21/19 19:23 • (LCSD) R3394173-2 03/21/19 19:43

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
cis-1,2-Dichloroethene	25.0	24.9	25.4	99.5	102	73.0-120			2.15	20
Tetrachloroethene	25.0	28.3	28.7	113	115	72.0-132			1.47	20
Trichloroethene	25.0	25.7	26.3	103	105	78.0-124			2.09	20
Vinyl chloride	25.0	23.7	24.2	94.9	96.7	67.0-131			1.86	20
(S) Toluene-d8				*102*	*102*	*80.0-120*				
(S) 4-Bromofluorobenzene				*107*	*104*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*104*	*101*	*70.0-130*				

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.

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

State Accreditations

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

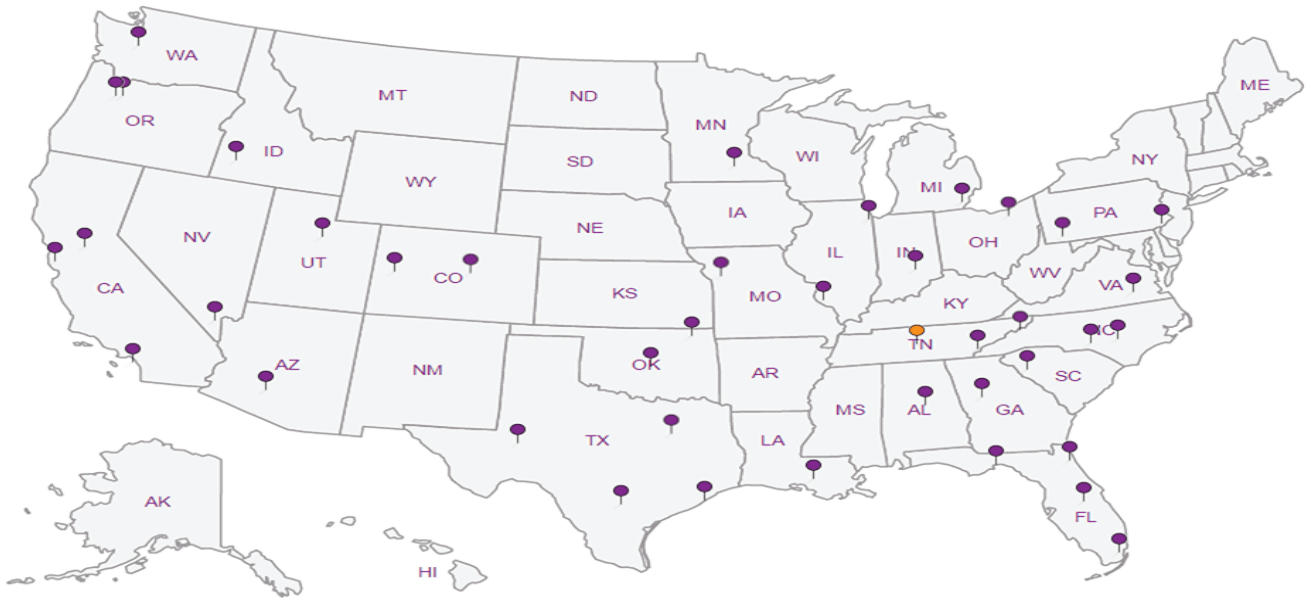
Third Party Federal Accreditations

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

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

Our Locations

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



Chain of Custody Page 1 of 2

Pace Analytical® National Center for Testing & Innovation

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

L# L1079374

E135

Acctnum: PESENVSWA
Template: T147176
Prelogin: P698284
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

Report to: Brian O'Neal/Bill Haldeman

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

Project Description: American Linen

City/State Collected: Seattle, WA

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

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): B. Hecht / K. Zygas

Site/Facility ID # American Linen

P.O. #

Collected by (signature): [signature]

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	NWTPHGX 40mlAmb HCl	VOCs (8260LLC) 40mlAmb-HCl	Remarks	Sample # (lab only)
MW134-031219	Grab	GW	85	3-12-19	0955	6	X	X		-01
MW136-031219		GW	89.5		1130	6	X	X		02
MW908-031219		GW	89.5		1145	6	X	X		03
MW151-031219		GW	40		1420	6	X	X		04
MW163-031219		GW	135		1430	6	X	X		05
MW164-031219		GW	135	↓	1600	6	X	X		06
MW133-031319		GW	134	3-13-19	1040	6	X	X		07
MW150-031319		GW	54		1250	6	X	X		08
MW135-031319		GW	75	↓	1300	6	X	X		09
MW149-031319	↓	GW	40	3-13-19	1345	6	X	X		10

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

Remarks:
- Standard T.A.T.
- Tier 2 lab QA/QC required

pH _____ Temp _____
Flow _____ Other _____

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

Tracking # 4686 6470 1033

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

RAD SCREEN: <0.5 mR/hr

	Date:	Time:	
Relinquished by : (Signature) [signature]	03-14-19	13:00	Received by: (Signature)
Relinquished by : (Signature)			Received by: (Signature)
Relinquished by : (Signature)			Received for lab by: (Signature) [signature]

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

Temp: 4.4 BF °C 0.4 - .1 = 0.3

Bottles Received: 71

Date: 3/15/19 Time: 845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

Chain of Custody Page 2 of 2

Pace Analytical® National Center for Testing & Innovation

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

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com; bhaldeman@pesenv.com; KSPRINGSTEAD@PESENV.COM KUK@PESENV.COM

Project Description: American Linen

City/State Collected: Seattle, WA

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

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): K. Eggan

Site/Facility ID # American Linen

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

L # L1079374

Table #

Acctnum: PESENVSWA
Template: T147176
Prelogin: P698284
TSR: 110 - Brian Ford
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	NWTPHGX 40mlAmb HCl	VOCs (8260LLC) 40mlAmb-HCl	Remarks	Sample # (lab only)
MW104-031319	Grab	GW	124	03-13-19	1533	6	X	X		-11
MW138-031419	Grab	GW	110	03-14-19	1045	6	X	X		12
Trip Blank-031419	Grab	GW	—	03-14-19	1201	1	X	X		13
		GW								
		GW								
		GW								
		GW								
		GW								
		GW								
		GW								

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

Remarks: - standard T.A.T.
- Tier 2 lab QA/QC required

pH _____ Temp _____
Flow _____ Other _____

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

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

Trip Blank Received: Yes / No
HCl / MeoH
TBR

Temp: A48°C 0.4-.1=0.3
Bottles Received: 7 1

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	03-14-19	1300	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			ASM

Date: 3/15/19 Time: 845

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

March 22, 2019

PES Environmental, Inc.- WA

Sample Delivery Group:	L1079417
Samples Received:	03/15/2019
Project Number:	1413.001.05.501
Description:	American Linen
Report To:	Brian O'Neal/Bill Haldeman
	1215 Fourth Ave., Suite 1350
	Seattle, WA 98161

Entire Report Reviewed By: Brian Ford

Brian Ford
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



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B16D16-40 L1079417-06 18
B16D16-45 L1079417-07 20
B16D16-50 L1079417-08 22
B16D16-55 L1079417-09 24
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B16D16-15 L1079417-01 Solid

Collected by: RTM | Collected date/time: 03/13/19 09:10 | Received date/time: 03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1252060	1	03/19/19 13:20	03/19/19 13:31	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1251625	4	03/13/19 09:10	03/18/19 16:19	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252003	4	03/13/19 09:10	03/19/19 13:15	BMB	Mt. Juliet, TN

B16D16-20 L1079417-02 Solid

Collected by: RTM | Collected date/time: 03/13/19 09:15 | Received date/time: 03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1252060	1	03/19/19 13:20	03/19/19 13:31	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1251625	1	03/13/19 09:15	03/18/19 16:41	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252003	1	03/13/19 09:15	03/19/19 13:34	BMB	Mt. Juliet, TN

B16D16-25 L1079417-03 Solid

Collected by: RTM | Collected date/time: 03/13/19 09:20 | Received date/time: 03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1252060	1	03/19/19 13:20	03/19/19 13:31	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1251625	1	03/13/19 09:20	03/18/19 17:02	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252003	1	03/13/19 09:20	03/19/19 13:54	BMB	Mt. Juliet, TN

B16D16-30 L1079417-04 Solid

Collected by: RTM | Collected date/time: 03/13/19 09:24 | Received date/time: 03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1252060	1	03/19/19 13:20	03/19/19 13:31	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1251625	1	03/13/19 09:24	03/18/19 17:24	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252003	1	03/13/19 09:24	03/19/19 14:13	BMB	Mt. Juliet, TN

B16D16-35 L1079417-05 Solid

Collected by: RTM | Collected date/time: 03/13/19 09:25 | Received date/time: 03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1252093	1	03/19/19 15:28	03/19/19 15:42	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1251625	1	03/13/19 09:25	03/18/19 17:47	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252003	1	03/13/19 09:25	03/19/19 14:33	BMB	Mt. Juliet, TN

B16D16-40 L1079417-06 Solid

Collected by: RTM | Collected date/time: 03/13/19 09:30 | Received date/time: 03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1252093	1	03/19/19 15:28	03/19/19 15:42	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1251625	1	03/13/19 09:30	03/18/19 18:09	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252003	1	03/13/19 09:30	03/19/19 14:53	BMB	Mt. Juliet, TN

B16D16-45 L1079417-07 Solid

Collected by	Collected date/time	Received date/time
RTM	03/13/19 09:55	03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1252093	1	03/19/19 15:28	03/19/19 15:42	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1251625	1	03/13/19 09:55	03/18/19 18:31	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252003	1	03/13/19 09:55	03/19/19 15:13	BMB	Mt. Juliet, TN

B16D16-50 L1079417-08 Solid

Collected by	Collected date/time	Received date/time
RTM	03/13/19 10:00	03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1252100	1	03/19/19 13:01	03/19/19 13:17	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1251625	1	03/13/19 10:00	03/18/19 20:21	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252003	1	03/13/19 10:00	03/19/19 15:32	BMB	Mt. Juliet, TN

B16D16-55 L1079417-09 Solid

Collected by	Collected date/time	Received date/time
RTM	03/13/19 10:55	03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1252100	1	03/19/19 13:01	03/19/19 13:17	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1251625	4.6	03/13/19 10:55	03/18/19 20:43	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252003	4.6	03/13/19 10:55	03/19/19 15:51	BMB	Mt. Juliet, TN

B16D16-60 L1079417-10 Solid

Collected by	Collected date/time	Received date/time
RTM	03/13/19 11:00	03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1252100	1	03/19/19 13:01	03/19/19 13:17	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1251625	1	03/13/19 11:00	03/18/19 21:06	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252003	1	03/13/19 11:00	03/19/19 16:11	BMB	Mt. Juliet, TN

B16D16-65 L1079417-11 Solid

Collected by	Collected date/time	Received date/time
RTM	03/13/19 12:45	03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1252100	1	03/19/19 13:01	03/19/19 13:17	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1251625	1	03/13/19 12:45	03/18/19 21:28	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252003	1	03/13/19 12:45	03/19/19 16:30	BMB	Mt. Juliet, TN

B16D16-70 L1079417-12 Solid

Collected by	Collected date/time	Received date/time
RTM	03/13/19 12:47	03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1252100	1	03/19/19 13:01	03/19/19 13:17	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1251625	1	03/13/19 12:47	03/18/19 21:50	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252003	1	03/13/19 12:47	03/19/19 16:50	BMB	Mt. Juliet, TN

B16D16-75 L1079417-13 Solid

Collected by: RTM | Collected date/time: 03/13/19 12:50 | Received date/time: 03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1252100	1	03/19/19 13:01	03/19/19 13:17	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1251625	1	03/13/19 12:50	03/18/19 22:13	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252003	1	03/13/19 12:50	03/19/19 17:09	BMB	Mt. Juliet, TN

B16D16-80 L1079417-14 Solid

Collected by: RTM | Collected date/time: 03/13/19 12:53 | Received date/time: 03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1252100	1	03/19/19 13:01	03/19/19 13:17	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1251625	1	03/13/19 12:53	03/18/19 22:35	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252003	1	03/13/19 12:53	03/19/19 17:29	BMB	Mt. Juliet, TN

B16D16-85 L1079417-15 Solid

Collected by: RTM | Collected date/time: 03/13/19 13:00 | Received date/time: 03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1252100	1	03/19/19 13:01	03/19/19 13:17	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1251625	1	03/13/19 13:00	03/18/19 22:57	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252003	1	03/13/19 13:00	03/19/19 17:48	BMB	Mt. Juliet, TN

B16D16-90 L1079417-16 Solid

Collected by: RTM | Collected date/time: 03/13/19 14:35 | Received date/time: 03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1252100	1	03/19/19 13:01	03/19/19 13:17	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1251625	1	03/13/19 14:35	03/18/19 23:19	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252003	1	03/13/19 14:35	03/19/19 18:08	BMB	Mt. Juliet, TN

B16D16-95 L1079417-17 Solid

Collected by: RTM | Collected date/time: 03/13/19 14:38 | Received date/time: 03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1252100	1	03/19/19 13:01	03/19/19 13:17	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1251625	1	03/13/19 14:38	03/18/19 23:42	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252003	1	03/13/19 14:38	03/19/19 18:28	BMB	Mt. Juliet, TN

B16D16-100 L1079417-18 Solid

Collected by: RTM | Collected date/time: 03/13/19 14:43 | Received date/time: 03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1252177	1	03/20/19 13:34	03/20/19 13:47	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1251625	1	03/13/19 14:43	03/19/19 00:04	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252003	1	03/13/19 14:43	03/19/19 18:47	BMB	Mt. Juliet, TN

B16D16-105 L1079417-19 Solid

Collected by: RTM
Collected date/time: 03/13/19 14:50
Received date/time: 03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1252177	1	03/20/19 13:34	03/20/19 13:47	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252749	1	03/13/19 14:50	03/20/19 17:13	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1253335	1	03/13/19 14:50	03/21/19 19:14	JAH	Mt. Juliet, TN

B-934-105 L1079417-20 Solid

Collected by: RTM
Collected date/time: 03/13/19 17:00
Received date/time: 03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1252177	1	03/20/19 13:34	03/20/19 13:47	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252749	1	03/13/19 17:00	03/20/19 17:32	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1253335	1	03/13/19 17:00	03/21/19 19:34	JAH	Mt. Juliet, TN

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



Brian Ford
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.2		1	03/19/2019 13:31	WG1252060

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0908	J J0	0.0643	0.117	4	03/19/2019 13:15	WG1252003
Acrylonitrile	U		0.00892	0.0587	4	03/18/2019 16:19	WG1251625
Benzene	U		0.00188	0.00470	4	03/18/2019 16:19	WG1251625
Bromobenzene	U		0.00493	0.0587	4	03/18/2019 16:19	WG1251625
Bromodichloromethane	U		0.00370	0.0117	4	03/18/2019 16:19	WG1251625
Bromochloromethane	U		0.00531	0.0235	4	03/18/2019 16:19	WG1251625
Bromoform	U		0.0281	0.117	4	03/18/2019 16:19	WG1251625
Bromomethane	U		0.0174	0.0587	4	03/18/2019 16:19	WG1251625
n-Butylbenzene	U		0.0181	0.0587	4	03/19/2019 13:15	WG1252003
sec-Butylbenzene	U		0.0119	0.0587	4	03/18/2019 16:19	WG1251625
tert-Butylbenzene	U		0.00728	0.0235	4	03/18/2019 16:19	WG1251625
Carbon disulfide	U		0.0190	0.0587	4	03/18/2019 16:19	WG1251625
Carbon tetrachloride	U		0.00507	0.0235	4	03/18/2019 16:19	WG1251625
Chlorobenzene	U		0.00269	0.0117	4	03/18/2019 16:19	WG1251625
Chlorodibromomethane	U		0.00211	0.0117	4	03/18/2019 16:19	WG1251625
Chloroethane	U		0.00507	0.0235	4	03/18/2019 16:19	WG1251625
Chloroform	U		0.00195	0.0117	4	03/18/2019 16:19	WG1251625
Chloromethane	U		0.00653	0.0587	4	03/18/2019 16:19	WG1251625
2-Chlorotoluene	U		0.00432	0.0117	4	03/18/2019 16:19	WG1251625
4-Chlorotoluene	U		0.00531	0.0235	4	03/18/2019 16:19	WG1251625
1,2-Dibromo-3-Chloropropane	U		0.0240	0.117	4	03/18/2019 16:19	WG1251625
1,2-Dibromoethane	U		0.00247	0.0117	4	03/18/2019 16:19	WG1251625
Dibromomethane	U		0.00470	0.0235	4	03/18/2019 16:19	WG1251625
1,2-Dichlorobenzene	U		0.00681	0.0235	4	03/18/2019 16:19	WG1251625
1,3-Dichlorobenzene	U		0.00798	0.0235	4	03/18/2019 16:19	WG1251625
1,4-Dichlorobenzene	U		0.00925	0.0235	4	03/18/2019 16:19	WG1251625
Dichlorodifluoromethane	U		0.00384	0.0117	4	03/18/2019 16:19	WG1251625
1,1-Dichloroethane	U		0.00270	0.0117	4	03/18/2019 16:19	WG1251625
1,2-Dichloroethane	U		0.00223	0.0117	4	03/18/2019 16:19	WG1251625
1,1-Dichloroethene	U		0.00235	0.0117	4	03/18/2019 16:19	WG1251625
cis-1,2-Dichloroethene	U		0.00324	0.0117	4	03/18/2019 16:19	WG1251625
trans-1,2-Dichloroethene	U		0.00672	0.0235	4	03/18/2019 16:19	WG1251625
1,2-Dichloropropane	U		0.00597	0.0235	4	03/18/2019 16:19	WG1251625
1,1-Dichloropropene	U		0.00329	0.0117	4	03/18/2019 16:19	WG1251625
1,3-Dichloropropane	U		0.00822	0.0235	4	03/18/2019 16:19	WG1251625
cis-1,3-Dichloropropene	U		0.00318	0.0117	4	03/18/2019 16:19	WG1251625
trans-1,3-Dichloropropene	U		0.00719	0.0235	4	03/18/2019 16:19	WG1251625
trans-1,4-Dichloro-2-butene	U		0.00658	0.0235	4	03/18/2019 16:19	WG1251625
2,2-Dichloropropane	U		0.00372	0.0117	4	03/18/2019 16:19	WG1251625
Di-isopropyl ether	U		0.00164	0.00470	4	03/18/2019 16:19	WG1251625
Ethylbenzene	U		0.00249	0.0117	4	03/18/2019 16:19	WG1251625
Hexachloro-1,3-butadiene	U		0.0597	0.117	4	03/19/2019 13:15	WG1252003
2-Hexanone	U		0.0470	0.117	4	03/18/2019 16:19	WG1251625
n-Hexane	U		0.00498	0.0235	4	03/18/2019 16:19	WG1251625
Iodomethane	U		0.0284	0.0587	4	03/18/2019 16:19	WG1251625
Isopropylbenzene	U		0.00405	0.0117	4	03/18/2019 16:19	WG1251625
p-Isopropyltoluene	U		0.0109	0.0235	4	03/18/2019 16:19	WG1251625
2-Butanone (MEK)	U		0.0587	0.117	4	03/18/2019 16:19	WG1251625
Methylene Chloride	U		0.0312	0.117	4	03/18/2019 16:19	WG1251625
4-Methyl-2-pentanone (MIBK)	U		0.0470	0.117	4	03/18/2019 16:19	WG1251625

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.00139	0.00470	4	03/18/2019 16:19	WG1251625
Naphthalene	U		0.0147	0.0587	4	03/18/2019 16:19	WG1251625
n-Propylbenzene	U		0.00554	0.0235	4	03/18/2019 16:19	WG1251625
Styrene	U		0.0128	0.0587	4	03/18/2019 16:19	WG1251625
1,1,1,2-Tetrachloroethane	U		0.00235	0.0117	4	03/18/2019 16:19	WG1251625
1,1,2,2-Tetrachloroethane	U		0.00183	0.0117	4	03/18/2019 16:19	WG1251625
1,1,2-Trichlorotrifluoroethane	U		0.00317	0.0117	4	03/18/2019 16:19	WG1251625
Tetrachloroethene	U		0.00329	0.0117	4	03/18/2019 16:19	WG1251625
Toluene	U		0.00587	0.0235	4	03/18/2019 16:19	WG1251625
1,2,3-Trichlorobenzene	U		0.00294	0.0117	4	03/19/2019 13:15	WG1252003
1,2,4-Trichlorobenzene	U		0.0227	0.0587	4	03/19/2019 13:15	WG1252003
1,1,1-Trichloroethane	U		0.00129	0.0117	4	03/18/2019 16:19	WG1251625
1,1,2-Trichloroethane	U		0.00415	0.0117	4	03/18/2019 16:19	WG1251625
Trichloroethene	U		0.00188	0.00470	4	03/18/2019 16:19	WG1251625
Trichlorofluoromethane	U		0.00235	0.0117	4	03/18/2019 16:19	WG1251625
1,2,3-Trichloropropane	U		0.0240	0.0587	4	03/18/2019 16:19	WG1251625
1,2,4-Trimethylbenzene	0.00636	B J	0.00545	0.0235	4	03/18/2019 16:19	WG1251625
1,2,3-Trimethylbenzene	U		0.00540	0.0235	4	03/18/2019 16:19	WG1251625
1,3,5-Trimethylbenzene	U		0.00507	0.0235	4	03/18/2019 16:19	WG1251625
Vinyl acetate	U		0.0166	0.0587	4	03/18/2019 16:19	WG1251625
Vinyl chloride	U		0.00321	0.0117	4	03/18/2019 16:19	WG1251625
Xylenes, Total	U		0.0224	0.0305	4	03/18/2019 16:19	WG1251625
(S) Toluene-d8	*96.8*			*75.0-131*		*03/18/2019 16:19*	WG1251625
(S) Toluene-d8	*93.4*			*75.0-131*		*03/19/2019 13:15*	WG1252003
(S) 4-Bromofluorobenzene	*87.5*			*67.0-138*		*03/18/2019 16:19*	WG1251625
(S) 4-Bromofluorobenzene	*84.3*			*67.0-138*		*03/19/2019 13:15*	WG1252003
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*03/18/2019 16:19*	WG1251625
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*03/19/2019 13:15*	WG1252003

Sample Narrative:

L1079417-01 WG1252003: Lowest possible dilution due to limited sample volume.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.4		1	03/19/2019 13:31	WG1252060

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0150	0.0273	1	03/19/2019 13:34	WG1252003
Acrylonitrile	U		0.00208	0.0137	1	03/18/2019 16:41	WG1251625
Benzene	U		0.000438	0.00109	1	03/18/2019 16:41	WG1251625
Bromobenzene	U		0.00115	0.0137	1	03/18/2019 16:41	WG1251625
Bromodichloromethane	U		0.000862	0.00273	1	03/18/2019 16:41	WG1251625
Bromochloromethane	U		0.00124	0.00547	1	03/18/2019 16:41	WG1251625
Bromoform	U		0.00654	0.0273	1	03/18/2019 16:41	WG1251625
Bromomethane	U		0.00405	0.0137	1	03/18/2019 16:41	WG1251625
n-Butylbenzene	U		0.00420	0.0137	1	03/19/2019 13:34	WG1252003
sec-Butylbenzene	U		0.00277	0.0137	1	03/18/2019 16:41	WG1251625
tert-Butylbenzene	U		0.00170	0.00547	1	03/18/2019 16:41	WG1251625
Carbon disulfide	U		0.00444	0.0137	1	03/18/2019 16:41	WG1251625
Carbon tetrachloride	U		0.00118	0.00547	1	03/18/2019 16:41	WG1251625
Chlorobenzene	U		0.000627	0.00273	1	03/18/2019 16:41	WG1251625
Chlorodibromomethane	U		0.000492	0.00273	1	03/18/2019 16:41	WG1251625
Chloroethane	U		0.00118	0.00547	1	03/18/2019 16:41	WG1251625
Chloroform	U		0.000454	0.00273	1	03/18/2019 16:41	WG1251625
Chloromethane	U		0.00152	0.0137	1	03/18/2019 16:41	WG1251625
2-Chlorotoluene	U		0.00101	0.00273	1	03/18/2019 16:41	WG1251625
4-Chlorotoluene	U		0.00124	0.00547	1	03/18/2019 16:41	WG1251625
1,2-Dibromo-3-Chloropropane	U		0.00558	0.0273	1	03/18/2019 16:41	WG1251625
1,2-Dibromoethane	U		0.000574	0.00273	1	03/18/2019 16:41	WG1251625
Dibromomethane	U		0.00109	0.00547	1	03/18/2019 16:41	WG1251625
1,2-Dichlorobenzene	U		0.00159	0.00547	1	03/18/2019 16:41	WG1251625
1,3-Dichlorobenzene	U		0.00186	0.00547	1	03/18/2019 16:41	WG1251625
1,4-Dichlorobenzene	U		0.00215	0.00547	1	03/18/2019 16:41	WG1251625
Dichlorodifluoromethane	U		0.000895	0.00273	1	03/18/2019 16:41	WG1251625
1,1-Dichloroethane	U		0.000629	0.00273	1	03/18/2019 16:41	WG1251625
1,2-Dichloroethane	U		0.000520	0.00273	1	03/18/2019 16:41	WG1251625
1,1-Dichloroethene	U		0.000547	0.00273	1	03/18/2019 16:41	WG1251625
cis-1,2-Dichloroethene	U		0.000755	0.00273	1	03/18/2019 16:41	WG1251625
trans-1,2-Dichloroethene	U		0.00156	0.00547	1	03/18/2019 16:41	WG1251625
1,2-Dichloropropane	U		0.00139	0.00547	1	03/18/2019 16:41	WG1251625
1,1-Dichloropropene	U		0.000766	0.00273	1	03/18/2019 16:41	WG1251625
1,3-Dichloropropane	U		0.00191	0.00547	1	03/18/2019 16:41	WG1251625
cis-1,3-Dichloropropene	U		0.000742	0.00273	1	03/18/2019 16:41	WG1251625
trans-1,3-Dichloropropene	U		0.00167	0.00547	1	03/18/2019 16:41	WG1251625
trans-1,4-Dichloro-2-butene	U		0.00153	0.00547	1	03/18/2019 16:41	WG1251625
2,2-Dichloropropane	U		0.000867	0.00273	1	03/18/2019 16:41	WG1251625
Di-isopropyl ether	U		0.000383	0.00109	1	03/18/2019 16:41	WG1251625
Ethylbenzene	U		0.000580	0.00273	1	03/18/2019 16:41	WG1251625
Hexachloro-1,3-butadiene	U		0.0139	0.0273	1	03/19/2019 13:34	WG1252003
2-Hexanone	U		0.0109	0.0273	1	03/18/2019 16:41	WG1251625
n-Hexane	U		0.00116	0.00547	1	03/18/2019 16:41	WG1251625
Iodomethane	U		0.00662	0.0137	1	03/18/2019 16:41	WG1251625
Isopropylbenzene	U		0.000944	0.00273	1	03/18/2019 16:41	WG1251625
p-Isopropyltoluene	U		0.00255	0.00547	1	03/18/2019 16:41	WG1251625
2-Butanone (MEK)	U		0.0137	0.0273	1	03/18/2019 16:41	WG1251625
Methylene Chloride	U		0.00726	0.0273	1	03/18/2019 16:41	WG1251625
4-Methyl-2-pentanone (MIBK)	U		0.0109	0.0273	1	03/18/2019 16:41	WG1251625

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		0.000323	0.00109	1	03/18/2019 16:41	WG1251625
Naphthalene	U		0.00341	0.0137	1	03/18/2019 16:41	WG1251625
n-Propylbenzene	U		0.00129	0.00547	1	03/18/2019 16:41	WG1251625
Styrene	U		0.00299	0.0137	1	03/18/2019 16:41	WG1251625
1,1,1,2-Tetrachloroethane	U		0.000547	0.00273	1	03/18/2019 16:41	WG1251625
1,1,2,2-Tetrachloroethane	U		0.000427	0.00273	1	03/18/2019 16:41	WG1251625
1,1,2-Trichlorotrifluoroethane	U		0.000738	0.00273	1	03/18/2019 16:41	WG1251625
Tetrachloroethene	0.0142		0.000766	0.00273	1	03/18/2019 16:41	WG1251625
Toluene	U		0.00137	0.00547	1	03/18/2019 16:41	WG1251625
1,2,3-Trichlorobenzene	U		0.000684	0.00273	1	03/19/2019 13:34	WG1252003
1,2,4-Trichlorobenzene	U		0.00527	0.0137	1	03/19/2019 13:34	WG1252003
1,1,1-Trichloroethane	U		0.000301	0.00273	1	03/18/2019 16:41	WG1251625
1,1,2-Trichloroethane	U		0.000966	0.00273	1	03/18/2019 16:41	WG1251625
Trichloroethene	0.000603	J	0.000438	0.00109	1	03/18/2019 16:41	WG1251625
Trichlorofluoromethane	U		0.000547	0.00273	1	03/18/2019 16:41	WG1251625
1,2,3-Trichloropropane	U		0.00558	0.0137	1	03/18/2019 16:41	WG1251625
1,2,4-Trimethylbenzene	U		0.00127	0.00547	1	03/18/2019 16:41	WG1251625
1,2,3-Trimethylbenzene	U		0.00126	0.00547	1	03/18/2019 16:41	WG1251625
1,3,5-Trimethylbenzene	U		0.00118	0.00547	1	03/18/2019 16:41	WG1251625
Vinyl acetate	U		0.00385	0.0137	1	03/18/2019 16:41	WG1251625
Vinyl chloride	U		0.000747	0.00273	1	03/18/2019 16:41	WG1251625
Xylenes, Total	U		0.00523	0.00711	1	03/18/2019 16:41	WG1251625
(S) Toluene-d8	*97.6*			*75.0-131*		*03/18/2019 16:41*	WG1251625
(S) Toluene-d8	*93.4*			*75.0-131*		*03/19/2019 13:34*	WG1252003
(S) 4-Bromofluorobenzene	*87.5*			*67.0-138*		*03/18/2019 16:41*	WG1251625
(S) 4-Bromofluorobenzene	*81.6*			*67.0-138*		*03/19/2019 13:34*	WG1252003
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*03/18/2019 16:41*	WG1251625
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*03/19/2019 13:34*	WG1252003

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.4		1	03/19/2019 13:31	WG1252060

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0183	J JO	0.0147	0.0268	1	03/19/2019 13:54	WG1252003
Acrylonitrile	U		0.00203	0.0134	1	03/18/2019 17:02	WG1251625
Benzene	U		0.000428	0.00107	1	03/18/2019 17:02	WG1251625
Bromobenzene	U		0.00112	0.0134	1	03/18/2019 17:02	WG1251625
Bromodichloromethane	U		0.000844	0.00268	1	03/18/2019 17:02	WG1251625
Bromochloromethane	U		0.00121	0.00536	1	03/18/2019 17:02	WG1251625
Bromoform	U		0.00640	0.0268	1	03/18/2019 17:02	WG1251625
Bromomethane	U		0.00396	0.0134	1	03/18/2019 17:02	WG1251625
n-Butylbenzene	U		0.00411	0.0134	1	03/19/2019 13:54	WG1252003
sec-Butylbenzene	U		0.00271	0.0134	1	03/18/2019 17:02	WG1251625
tert-Butylbenzene	U		0.00166	0.00536	1	03/18/2019 17:02	WG1251625
Carbon disulfide	U		0.00435	0.0134	1	03/18/2019 17:02	WG1251625
Carbon tetrachloride	U		0.00116	0.00536	1	03/18/2019 17:02	WG1251625
Chlorobenzene	U		0.000614	0.00268	1	03/18/2019 17:02	WG1251625
Chlorodibromomethane	U		0.000482	0.00268	1	03/18/2019 17:02	WG1251625
Chloroethane	U		0.00116	0.00536	1	03/18/2019 17:02	WG1251625
Chloroform	U		0.000444	0.00268	1	03/18/2019 17:02	WG1251625
Chloromethane	U		0.00149	0.0134	1	03/18/2019 17:02	WG1251625
2-Chlorotoluene	U		0.000985	0.00268	1	03/18/2019 17:02	WG1251625
4-Chlorotoluene	U		0.00121	0.00536	1	03/18/2019 17:02	WG1251625
1,2-Dibromo-3-Chloropropane	U		0.00546	0.0268	1	03/18/2019 17:02	WG1251625
1,2-Dibromoethane	U		0.000562	0.00268	1	03/18/2019 17:02	WG1251625
Dibromomethane	U		0.00107	0.00536	1	03/18/2019 17:02	WG1251625
1,2-Dichlorobenzene	U		0.00155	0.00536	1	03/18/2019 17:02	WG1251625
1,3-Dichlorobenzene	U		0.00182	0.00536	1	03/18/2019 17:02	WG1251625
1,4-Dichlorobenzene	U		0.00211	0.00536	1	03/18/2019 17:02	WG1251625
Dichlorodifluoromethane	U		0.000876	0.00268	1	03/18/2019 17:02	WG1251625
1,1-Dichloroethane	U		0.000616	0.00268	1	03/18/2019 17:02	WG1251625
1,2-Dichloroethane	U		0.000509	0.00268	1	03/18/2019 17:02	WG1251625
1,1-Dichloroethene	U		0.000536	0.00268	1	03/18/2019 17:02	WG1251625
cis-1,2-Dichloroethene	0.00264	J	0.000739	0.00268	1	03/18/2019 17:02	WG1251625
trans-1,2-Dichloroethene	U		0.00153	0.00536	1	03/18/2019 17:02	WG1251625
1,2-Dichloropropane	U		0.00136	0.00536	1	03/18/2019 17:02	WG1251625
1,1-Dichloropropene	U		0.000750	0.00268	1	03/18/2019 17:02	WG1251625
1,3-Dichloropropane	U		0.00187	0.00536	1	03/18/2019 17:02	WG1251625
cis-1,3-Dichloropropene	U		0.000726	0.00268	1	03/18/2019 17:02	WG1251625
trans-1,3-Dichloropropene	U		0.00164	0.00536	1	03/18/2019 17:02	WG1251625
trans-1,4-Dichloro-2-butene	U		0.00150	0.00536	1	03/18/2019 17:02	WG1251625
2,2-Dichloropropane	U		0.000849	0.00268	1	03/18/2019 17:02	WG1251625
Di-isopropyl ether	U		0.000375	0.00107	1	03/18/2019 17:02	WG1251625
Ethylbenzene	0.000665	J	0.000568	0.00268	1	03/18/2019 17:02	WG1251625
Hexachloro-1,3-butadiene	U		0.0136	0.0268	1	03/19/2019 13:54	WG1252003
2-Hexanone	U		0.0107	0.0268	1	03/18/2019 17:02	WG1251625
n-Hexane	U		0.00114	0.00536	1	03/18/2019 17:02	WG1251625
Iodomethane	U		0.00648	0.0134	1	03/18/2019 17:02	WG1251625
Isopropylbenzene	U		0.000924	0.00268	1	03/18/2019 17:02	WG1251625
p-Isopropyltoluene	U		0.00250	0.00536	1	03/18/2019 17:02	WG1251625
2-Butanone (MEK)	0.0265	J JO	0.0134	0.0268	1	03/18/2019 17:02	WG1251625
Methylene Chloride	U		0.00711	0.0268	1	03/18/2019 17:02	WG1251625
4-Methyl-2-pentanone (MIBK)	U		0.0107	0.0268	1	03/18/2019 17:02	WG1251625

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000316	0.00107	1	03/18/2019 17:02	WG1251625
Naphthalene	U		0.00334	0.0134	1	03/18/2019 17:02	WG1251625
n-Propylbenzene	U		0.00126	0.00536	1	03/18/2019 17:02	WG1251625
Styrene	U		0.00292	0.0134	1	03/18/2019 17:02	WG1251625
1,1,1,2-Tetrachloroethane	U		0.000536	0.00268	1	03/18/2019 17:02	WG1251625
1,1,2,2-Tetrachloroethane	U		0.000418	0.00268	1	03/18/2019 17:02	WG1251625
1,1,2-Trichlorotrifluoroethane	U		0.000723	0.00268	1	03/18/2019 17:02	WG1251625
Tetrachloroethene	0.0242		0.000750	0.00268	1	03/18/2019 17:02	WG1251625
Toluene	U		0.00134	0.00536	1	03/18/2019 17:02	WG1251625
1,2,3-Trichlorobenzene	U		0.000669	0.00268	1	03/19/2019 13:54	WG1252003
1,2,4-Trichlorobenzene	U		0.00516	0.0134	1	03/19/2019 13:54	WG1252003
1,1,1-Trichloroethane	U		0.000295	0.00268	1	03/18/2019 17:02	WG1251625
1,1,2-Trichloroethane	U		0.000946	0.00268	1	03/18/2019 17:02	WG1251625
Trichloroethene	0.00173		0.000428	0.00107	1	03/18/2019 17:02	WG1251625
Trichlorofluoromethane	U		0.000536	0.00268	1	03/18/2019 17:02	WG1251625
1,2,3-Trichloropropane	U		0.00546	0.0134	1	03/18/2019 17:02	WG1251625
1,2,4-Trimethylbenzene	0.00142	B J	0.00124	0.00536	1	03/18/2019 17:02	WG1251625
1,2,3-Trimethylbenzene	U		0.00123	0.00536	1	03/18/2019 17:02	WG1251625
1,3,5-Trimethylbenzene	U		0.00116	0.00536	1	03/18/2019 17:02	WG1251625
Vinyl acetate	U		0.00377	0.0134	1	03/18/2019 17:02	WG1251625
Vinyl chloride	U		0.000732	0.00268	1	03/18/2019 17:02	WG1251625
Xylenes, Total	U		0.00512	0.00696	1	03/18/2019 17:02	WG1251625
(S) Toluene-d8	*99.6*			*75.0-131*		*03/18/2019 17:02*	WG1251625
(S) Toluene-d8	*95.3*			*75.0-131*		*03/19/2019 13:54*	WG1252003
(S) 4-Bromofluorobenzene	*88.6*			*67.0-138*		*03/18/2019 17:02*	WG1251625
(S) 4-Bromofluorobenzene	*81.9*			*67.0-138*		*03/19/2019 13:54*	WG1252003
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*03/18/2019 17:02*	WG1251625
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*03/19/2019 13:54*	WG1252003

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.0		1	03/19/2019 13:31	WG1252060

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0196	J J0	0.0151	0.0275	1	03/19/2019 14:13	WG1252003
Acrylonitrile	U		0.00209	0.0137	1	03/18/2019 17:24	WG1251625
Benzene	U		0.000440	0.00110	1	03/18/2019 17:24	WG1251625
Bromobenzene	U		0.00115	0.0137	1	03/18/2019 17:24	WG1251625
Bromodichloromethane	U		0.000866	0.00275	1	03/18/2019 17:24	WG1251625
Bromochloromethane	U		0.00124	0.00550	1	03/18/2019 17:24	WG1251625
Bromoform	U		0.00657	0.0275	1	03/18/2019 17:24	WG1251625
Bromomethane	U		0.00407	0.0137	1	03/18/2019 17:24	WG1251625
n-Butylbenzene	U		0.00422	0.0137	1	03/19/2019 14:13	WG1252003
sec-Butylbenzene	U		0.00278	0.0137	1	03/18/2019 17:24	WG1251625
tert-Butylbenzene	U		0.00170	0.00550	1	03/18/2019 17:24	WG1251625
Carbon disulfide	U		0.00446	0.0137	1	03/18/2019 17:24	WG1251625
Carbon tetrachloride	U		0.00119	0.00550	1	03/18/2019 17:24	WG1251625
Chlorobenzene	U		0.000630	0.00275	1	03/18/2019 17:24	WG1251625
Chlorodibromomethane	U		0.000495	0.00275	1	03/18/2019 17:24	WG1251625
Chloroethane	U		0.00119	0.00550	1	03/18/2019 17:24	WG1251625
Chloroform	U		0.000456	0.00275	1	03/18/2019 17:24	WG1251625
Chloromethane	U		0.00153	0.0137	1	03/18/2019 17:24	WG1251625
2-Chlorotoluene	U		0.00101	0.00275	1	03/18/2019 17:24	WG1251625
4-Chlorotoluene	U		0.00124	0.00550	1	03/18/2019 17:24	WG1251625
1,2-Dibromo-3-Chloropropane	U		0.00560	0.0275	1	03/18/2019 17:24	WG1251625
1,2-Dibromoethane	U		0.000577	0.00275	1	03/18/2019 17:24	WG1251625
Dibromomethane	U		0.00110	0.00550	1	03/18/2019 17:24	WG1251625
1,2-Dichlorobenzene	U		0.00159	0.00550	1	03/18/2019 17:24	WG1251625
1,3-Dichlorobenzene	U		0.00187	0.00550	1	03/18/2019 17:24	WG1251625
1,4-Dichlorobenzene	U		0.00217	0.00550	1	03/18/2019 17:24	WG1251625
Dichlorodifluoromethane	U		0.000899	0.00275	1	03/18/2019 17:24	WG1251625
1,1-Dichloroethane	U		0.000632	0.00275	1	03/18/2019 17:24	WG1251625
1,2-Dichloroethane	U		0.000522	0.00275	1	03/18/2019 17:24	WG1251625
1,1-Dichloroethene	U		0.000550	0.00275	1	03/18/2019 17:24	WG1251625
cis-1,2-Dichloroethene	0.00446		0.000758	0.00275	1	03/18/2019 17:24	WG1251625
trans-1,2-Dichloroethene	U		0.00157	0.00550	1	03/18/2019 17:24	WG1251625
1,2-Dichloropropane	U		0.00140	0.00550	1	03/18/2019 17:24	WG1251625
1,1-Dichloropropene	U		0.000769	0.00275	1	03/18/2019 17:24	WG1251625
1,3-Dichloropropane	U		0.00192	0.00550	1	03/18/2019 17:24	WG1251625
cis-1,3-Dichloropropene	U		0.000745	0.00275	1	03/18/2019 17:24	WG1251625
trans-1,3-Dichloropropene	U		0.00168	0.00550	1	03/18/2019 17:24	WG1251625
trans-1,4-Dichloro-2-butene	U		0.00154	0.00550	1	03/18/2019 17:24	WG1251625
2,2-Dichloropropane	U		0.000872	0.00275	1	03/18/2019 17:24	WG1251625
Di-isopropyl ether	U		0.000385	0.00110	1	03/18/2019 17:24	WG1251625
Ethylbenzene	U		0.000582	0.00275	1	03/18/2019 17:24	WG1251625
Hexachloro-1,3-butadiene	U		0.0140	0.0275	1	03/19/2019 14:13	WG1252003
2-Hexanone	U		0.0110	0.0275	1	03/18/2019 17:24	WG1251625
n-Hexane	U		0.00116	0.00550	1	03/18/2019 17:24	WG1251625
Iodomethane	U		0.00665	0.0137	1	03/18/2019 17:24	WG1251625
Isopropylbenzene	U		0.000948	0.00275	1	03/18/2019 17:24	WG1251625
p-Isopropyltoluene	U		0.00256	0.00550	1	03/18/2019 17:24	WG1251625
2-Butanone (MEK)	0.0402	J0	0.0137	0.0275	1	03/18/2019 17:24	WG1251625
Methylene Chloride	U		0.00730	0.0275	1	03/18/2019 17:24	WG1251625
4-Methyl-2-pentanone (MIBK)	U		0.0110	0.0275	1	03/18/2019 17:24	WG1251625

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000324	0.00110	1	03/18/2019 17:24	WG1251625
Naphthalene	U		0.00343	0.0137	1	03/18/2019 17:24	WG1251625
n-Propylbenzene	U		0.00130	0.00550	1	03/18/2019 17:24	WG1251625
Styrene	U		0.00300	0.0137	1	03/18/2019 17:24	WG1251625
1,1,1,2-Tetrachloroethane	U		0.000550	0.00275	1	03/18/2019 17:24	WG1251625
1,1,2,2-Tetrachloroethane	U		0.000429	0.00275	1	03/18/2019 17:24	WG1251625
1,1,2-Trichlorotrifluoroethane	U		0.000742	0.00275	1	03/18/2019 17:24	WG1251625
Tetrachloroethene	0.0590		0.000769	0.00275	1	03/18/2019 17:24	WG1251625
Toluene	U		0.00137	0.00550	1	03/18/2019 17:24	WG1251625
1,2,3-Trichlorobenzene	U		0.000687	0.00275	1	03/19/2019 14:13	WG1252003
1,2,4-Trichlorobenzene	U		0.00530	0.0137	1	03/19/2019 14:13	WG1252003
1,1,1-Trichloroethane	U		0.000302	0.00275	1	03/18/2019 17:24	WG1251625
1,1,2-Trichloroethane	U		0.000970	0.00275	1	03/18/2019 17:24	WG1251625
Trichloroethene	0.00431		0.000440	0.00110	1	03/18/2019 17:24	WG1251625
Trichlorofluoromethane	U		0.000550	0.00275	1	03/18/2019 17:24	WG1251625
1,2,3-Trichloropropane	U		0.00560	0.0137	1	03/18/2019 17:24	WG1251625
1,2,4-Trimethylbenzene	U		0.00127	0.00550	1	03/18/2019 17:24	WG1251625
1,2,3-Trimethylbenzene	U		0.00126	0.00550	1	03/18/2019 17:24	WG1251625
1,3,5-Trimethylbenzene	U		0.00119	0.00550	1	03/18/2019 17:24	WG1251625
Vinyl acetate	U		0.00387	0.0137	1	03/18/2019 17:24	WG1251625
Vinyl chloride	U		0.000751	0.00275	1	03/18/2019 17:24	WG1251625
Xylenes, Total	U		0.00525	0.00714	1	03/18/2019 17:24	WG1251625
(S) Toluene-d8	*98.2*			*75.0-131*		*03/18/2019 17:24*	WG1251625
(S) Toluene-d8	*93.8*			*75.0-131*		*03/19/2019 14:13*	WG1252003
(S) 4-Bromofluorobenzene	*93.3*			*67.0-138*		*03/18/2019 17:24*	WG1251625
(S) 4-Bromofluorobenzene	*81.3*			*67.0-138*		*03/19/2019 14:13*	WG1252003
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*03/18/2019 17:24*	WG1251625
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*03/19/2019 14:13*	WG1252003

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.0		1	03/19/2019 15:42	WG1252093

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0151	0.0275	1	03/19/2019 14:33	WG1252003
Acrylonitrile	U		0.00209	0.0137	1	03/18/2019 17:47	WG1251625
Benzene	0.000599	J	0.000440	0.00110	1	03/18/2019 17:47	WG1251625
Bromobenzene	U		0.00115	0.0137	1	03/18/2019 17:47	WG1251625
Bromodichloromethane	U		0.000866	0.00275	1	03/18/2019 17:47	WG1251625
Bromochloromethane	U		0.00124	0.00550	1	03/18/2019 17:47	WG1251625
Bromoform	U		0.00657	0.0275	1	03/18/2019 17:47	WG1251625
Bromomethane	U		0.00407	0.0137	1	03/18/2019 17:47	WG1251625
n-Butylbenzene	U		0.00422	0.0137	1	03/19/2019 14:33	WG1252003
sec-Butylbenzene	U		0.00278	0.0137	1	03/18/2019 17:47	WG1251625
tert-Butylbenzene	U		0.00170	0.00550	1	03/18/2019 17:47	WG1251625
Carbon disulfide	U		0.00446	0.0137	1	03/18/2019 17:47	WG1251625
Carbon tetrachloride	U		0.00119	0.00550	1	03/18/2019 17:47	WG1251625
Chlorobenzene	U		0.000630	0.00275	1	03/18/2019 17:47	WG1251625
Chlorodibromomethane	U		0.000495	0.00275	1	03/18/2019 17:47	WG1251625
Chloroethane	U		0.00119	0.00550	1	03/18/2019 17:47	WG1251625
Chloroform	U		0.000456	0.00275	1	03/18/2019 17:47	WG1251625
Chloromethane	U		0.00153	0.0137	1	03/18/2019 17:47	WG1251625
2-Chlorotoluene	U		0.00101	0.00275	1	03/18/2019 17:47	WG1251625
4-Chlorotoluene	U		0.00124	0.00550	1	03/18/2019 17:47	WG1251625
1,2-Dibromo-3-Chloropropane	U		0.00561	0.0275	1	03/18/2019 17:47	WG1251625
1,2-Dibromoethane	U		0.000577	0.00275	1	03/18/2019 17:47	WG1251625
Dibromomethane	U		0.00110	0.00550	1	03/18/2019 17:47	WG1251625
1,2-Dichlorobenzene	U		0.00159	0.00550	1	03/18/2019 17:47	WG1251625
1,3-Dichlorobenzene	U		0.00187	0.00550	1	03/18/2019 17:47	WG1251625
1,4-Dichlorobenzene	U		0.00217	0.00550	1	03/18/2019 17:47	WG1251625
Dichlorodifluoromethane	U		0.000899	0.00275	1	03/18/2019 17:47	WG1251625
1,1-Dichloroethane	U		0.000632	0.00275	1	03/18/2019 17:47	WG1251625
1,2-Dichloroethane	U		0.000522	0.00275	1	03/18/2019 17:47	WG1251625
1,1-Dichloroethene	0.00288		0.000550	0.00275	1	03/18/2019 17:47	WG1251625
cis-1,2-Dichloroethene	0.713		0.000759	0.00275	1	03/18/2019 17:47	WG1251625
trans-1,2-Dichloroethene	U		0.00157	0.00550	1	03/18/2019 17:47	WG1251625
1,2-Dichloropropane	U		0.00140	0.00550	1	03/18/2019 17:47	WG1251625
1,1-Dichloropropene	U		0.000770	0.00275	1	03/18/2019 17:47	WG1251625
1,3-Dichloropropane	U		0.00192	0.00550	1	03/18/2019 17:47	WG1251625
cis-1,3-Dichloropropene	U		0.000745	0.00275	1	03/18/2019 17:47	WG1251625
trans-1,3-Dichloropropene	U		0.00168	0.00550	1	03/18/2019 17:47	WG1251625
trans-1,4-Dichloro-2-butene	U		0.00154	0.00550	1	03/18/2019 17:47	WG1251625
2,2-Dichloropropane	U		0.000872	0.00275	1	03/18/2019 17:47	WG1251625
Di-isopropyl ether	U		0.000385	0.00110	1	03/18/2019 17:47	WG1251625
Ethylbenzene	U		0.000583	0.00275	1	03/18/2019 17:47	WG1251625
Hexachloro-1,3-butadiene	U		0.0140	0.0275	1	03/19/2019 14:33	WG1252003
2-Hexanone	U		0.0110	0.0275	1	03/18/2019 17:47	WG1251625
n-Hexane	U		0.00117	0.00550	1	03/18/2019 17:47	WG1251625
Iodomethane	U		0.00665	0.0137	1	03/18/2019 17:47	WG1251625
Isopropylbenzene	U		0.000949	0.00275	1	03/18/2019 17:47	WG1251625
p-Isopropyltoluene	U		0.00256	0.00550	1	03/18/2019 17:47	WG1251625
2-Butanone (MEK)	U		0.0137	0.0275	1	03/18/2019 17:47	WG1251625
Methylene Chloride	U		0.00730	0.0275	1	03/18/2019 17:47	WG1251625
4-Methyl-2-pentanone (MIBK)	U		0.0110	0.0275	1	03/18/2019 17:47	WG1251625

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000324	0.00110	1	03/18/2019 17:47	WG1251625
Naphthalene	U		0.00343	0.0137	1	03/18/2019 17:47	WG1251625
n-Propylbenzene	U		0.00130	0.00550	1	03/18/2019 17:47	WG1251625
Styrene	U		0.00300	0.0137	1	03/18/2019 17:47	WG1251625
1,1,1,2-Tetrachloroethane	U		0.000550	0.00275	1	03/18/2019 17:47	WG1251625
1,1,2,2-Tetrachloroethane	U		0.000429	0.00275	1	03/18/2019 17:47	WG1251625
1,1,2-Trichlorotrifluoroethane	U		0.000742	0.00275	1	03/18/2019 17:47	WG1251625
Tetrachloroethene	0.00319		0.000770	0.00275	1	03/18/2019 17:47	WG1251625
Toluene	U		0.00137	0.00550	1	03/18/2019 17:47	WG1251625
1,2,3-Trichlorobenzene	U		0.000687	0.00275	1	03/19/2019 14:33	WG1252003
1,2,4-Trichlorobenzene	U		0.00530	0.0137	1	03/19/2019 14:33	WG1252003
1,1,1-Trichloroethane	U		0.000302	0.00275	1	03/18/2019 17:47	WG1251625
1,1,2-Trichloroethane	U		0.000971	0.00275	1	03/18/2019 17:47	WG1251625
Trichloroethene	0.0279		0.000440	0.00110	1	03/18/2019 17:47	WG1251625
Trichlorofluoromethane	U		0.000550	0.00275	1	03/18/2019 17:47	WG1251625
1,2,3-Trichloropropane	U		0.00561	0.0137	1	03/18/2019 17:47	WG1251625
1,2,4-Trimethylbenzene	U		0.00128	0.00550	1	03/18/2019 17:47	WG1251625
1,2,3-Trimethylbenzene	U		0.00126	0.00550	1	03/18/2019 17:47	WG1251625
1,3,5-Trimethylbenzene	U		0.00119	0.00550	1	03/18/2019 17:47	WG1251625
Vinyl acetate	U		0.00387	0.0137	1	03/18/2019 17:47	WG1251625
Vinyl chloride	0.00599		0.000751	0.00275	1	03/18/2019 17:47	WG1251625
Xylenes, Total	U		0.00526	0.00715	1	03/18/2019 17:47	WG1251625
(S) Toluene-d8	*96.8*			*75.0-131*		*03/18/2019 17:47*	WG1251625
(S) Toluene-d8	*94.0*			*75.0-131*		*03/19/2019 14:33*	WG1252003
(S) 4-Bromofluorobenzene	*90.7*			*67.0-138*		*03/18/2019 17:47*	WG1251625
(S) 4-Bromofluorobenzene	*81.6*			*67.0-138*		*03/19/2019 14:33*	WG1252003
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*03/18/2019 17:47*	WG1251625
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*03/19/2019 14:33*	WG1252003

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.8		1	03/19/2019 15:42	WG1252093

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0278	J J0	0.0160	0.0291	1	03/19/2019 14:53	WG1252003
Acrylonitrile	U		0.00221	0.0146	1	03/18/2019 18:09	WG1251625
Benzene	U		0.000466	0.00117	1	03/18/2019 18:09	WG1251625
Bromobenzene	U		0.00122	0.0146	1	03/18/2019 18:09	WG1251625
Bromodichloromethane	U		0.000919	0.00291	1	03/18/2019 18:09	WG1251625
Bromochloromethane	U		0.00132	0.00583	1	03/18/2019 18:09	WG1251625
Bromoform	U		0.00697	0.0291	1	03/18/2019 18:09	WG1251625
Bromomethane	U		0.00431	0.0146	1	03/18/2019 18:09	WG1251625
n-Butylbenzene	U		0.00448	0.0146	1	03/19/2019 14:53	WG1252003
sec-Butylbenzene	U		0.00295	0.0146	1	03/18/2019 18:09	WG1251625
tert-Butylbenzene	U		0.00181	0.00583	1	03/18/2019 18:09	WG1251625
Carbon disulfide	0.00566	J	0.00473	0.0146	1	03/18/2019 18:09	WG1251625
Carbon tetrachloride	U		0.00126	0.00583	1	03/18/2019 18:09	WG1251625
Chlorobenzene	U		0.000668	0.00291	1	03/18/2019 18:09	WG1251625
Chlorodibromomethane	U		0.000525	0.00291	1	03/18/2019 18:09	WG1251625
Chloroethane	U		0.00126	0.00583	1	03/18/2019 18:09	WG1251625
Chloroform	U		0.000484	0.00291	1	03/18/2019 18:09	WG1251625
Chloromethane	U		0.00162	0.0146	1	03/18/2019 18:09	WG1251625
2-Chlorotoluene	U		0.00107	0.00291	1	03/18/2019 18:09	WG1251625
4-Chlorotoluene	U		0.00132	0.00583	1	03/18/2019 18:09	WG1251625
1,2-Dibromo-3-Chloropropane	U		0.00595	0.0291	1	03/18/2019 18:09	WG1251625
1,2-Dibromoethane	U		0.000612	0.00291	1	03/18/2019 18:09	WG1251625
Dibromomethane	U		0.00117	0.00583	1	03/18/2019 18:09	WG1251625
1,2-Dichlorobenzene	U		0.00169	0.00583	1	03/18/2019 18:09	WG1251625
1,3-Dichlorobenzene	U		0.00198	0.00583	1	03/18/2019 18:09	WG1251625
1,4-Dichlorobenzene	U		0.00230	0.00583	1	03/18/2019 18:09	WG1251625
Dichlorodifluoromethane	U		0.000954	0.00291	1	03/18/2019 18:09	WG1251625
1,1-Dichloroethane	U		0.000670	0.00291	1	03/18/2019 18:09	WG1251625
1,2-Dichloroethane	U		0.000554	0.00291	1	03/18/2019 18:09	WG1251625
1,1-Dichloroethene	0.00492		0.000583	0.00291	1	03/18/2019 18:09	WG1251625
cis-1,2-Dichloroethene	2.31		0.000804	0.00291	1	03/18/2019 18:09	WG1251625
trans-1,2-Dichloroethene	0.00788		0.00167	0.00583	1	03/18/2019 18:09	WG1251625
1,2-Dichloropropane	U		0.00148	0.00583	1	03/18/2019 18:09	WG1251625
1,1-Dichloropropene	U		0.000816	0.00291	1	03/18/2019 18:09	WG1251625
1,3-Dichloropropane	U		0.00204	0.00583	1	03/18/2019 18:09	WG1251625
cis-1,3-Dichloropropene	U		0.000790	0.00291	1	03/18/2019 18:09	WG1251625
trans-1,3-Dichloropropene	U		0.00178	0.00583	1	03/18/2019 18:09	WG1251625
trans-1,4-Dichloro-2-butene	U		0.00163	0.00583	1	03/18/2019 18:09	WG1251625
2,2-Dichloropropane	U		0.000924	0.00291	1	03/18/2019 18:09	WG1251625
Di-isopropyl ether	U		0.000408	0.00117	1	03/18/2019 18:09	WG1251625
Ethylbenzene	U		0.000618	0.00291	1	03/18/2019 18:09	WG1251625
Hexachloro-1,3-butadiene	U		0.0148	0.0291	1	03/19/2019 14:53	WG1252003
2-Hexanone	U		0.0117	0.0291	1	03/18/2019 18:09	WG1251625
n-Hexane	U		0.00124	0.00583	1	03/18/2019 18:09	WG1251625
Iodomethane	U		0.00705	0.0146	1	03/18/2019 18:09	WG1251625
Isopropylbenzene	U		0.00101	0.00291	1	03/18/2019 18:09	WG1251625
p-Isopropyltoluene	U		0.00272	0.00583	1	03/18/2019 18:09	WG1251625
2-Butanone (MEK)	U		0.0146	0.0291	1	03/18/2019 18:09	WG1251625
Methylene Chloride	U		0.00774	0.0291	1	03/18/2019 18:09	WG1251625
4-Methyl-2-pentanone (MIBK)	U		0.0117	0.0291	1	03/18/2019 18:09	WG1251625

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		0.000344	0.00117	1	03/18/2019 18:09	WG1251625
Naphthalene	U		0.00364	0.0146	1	03/18/2019 18:09	WG1251625
n-Propylbenzene	U		0.00138	0.00583	1	03/18/2019 18:09	WG1251625
Styrene	U		0.00318	0.0146	1	03/18/2019 18:09	WG1251625
1,1,1,2-Tetrachloroethane	U		0.000583	0.00291	1	03/18/2019 18:09	WG1251625
1,1,2,2-Tetrachloroethane	U		0.000455	0.00291	1	03/18/2019 18:09	WG1251625
1,1,2-Trichlorotrifluoroethane	U		0.000787	0.00291	1	03/18/2019 18:09	WG1251625
Tetrachloroethene	0.321		0.000816	0.00291	1	03/18/2019 18:09	WG1251625
Toluene	U		0.00146	0.00583	1	03/18/2019 18:09	WG1251625
1,2,3-Trichlorobenzene	U		0.000729	0.00291	1	03/19/2019 14:53	WG1252003
1,2,4-Trichlorobenzene	U		0.00562	0.0146	1	03/19/2019 14:53	WG1252003
1,1,1-Trichloroethane	U		0.000321	0.00291	1	03/18/2019 18:09	WG1251625
1,1,2-Trichloroethane	U		0.00103	0.00291	1	03/18/2019 18:09	WG1251625
Trichloroethene	0.0276		0.000466	0.00117	1	03/18/2019 18:09	WG1251625
Trichlorofluoromethane	U		0.000583	0.00291	1	03/18/2019 18:09	WG1251625
1,2,3-Trichloropropane	U		0.00595	0.0146	1	03/18/2019 18:09	WG1251625
1,2,4-Trimethylbenzene	U		0.00135	0.00583	1	03/18/2019 18:09	WG1251625
1,2,3-Trimethylbenzene	U		0.00134	0.00583	1	03/18/2019 18:09	WG1251625
1,3,5-Trimethylbenzene	U		0.00126	0.00583	1	03/18/2019 18:09	WG1251625
Vinyl acetate	U		0.00410	0.0146	1	03/18/2019 18:09	WG1251625
Vinyl chloride	0.789		0.000796	0.00291	1	03/18/2019 18:09	WG1251625
Xylenes, Total	U		0.00557	0.00758	1	03/18/2019 18:09	WG1251625
(S) Toluene-d8	*95.2*			*75.0-131*		*03/18/2019 18:09*	WG1251625
(S) Toluene-d8	*94.2*			*75.0-131*		*03/19/2019 14:53*	WG1252003
(S) 4-Bromofluorobenzene	*88.4*			*67.0-138*		*03/18/2019 18:09*	WG1251625
(S) 4-Bromofluorobenzene	*81.2*			*67.0-138*		*03/19/2019 14:53*	WG1252003
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*03/18/2019 18:09*	WG1251625
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*03/19/2019 14:53*	WG1252003

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.6		1	03/19/2019 15:42	WG1252093

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0226	J JO	0.0146	0.0267	1	03/19/2019 15:13	WG1252003
Acrylonitrile	U		0.00203	0.0134	1	03/18/2019 18:31	WG1251625
Benzene	U		0.000428	0.00107	1	03/18/2019 18:31	WG1251625
Bromobenzene	U		0.00112	0.0134	1	03/18/2019 18:31	WG1251625
Bromodichloromethane	U		0.000842	0.00267	1	03/18/2019 18:31	WG1251625
Bromochloromethane	U		0.00121	0.00534	1	03/18/2019 18:31	WG1251625
Bromoform	U		0.00639	0.0267	1	03/18/2019 18:31	WG1251625
Bromomethane	U		0.00395	0.0134	1	03/18/2019 18:31	WG1251625
n-Butylbenzene	U		0.00410	0.0134	1	03/19/2019 15:13	WG1252003
sec-Butylbenzene	U		0.00270	0.0134	1	03/18/2019 18:31	WG1251625
tert-Butylbenzene	U		0.00166	0.00534	1	03/18/2019 18:31	WG1251625
Carbon disulfide	U		0.00434	0.0134	1	03/18/2019 18:31	WG1251625
Carbon tetrachloride	U		0.00115	0.00534	1	03/18/2019 18:31	WG1251625
Chlorobenzene	U		0.000612	0.00267	1	03/18/2019 18:31	WG1251625
Chlorodibromomethane	U		0.000481	0.00267	1	03/18/2019 18:31	WG1251625
Chloroethane	U		0.00115	0.00534	1	03/18/2019 18:31	WG1251625
Chloroform	U		0.000444	0.00267	1	03/18/2019 18:31	WG1251625
Chloromethane	U		0.00149	0.0134	1	03/18/2019 18:31	WG1251625
2-Chlorotoluene	U		0.000983	0.00267	1	03/18/2019 18:31	WG1251625
4-Chlorotoluene	U		0.00121	0.00534	1	03/18/2019 18:31	WG1251625
1,2-Dibromo-3-Chloropropane	U		0.00545	0.0267	1	03/18/2019 18:31	WG1251625
1,2-Dibromoethane	U		0.000561	0.00267	1	03/18/2019 18:31	WG1251625
Dibromomethane	U		0.00107	0.00534	1	03/18/2019 18:31	WG1251625
1,2-Dichlorobenzene	U		0.00155	0.00534	1	03/18/2019 18:31	WG1251625
1,3-Dichlorobenzene	U		0.00182	0.00534	1	03/18/2019 18:31	WG1251625
1,4-Dichlorobenzene	U		0.00211	0.00534	1	03/18/2019 18:31	WG1251625
Dichlorodifluoromethane	U		0.000874	0.00267	1	03/18/2019 18:31	WG1251625
1,1-Dichloroethane	U		0.000615	0.00267	1	03/18/2019 18:31	WG1251625
1,2-Dichloroethane	U		0.000508	0.00267	1	03/18/2019 18:31	WG1251625
1,1-Dichloroethene	0.00152	J	0.000534	0.00267	1	03/18/2019 18:31	WG1251625
cis-1,2-Dichloroethene	0.665		0.000738	0.00267	1	03/18/2019 18:31	WG1251625
trans-1,2-Dichloroethene	U		0.00153	0.00534	1	03/18/2019 18:31	WG1251625
1,2-Dichloropropane	U		0.00136	0.00534	1	03/18/2019 18:31	WG1251625
1,1-Dichloropropene	U		0.000748	0.00267	1	03/18/2019 18:31	WG1251625
1,3-Dichloropropane	U		0.00187	0.00534	1	03/18/2019 18:31	WG1251625
cis-1,3-Dichloropropene	U		0.000725	0.00267	1	03/18/2019 18:31	WG1251625
trans-1,3-Dichloropropene	U		0.00164	0.00534	1	03/18/2019 18:31	WG1251625
trans-1,4-Dichloro-2-butene	U		0.00150	0.00534	1	03/18/2019 18:31	WG1251625
2,2-Dichloropropane	U		0.000848	0.00267	1	03/18/2019 18:31	WG1251625
Di-isopropyl ether	U		0.000374	0.00107	1	03/18/2019 18:31	WG1251625
Ethylbenzene	U		0.000567	0.00267	1	03/18/2019 18:31	WG1251625
Hexachloro-1,3-butadiene	U		0.0136	0.0267	1	03/19/2019 15:13	WG1252003
2-Hexanone	U		0.0107	0.0267	1	03/18/2019 18:31	WG1251625
n-Hexane	U		0.00113	0.00534	1	03/18/2019 18:31	WG1251625
Iodomethane	U		0.00647	0.0134	1	03/18/2019 18:31	WG1251625
Isopropylbenzene	U		0.000922	0.00267	1	03/18/2019 18:31	WG1251625
p-Isopropyltoluene	U		0.00249	0.00534	1	03/18/2019 18:31	WG1251625
2-Butanone (MEK)	0.0157	J JO	0.0134	0.0267	1	03/18/2019 18:31	WG1251625
Methylene Chloride	U		0.00710	0.0267	1	03/18/2019 18:31	WG1251625
4-Methyl-2-pentanone (MIBK)	U		0.0107	0.0267	1	03/18/2019 18:31	WG1251625

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000315	0.00107	1	03/18/2019 18:31	WG1251625
Naphthalene	U		0.00333	0.0134	1	03/18/2019 18:31	WG1251625
n-Propylbenzene	U		0.00126	0.00534	1	03/18/2019 18:31	WG1251625
Styrene	U		0.00292	0.0134	1	03/18/2019 18:31	WG1251625
1,1,1,2-Tetrachloroethane	U		0.000534	0.00267	1	03/18/2019 18:31	WG1251625
1,1,2,2-Tetrachloroethane	U		0.000417	0.00267	1	03/18/2019 18:31	WG1251625
1,1,2-Trichlorotrifluoroethane	U		0.000721	0.00267	1	03/18/2019 18:31	WG1251625
Tetrachloroethene	0.598		0.000748	0.00267	1	03/18/2019 18:31	WG1251625
Toluene	U		0.00134	0.00534	1	03/18/2019 18:31	WG1251625
1,2,3-Trichlorobenzene	U		0.000668	0.00267	1	03/19/2019 15:13	WG1252003
1,2,4-Trichlorobenzene	U		0.00515	0.0134	1	03/19/2019 15:13	WG1252003
1,1,1-Trichloroethane	U		0.000294	0.00267	1	03/18/2019 18:31	WG1251625
1,1,2-Trichloroethane	U		0.000944	0.00267	1	03/18/2019 18:31	WG1251625
Trichloroethene	0.165		0.000428	0.00107	1	03/18/2019 18:31	WG1251625
Trichlorofluoromethane	U		0.000534	0.00267	1	03/18/2019 18:31	WG1251625
1,2,3-Trichloropropane	U		0.00545	0.0134	1	03/18/2019 18:31	WG1251625
1,2,4-Trimethylbenzene	U		0.00124	0.00534	1	03/18/2019 18:31	WG1251625
1,2,3-Trimethylbenzene	U		0.00123	0.00534	1	03/18/2019 18:31	WG1251625
1,3,5-Trimethylbenzene	U		0.00115	0.00534	1	03/18/2019 18:31	WG1251625
Vinyl acetate	U		0.00376	0.0134	1	03/18/2019 18:31	WG1251625
Vinyl chloride	0.0503		0.000730	0.00267	1	03/18/2019 18:31	WG1251625
Xylenes, Total	U		0.00511	0.00695	1	03/18/2019 18:31	WG1251625
(S) Toluene-d8	*95.4*			*75.0-131*		*03/18/2019 18:31*	WG1251625
(S) Toluene-d8	*92.9*			*75.0-131*		*03/19/2019 15:13*	WG1252003
(S) 4-Bromofluorobenzene	*91.3*			*67.0-138*		*03/18/2019 18:31*	WG1251625
(S) 4-Bromofluorobenzene	*82.0*			*67.0-138*		*03/19/2019 15:13*	WG1252003
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*03/18/2019 18:31*	WG1251625
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*03/19/2019 15:13*	WG1252003

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.9		1	03/19/2019 13:17	WG1252100

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0334	J0	0.0149	0.0272	1	03/19/2019 15:32	WG1252003
Acrylonitrile	U		0.00207	0.0136	1	03/18/2019 20:21	WG1251625
Benzene	0.000448	J	0.000435	0.00109	1	03/18/2019 20:21	WG1251625
Bromobenzene	U		0.00114	0.0136	1	03/18/2019 20:21	WG1251625
Bromodichloromethane	U		0.000857	0.00272	1	03/18/2019 20:21	WG1251625
Bromochloromethane	U		0.00123	0.00544	1	03/18/2019 20:21	WG1251625
Bromoform	U		0.00651	0.0272	1	03/18/2019 20:21	WG1251625
Bromomethane	U		0.00403	0.0136	1	03/18/2019 20:21	WG1251625
n-Butylbenzene	U		0.00418	0.0136	1	03/19/2019 15:32	WG1252003
sec-Butylbenzene	U		0.00275	0.0136	1	03/18/2019 20:21	WG1251625
tert-Butylbenzene	U		0.00169	0.00544	1	03/18/2019 20:21	WG1251625
Carbon disulfide	U		0.00442	0.0136	1	03/18/2019 20:21	WG1251625
Carbon tetrachloride	U		0.00118	0.00544	1	03/18/2019 20:21	WG1251625
Chlorobenzene	U		0.000623	0.00272	1	03/18/2019 20:21	WG1251625
Chlorodibromomethane	U		0.000490	0.00272	1	03/18/2019 20:21	WG1251625
Chloroethane	U		0.00118	0.00544	1	03/18/2019 20:21	WG1251625
Chloroform	U		0.000452	0.00272	1	03/18/2019 20:21	WG1251625
Chloromethane	U		0.00151	0.0136	1	03/18/2019 20:21	WG1251625
2-Chlorotoluene	U		0.00100	0.00272	1	03/18/2019 20:21	WG1251625
4-Chlorotoluene	U		0.00123	0.00544	1	03/18/2019 20:21	WG1251625
1,2-Dibromo-3-Chloropropane	U		0.00555	0.0272	1	03/18/2019 20:21	WG1251625
1,2-Dibromoethane	U		0.000571	0.00272	1	03/18/2019 20:21	WG1251625
Dibromomethane	U		0.00109	0.00544	1	03/18/2019 20:21	WG1251625
1,2-Dichlorobenzene	U		0.00158	0.00544	1	03/18/2019 20:21	WG1251625
1,3-Dichlorobenzene	U		0.00185	0.00544	1	03/18/2019 20:21	WG1251625
1,4-Dichlorobenzene	U		0.00214	0.00544	1	03/18/2019 20:21	WG1251625
Dichlorodifluoromethane	U		0.000890	0.00272	1	03/18/2019 20:21	WG1251625
1,1-Dichloroethane	U		0.000626	0.00272	1	03/18/2019 20:21	WG1251625
1,2-Dichloroethane	U		0.000517	0.00272	1	03/18/2019 20:21	WG1251625
1,1-Dichloroethene	0.000721	J	0.000544	0.00272	1	03/18/2019 20:21	WG1251625
cis-1,2-Dichloroethene	1.23		0.000751	0.00272	1	03/18/2019 20:21	WG1251625
trans-1,2-Dichloroethene	U		0.00156	0.00544	1	03/18/2019 20:21	WG1251625
1,2-Dichloropropane	U		0.00138	0.00544	1	03/18/2019 20:21	WG1251625
1,1-Dichloropropene	U		0.000762	0.00272	1	03/18/2019 20:21	WG1251625
1,3-Dichloropropane	U		0.00190	0.00544	1	03/18/2019 20:21	WG1251625
cis-1,3-Dichloropropene	U		0.000738	0.00272	1	03/18/2019 20:21	WG1251625
trans-1,3-Dichloropropene	U		0.00166	0.00544	1	03/18/2019 20:21	WG1251625
trans-1,4-Dichloro-2-butene	U		0.00152	0.00544	1	03/18/2019 20:21	WG1251625
2,2-Dichloropropane	U		0.000863	0.00272	1	03/18/2019 20:21	WG1251625
Di-isopropyl ether	U		0.000381	0.00109	1	03/18/2019 20:21	WG1251625
Ethylbenzene	0.00109	J	0.000577	0.00272	1	03/18/2019 20:21	WG1251625
Hexachloro-1,3-butadiene	U		0.0138	0.0272	1	03/19/2019 15:32	WG1252003
2-Hexanone	U		0.0109	0.0272	1	03/18/2019 20:21	WG1251625
n-Hexane	U		0.00115	0.00544	1	03/18/2019 20:21	WG1251625
Iodomethane	U		0.00658	0.0136	1	03/18/2019 20:21	WG1251625
Isopropylbenzene	U		0.000939	0.00272	1	03/18/2019 20:21	WG1251625
p-Isopropyltoluene	U		0.00254	0.00544	1	03/18/2019 20:21	WG1251625
2-Butanone (MEK)	0.0680	J0	0.0136	0.0272	1	03/18/2019 20:21	WG1251625
Methylene Chloride	U		0.00722	0.0272	1	03/18/2019 20:21	WG1251625
4-Methyl-2-pentanone (MIBK)	U		0.0109	0.0272	1	03/18/2019 20:21	WG1251625

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000321	0.00109	1	03/18/2019 20:21	WG1251625
Naphthalene	U		0.00339	0.0136	1	03/18/2019 20:21	WG1251625
n-Propylbenzene	U		0.00128	0.00544	1	03/18/2019 20:21	WG1251625
Styrene	U		0.00297	0.0136	1	03/18/2019 20:21	WG1251625
1,1,1,2-Tetrachloroethane	U		0.000544	0.00272	1	03/18/2019 20:21	WG1251625
1,1,2,2-Tetrachloroethane	U		0.000424	0.00272	1	03/18/2019 20:21	WG1251625
1,1,2-Trichlorotrifluoroethane	U		0.000734	0.00272	1	03/18/2019 20:21	WG1251625
Tetrachloroethene	0.884		0.000762	0.00272	1	03/18/2019 20:21	WG1251625
Toluene	0.00247	J	0.00136	0.00544	1	03/18/2019 20:21	WG1251625
1,2,3-Trichlorobenzene	U		0.000680	0.00272	1	03/19/2019 15:32	WG1252003
1,2,4-Trichlorobenzene	U		0.00524	0.0136	1	03/19/2019 15:32	WG1252003
1,1,1-Trichloroethane	U		0.000299	0.00272	1	03/18/2019 20:21	WG1251625
1,1,2-Trichloroethane	U		0.000961	0.00272	1	03/18/2019 20:21	WG1251625
Trichloroethene	0.0610		0.000435	0.00109	1	03/18/2019 20:21	WG1251625
Trichlorofluoromethane	U		0.000544	0.00272	1	03/18/2019 20:21	WG1251625
1,2,3-Trichloropropane	U		0.00555	0.0136	1	03/18/2019 20:21	WG1251625
1,2,4-Trimethylbenzene	0.00242	B J	0.00126	0.00544	1	03/18/2019 20:21	WG1251625
1,2,3-Trimethylbenzene	U		0.00125	0.00544	1	03/18/2019 20:21	WG1251625
1,3,5-Trimethylbenzene	U		0.00118	0.00544	1	03/18/2019 20:21	WG1251625
Vinyl acetate	U		0.00383	0.0136	1	03/18/2019 20:21	WG1251625
Vinyl chloride	0.0421		0.000743	0.00272	1	03/18/2019 20:21	WG1251625
Xylenes, Total	U		0.00520	0.00707	1	03/18/2019 20:21	WG1251625
(S) Toluene-d8	*96.8*			*75.0-131*		*03/18/2019 20:21*	WG1251625
(S) Toluene-d8	*94.2*			*75.0-131*		*03/19/2019 15:32*	WG1252003
(S) 4-Bromofluorobenzene	*90.2*			*67.0-138*		*03/18/2019 20:21*	WG1251625
(S) 4-Bromofluorobenzene	*81.7*			*67.0-138*		*03/19/2019 15:32*	WG1252003
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*03/18/2019 20:21*	WG1251625
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*03/19/2019 15:32*	WG1252003

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.7		1	03/19/2019 13:17	WG1252100

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.110	J J0	0.0673	0.123	4.6	03/19/2019 15:51	WG1252003
Acrylonitrile	U		0.00933	0.0614	4.6	03/18/2019 20:43	WG1251625
Benzene	U		0.00196	0.00491	4.6	03/18/2019 20:43	WG1251625
Bromobenzene	U		0.00516	0.0614	4.6	03/18/2019 20:43	WG1251625
Bromodichloromethane	U		0.00386	0.0123	4.6	03/18/2019 20:43	WG1251625
Bromochloromethane	U		0.00555	0.0246	4.6	03/18/2019 20:43	WG1251625
Bromoform	U		0.0294	0.123	4.6	03/18/2019 20:43	WG1251625
Bromomethane	U		0.0181	0.0614	4.6	03/18/2019 20:43	WG1251625
n-Butylbenzene	U		0.0189	0.0614	4.6	03/19/2019 15:51	WG1252003
sec-Butylbenzene	U		0.0124	0.0614	4.6	03/18/2019 20:43	WG1251625
tert-Butylbenzene	U		0.00761	0.0246	4.6	03/18/2019 20:43	WG1251625
Carbon disulfide	U		0.0200	0.0614	4.6	03/18/2019 20:43	WG1251625
Carbon tetrachloride	U		0.00531	0.0246	4.6	03/18/2019 20:43	WG1251625
Chlorobenzene	U		0.00282	0.0123	4.6	03/18/2019 20:43	WG1251625
Chlorodibromomethane	U		0.00221	0.0123	4.6	03/18/2019 20:43	WG1251625
Chloroethane	U		0.00531	0.0246	4.6	03/18/2019 20:43	WG1251625
Chloroform	U		0.00204	0.0123	4.6	03/18/2019 20:43	WG1251625
Chloromethane	U		0.00682	0.0614	4.6	03/18/2019 20:43	WG1251625
2-Chlorotoluene	U		0.00452	0.0123	4.6	03/18/2019 20:43	WG1251625
4-Chlorotoluene	U		0.00555	0.0246	4.6	03/18/2019 20:43	WG1251625
1,2-Dibromo-3-Chloropropane	U		0.0251	0.123	4.6	03/18/2019 20:43	WG1251625
1,2-Dibromoethane	U		0.00258	0.0123	4.6	03/18/2019 20:43	WG1251625
Dibromomethane	U		0.00491	0.0246	4.6	03/18/2019 20:43	WG1251625
1,2-Dichlorobenzene	U		0.00712	0.0246	4.6	03/18/2019 20:43	WG1251625
1,3-Dichlorobenzene	U		0.00835	0.0246	4.6	03/18/2019 20:43	WG1251625
1,4-Dichlorobenzene	U		0.00967	0.0246	4.6	03/18/2019 20:43	WG1251625
Dichlorodifluoromethane	U		0.00401	0.0123	4.6	03/18/2019 20:43	WG1251625
1,1-Dichloroethane	U		0.00282	0.0123	4.6	03/18/2019 20:43	WG1251625
1,2-Dichloroethane	U		0.00233	0.0123	4.6	03/18/2019 20:43	WG1251625
1,1-Dichloroethene	U		0.00246	0.0123	4.6	03/18/2019 20:43	WG1251625
cis-1,2-Dichloroethene	U		0.00338	0.0123	4.6	03/18/2019 20:43	WG1251625
trans-1,2-Dichloroethene	U		0.00702	0.0246	4.6	03/18/2019 20:43	WG1251625
1,2-Dichloropropane	U		0.00623	0.0246	4.6	03/18/2019 20:43	WG1251625
1,1-Dichloropropene	U		0.00344	0.0123	4.6	03/18/2019 20:43	WG1251625
1,3-Dichloropropane	U		0.00859	0.0246	4.6	03/18/2019 20:43	WG1251625
cis-1,3-Dichloropropene	U		0.00333	0.0123	4.6	03/18/2019 20:43	WG1251625
trans-1,3-Dichloropropene	U		0.00752	0.0246	4.6	03/18/2019 20:43	WG1251625
trans-1,4-Dichloro-2-butene	U		0.00688	0.0246	4.6	03/18/2019 20:43	WG1251625
2,2-Dichloropropane	U		0.00390	0.0123	4.6	03/18/2019 20:43	WG1251625
Di-isopropyl ether	U		0.00172	0.00491	4.6	03/18/2019 20:43	WG1251625
Ethylbenzene	U		0.00260	0.0123	4.6	03/18/2019 20:43	WG1251625
Hexachloro-1,3-butadiene	U		0.0623	0.123	4.6	03/19/2019 15:51	WG1252003
2-Hexanone	U		0.0491	0.123	4.6	03/18/2019 20:43	WG1251625
n-Hexane	U		0.00521	0.0246	4.6	03/18/2019 20:43	WG1251625
Iodomethane	U		0.0297	0.0614	4.6	03/18/2019 20:43	WG1251625
Isopropylbenzene	U		0.00424	0.0123	4.6	03/18/2019 20:43	WG1251625
p-Isopropyltoluene	U		0.0114	0.0246	4.6	03/18/2019 20:43	WG1251625
2-Butanone (MEK)	U		0.0614	0.123	4.6	03/18/2019 20:43	WG1251625
Methylene Chloride	U		0.0326	0.123	4.6	03/18/2019 20:43	WG1251625
4-Methyl-2-pentanone (MIBK)	U		0.0491	0.123	4.6	03/18/2019 20:43	WG1251625

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		0.00145	0.00491	4.6	03/18/2019 20:43	WG1251625
Naphthalene	U		0.0154	0.0614	4.6	03/18/2019 20:43	WG1251625
n-Propylbenzene	U		0.00580	0.0246	4.6	03/18/2019 20:43	WG1251625
Styrene	U		0.0135	0.0614	4.6	03/18/2019 20:43	WG1251625
1,1,1,2-Tetrachloroethane	U		0.00246	0.0123	4.6	03/18/2019 20:43	WG1251625
1,1,2,2-Tetrachloroethane	U		0.00191	0.0123	4.6	03/18/2019 20:43	WG1251625
1,1,2-Trichlorotrifluoroethane	U		0.00331	0.0123	4.6	03/18/2019 20:43	WG1251625
Tetrachloroethene	0.00483	J	0.00344	0.0123	4.6	03/18/2019 20:43	WG1251625
Toluene	U		0.00614	0.0246	4.6	03/18/2019 20:43	WG1251625
1,2,3-Trichlorobenzene	U		0.00307	0.0123	4.6	03/19/2019 15:51	WG1252003
1,2,4-Trichlorobenzene	U		0.0237	0.0614	4.6	03/19/2019 15:51	WG1252003
1,1,1-Trichloroethane	U		0.00135	0.0123	4.6	03/18/2019 20:43	WG1251625
1,1,2-Trichloroethane	U		0.00433	0.0123	4.6	03/18/2019 20:43	WG1251625
Trichloroethene	U		0.00196	0.00491	4.6	03/18/2019 20:43	WG1251625
Trichlorofluoromethane	U		0.00246	0.0123	4.6	03/18/2019 20:43	WG1251625
1,2,3-Trichloropropane	U		0.0251	0.0614	4.6	03/18/2019 20:43	WG1251625
1,2,4-Trimethylbenzene	U		0.00570	0.0246	4.6	03/18/2019 20:43	WG1251625
1,2,3-Trimethylbenzene	U		0.00565	0.0246	4.6	03/18/2019 20:43	WG1251625
1,3,5-Trimethylbenzene	U		0.00531	0.0246	4.6	03/18/2019 20:43	WG1251625
Vinyl acetate	U		0.0173	0.0614	4.6	03/18/2019 20:43	WG1251625
Vinyl chloride	U		0.00335	0.0123	4.6	03/18/2019 20:43	WG1251625
Xylenes, Total	U		0.0235	0.0319	4.6	03/18/2019 20:43	WG1251625
(S) Toluene-d8	*97.9*			*75.0-131*		*03/18/2019 20:43*	WG1251625
(S) Toluene-d8	*92.7*			*75.0-131*		*03/19/2019 15:51*	WG1252003
(S) 4-Bromofluorobenzene	*94.5*			*67.0-138*		*03/18/2019 20:43*	WG1251625
(S) 4-Bromofluorobenzene	*79.6*			*67.0-138*		*03/19/2019 15:51*	WG1252003
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*03/18/2019 20:43*	WG1251625
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*03/19/2019 15:51*	WG1252003

Sample Narrative:

L1079417-09 WG1252003: Lowest possible dilution due to limited sample volume.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.0		1	03/19/2019 13:17	WG1252100

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0192	J J0	0.0146	0.0266	1	03/19/2019 16:11	WG1252003
Acrylonitrile	U		0.00202	0.0133	1	03/18/2019 21:06	WG1251625
Benzene	U		0.000426	0.00106	1	03/18/2019 21:06	WG1251625
Bromobenzene	U		0.00112	0.0133	1	03/18/2019 21:06	WG1251625
Bromodichloromethane	U		0.000839	0.00266	1	03/18/2019 21:06	WG1251625
Bromochloromethane	U		0.00120	0.00532	1	03/18/2019 21:06	WG1251625
Bromoform	U		0.00636	0.0266	1	03/18/2019 21:06	WG1251625
Bromomethane	U		0.00394	0.0133	1	03/18/2019 21:06	WG1251625
n-Butylbenzene	U		0.00409	0.0133	1	03/19/2019 16:11	WG1252003
sec-Butylbenzene	U		0.00269	0.0133	1	03/18/2019 21:06	WG1251625
tert-Butylbenzene	U		0.00165	0.00532	1	03/18/2019 21:06	WG1251625
Carbon disulfide	0.00501	J	0.00432	0.0133	1	03/18/2019 21:06	WG1251625
Carbon tetrachloride	U		0.00115	0.00532	1	03/18/2019 21:06	WG1251625
Chlorobenzene	U		0.000610	0.00266	1	03/18/2019 21:06	WG1251625
Chlorodibromomethane	U		0.000479	0.00266	1	03/18/2019 21:06	WG1251625
Chloroethane	U		0.00115	0.00532	1	03/18/2019 21:06	WG1251625
Chloroform	U		0.000442	0.00266	1	03/18/2019 21:06	WG1251625
Chloromethane	U		0.00148	0.0133	1	03/18/2019 21:06	WG1251625
2-Chlorotoluene	U		0.000979	0.00266	1	03/18/2019 21:06	WG1251625
4-Chlorotoluene	U		0.00120	0.00532	1	03/18/2019 21:06	WG1251625
1,2-Dibromo-3-Chloropropane	U		0.00543	0.0266	1	03/18/2019 21:06	WG1251625
1,2-Dibromoethane	U		0.000559	0.00266	1	03/18/2019 21:06	WG1251625
Dibromomethane	U		0.00106	0.00532	1	03/18/2019 21:06	WG1251625
1,2-Dichlorobenzene	U		0.00154	0.00532	1	03/18/2019 21:06	WG1251625
1,3-Dichlorobenzene	U		0.00181	0.00532	1	03/18/2019 21:06	WG1251625
1,4-Dichlorobenzene	U		0.00210	0.00532	1	03/18/2019 21:06	WG1251625
Dichlorodifluoromethane	U		0.000870	0.00266	1	03/18/2019 21:06	WG1251625
1,1-Dichloroethane	U		0.000612	0.00266	1	03/18/2019 21:06	WG1251625
1,2-Dichloroethane	U		0.000505	0.00266	1	03/18/2019 21:06	WG1251625
1,1-Dichloroethene	U		0.000532	0.00266	1	03/18/2019 21:06	WG1251625
cis-1,2-Dichloroethene	0.000940	J	0.000734	0.00266	1	03/18/2019 21:06	WG1251625
trans-1,2-Dichloroethene	U		0.00152	0.00532	1	03/18/2019 21:06	WG1251625
1,2-Dichloropropane	U		0.00135	0.00532	1	03/18/2019 21:06	WG1251625
1,1-Dichloropropene	U		0.000745	0.00266	1	03/18/2019 21:06	WG1251625
1,3-Dichloropropane	U		0.00186	0.00532	1	03/18/2019 21:06	WG1251625
cis-1,3-Dichloropropene	U		0.000721	0.00266	1	03/18/2019 21:06	WG1251625
trans-1,3-Dichloropropene	U		0.00163	0.00532	1	03/18/2019 21:06	WG1251625
trans-1,4-Dichloro-2-butene	U		0.00149	0.00532	1	03/18/2019 21:06	WG1251625
2,2-Dichloropropane	U		0.000844	0.00266	1	03/18/2019 21:06	WG1251625
Di-isopropyl ether	U		0.000372	0.00106	1	03/18/2019 21:06	WG1251625
Ethylbenzene	U		0.000564	0.00266	1	03/18/2019 21:06	WG1251625
Hexachloro-1,3-butadiene	U		0.0135	0.0266	1	03/19/2019 16:11	WG1252003
2-Hexanone	U		0.0106	0.0266	1	03/18/2019 21:06	WG1251625
n-Hexane	U		0.00113	0.00532	1	03/18/2019 21:06	WG1251625
Iodomethane	U		0.00644	0.0133	1	03/18/2019 21:06	WG1251625
Isopropylbenzene	U		0.000918	0.00266	1	03/18/2019 21:06	WG1251625
p-Isopropyltoluene	U		0.00248	0.00532	1	03/18/2019 21:06	WG1251625
2-Butanone (MEK)	U		0.0133	0.0266	1	03/18/2019 21:06	WG1251625
Methylene Chloride	U		0.00707	0.0266	1	03/18/2019 21:06	WG1251625
4-Methyl-2-pentanone (MIBK)	U		0.0106	0.0266	1	03/18/2019 21:06	WG1251625

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

Analyte	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	0.00106	1	03/18/2019 21:06	WG1251625
Naphthalene	U		0.00332	0.0133	1	03/18/2019 21:06	WG1251625
n-Propylbenzene	U		0.00126	0.00532	1	03/18/2019 21:06	WG1251625
Styrene	U		0.00290	0.0133	1	03/18/2019 21:06	WG1251625
1,1,1,2-Tetrachloroethane	U		0.000532	0.00266	1	03/18/2019 21:06	WG1251625
1,1,2,2-Tetrachloroethane	U		0.000415	0.00266	1	03/18/2019 21:06	WG1251625
1,1,2-Trichlorotrifluoroethane	U		0.000718	0.00266	1	03/18/2019 21:06	WG1251625
Tetrachloroethene	0.00112	J	0.000745	0.00266	1	03/18/2019 21:06	WG1251625
Toluene	0.00152	J	0.00133	0.00532	1	03/18/2019 21:06	WG1251625
1,2,3-Trichlorobenzene	U		0.000665	0.00266	1	03/19/2019 16:11	WG1252003
1,2,4-Trichlorobenzene	U		0.00513	0.0133	1	03/19/2019 16:11	WG1252003
1,1,1-Trichloroethane	U		0.000293	0.00266	1	03/18/2019 21:06	WG1251625
1,1,2-Trichloroethane	U		0.000940	0.00266	1	03/18/2019 21:06	WG1251625
Trichloroethene	U		0.000426	0.00106	1	03/18/2019 21:06	WG1251625
Trichlorofluoromethane	U		0.000532	0.00266	1	03/18/2019 21:06	WG1251625
1,2,3-Trichloropropane	U		0.00543	0.0133	1	03/18/2019 21:06	WG1251625
1,2,4-Trimethylbenzene	0.00136	B J	0.00123	0.00532	1	03/18/2019 21:06	WG1251625
1,2,3-Trimethylbenzene	U		0.00122	0.00532	1	03/18/2019 21:06	WG1251625
1,3,5-Trimethylbenzene	U		0.00115	0.00532	1	03/18/2019 21:06	WG1251625
Vinyl acetate	U		0.00375	0.0133	1	03/18/2019 21:06	WG1251625
Vinyl chloride	U		0.000727	0.00266	1	03/18/2019 21:06	WG1251625
Xylenes, Total	U		0.00509	0.00692	1	03/18/2019 21:06	WG1251625
(S) Toluene-d8	*95.0*			*75.0-131*		*03/18/2019 21:06*	WG1251625
(S) Toluene-d8	*93.9*			*75.0-131*		*03/19/2019 16:11*	WG1252003
(S) 4-Bromofluorobenzene	*89.4*			*67.0-138*		*03/18/2019 21:06*	WG1251625
(S) 4-Bromofluorobenzene	*81.9*			*67.0-138*		*03/19/2019 16:11*	WG1252003
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*03/18/2019 21:06*	WG1251625
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*03/19/2019 16:11*	WG1252003

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.4		1	03/19/2019 13:17	WG1252100

Volatile Organic Compounds (GC/MS) 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	0.0150	0.0274	1	03/19/2019 16:30	WG1252003
Acrylonitrile	U		0.00208	0.0137	1	03/18/2019 21:28	WG1251625
Benzene	U		0.000438	0.00109	1	03/18/2019 21:28	WG1251625
Bromobenzene	U		0.00115	0.0137	1	03/18/2019 21:28	WG1251625
Bromodichloromethane	U		0.000862	0.00274	1	03/18/2019 21:28	WG1251625
Bromochloromethane	U		0.00124	0.00547	1	03/18/2019 21:28	WG1251625
Bromoform	U		0.00654	0.0274	1	03/18/2019 21:28	WG1251625
Bromomethane	U		0.00405	0.0137	1	03/18/2019 21:28	WG1251625
n-Butylbenzene	U		0.00420	0.0137	1	03/19/2019 16:30	WG1252003
sec-Butylbenzene	U		0.00277	0.0137	1	03/18/2019 21:28	WG1251625
tert-Butylbenzene	U		0.00170	0.00547	1	03/18/2019 21:28	WG1251625
Carbon disulfide	U		0.00444	0.0137	1	03/18/2019 21:28	WG1251625
Carbon tetrachloride	U		0.00118	0.00547	1	03/18/2019 21:28	WG1251625
Chlorobenzene	U		0.000627	0.00274	1	03/18/2019 21:28	WG1251625
Chlorodibromomethane	U		0.000492	0.00274	1	03/18/2019 21:28	WG1251625
Chloroethane	U		0.00118	0.00547	1	03/18/2019 21:28	WG1251625
Chloroform	U		0.000454	0.00274	1	03/18/2019 21:28	WG1251625
Chloromethane	U		0.00152	0.0137	1	03/18/2019 21:28	WG1251625
2-Chlorotoluene	U		0.00101	0.00274	1	03/18/2019 21:28	WG1251625
4-Chlorotoluene	U		0.00124	0.00547	1	03/18/2019 21:28	WG1251625
1,2-Dibromo-3-Chloropropane	U		0.00558	0.0274	1	03/18/2019 21:28	WG1251625
1,2-Dibromoethane	U		0.000574	0.00274	1	03/18/2019 21:28	WG1251625
Dibromomethane	U		0.00109	0.00547	1	03/18/2019 21:28	WG1251625
1,2-Dichlorobenzene	U		0.00159	0.00547	1	03/18/2019 21:28	WG1251625
1,3-Dichlorobenzene	U		0.00186	0.00547	1	03/18/2019 21:28	WG1251625
1,4-Dichlorobenzene	U		0.00216	0.00547	1	03/18/2019 21:28	WG1251625
Dichlorodifluoromethane	U		0.000895	0.00274	1	03/18/2019 21:28	WG1251625
1,1-Dichloroethane	U		0.000629	0.00274	1	03/18/2019 21:28	WG1251625
1,2-Dichloroethane	U		0.000520	0.00274	1	03/18/2019 21:28	WG1251625
1,1-Dichloroethene	U		0.000547	0.00274	1	03/18/2019 21:28	WG1251625
cis-1,2-Dichloroethene	U		0.000755	0.00274	1	03/18/2019 21:28	WG1251625
trans-1,2-Dichloroethene	U		0.00156	0.00547	1	03/18/2019 21:28	WG1251625
1,2-Dichloropropane	U		0.00139	0.00547	1	03/18/2019 21:28	WG1251625
1,1-Dichloropropene	U		0.000766	0.00274	1	03/18/2019 21:28	WG1251625
1,3-Dichloropropane	U		0.00191	0.00547	1	03/18/2019 21:28	WG1251625
cis-1,3-Dichloropropene	U		0.000742	0.00274	1	03/18/2019 21:28	WG1251625
trans-1,3-Dichloropropene	U		0.00167	0.00547	1	03/18/2019 21:28	WG1251625
trans-1,4-Dichloro-2-butene	U		0.00153	0.00547	1	03/18/2019 21:28	WG1251625
2,2-Dichloropropane	U		0.000868	0.00274	1	03/18/2019 21:28	WG1251625
Di-isopropyl ether	U		0.000383	0.00109	1	03/18/2019 21:28	WG1251625
Ethylbenzene	U		0.000580	0.00274	1	03/18/2019 21:28	WG1251625
Hexachloro-1,3-butadiene	U		0.0139	0.0274	1	03/19/2019 16:30	WG1252003
2-Hexanone	U		0.0109	0.0274	1	03/18/2019 21:28	WG1251625
n-Hexane	U		0.00116	0.00547	1	03/18/2019 21:28	WG1251625
Iodomethane	U		0.00662	0.0137	1	03/18/2019 21:28	WG1251625
Isopropylbenzene	U		0.000944	0.00274	1	03/18/2019 21:28	WG1251625
p-Isopropyltoluene	U		0.00255	0.00547	1	03/18/2019 21:28	WG1251625
2-Butanone (MEK)	0.0226	J J0	0.0137	0.0274	1	03/18/2019 21:28	WG1251625
Methylene Chloride	U		0.00727	0.0274	1	03/18/2019 21:28	WG1251625
4-Methyl-2-pentanone (MIBK)	U		0.0109	0.0274	1	03/18/2019 21:28	WG1251625

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		0.000323	0.00109	1	03/18/2019 21:28	WG1251625
Naphthalene	U		0.00341	0.0137	1	03/18/2019 21:28	WG1251625
n-Propylbenzene	U		0.00129	0.00547	1	03/18/2019 21:28	WG1251625
Styrene	U		0.00299	0.0137	1	03/18/2019 21:28	WG1251625
1,1,1,2-Tetrachloroethane	U		0.000547	0.00274	1	03/18/2019 21:28	WG1251625
1,1,2,2-Tetrachloroethane	U		0.000427	0.00274	1	03/18/2019 21:28	WG1251625
1,1,2-Trichlorotrifluoroethane	U		0.000739	0.00274	1	03/18/2019 21:28	WG1251625
Tetrachloroethene	U		0.000766	0.00274	1	03/18/2019 21:28	WG1251625
Toluene	U		0.00137	0.00547	1	03/18/2019 21:28	WG1251625
1,2,3-Trichlorobenzene	U		0.000684	0.00274	1	03/19/2019 16:30	WG1252003
1,2,4-Trichlorobenzene	U		0.00527	0.0137	1	03/19/2019 16:30	WG1252003
1,1,1-Trichloroethane	U		0.000301	0.00274	1	03/18/2019 21:28	WG1251625
1,1,2-Trichloroethane	U		0.000966	0.00274	1	03/18/2019 21:28	WG1251625
Trichloroethene	U		0.000438	0.00109	1	03/18/2019 21:28	WG1251625
Trichlorofluoromethane	U		0.000547	0.00274	1	03/18/2019 21:28	WG1251625
1,2,3-Trichloropropane	U		0.00558	0.0137	1	03/18/2019 21:28	WG1251625
1,2,4-Trimethylbenzene	U		0.00127	0.00547	1	03/18/2019 21:28	WG1251625
1,2,3-Trimethylbenzene	U		0.00126	0.00547	1	03/18/2019 21:28	WG1251625
1,3,5-Trimethylbenzene	U		0.00118	0.00547	1	03/18/2019 21:28	WG1251625
Vinyl acetate	U		0.00385	0.0137	1	03/18/2019 21:28	WG1251625
Vinyl chloride	U		0.000747	0.00274	1	03/18/2019 21:28	WG1251625
Xylenes, Total	U		0.00523	0.00711	1	03/18/2019 21:28	WG1251625
(S) Toluene-d8	*95.4*			*75.0-131*		*03/18/2019 21:28*	WG1251625
(S) Toluene-d8	*95.3*			*75.0-131*		*03/19/2019 16:30*	WG1252003
(S) 4-Bromofluorobenzene	*92.0*			*67.0-138*		*03/18/2019 21:28*	WG1251625
(S) 4-Bromofluorobenzene	*78.4*			*67.0-138*		*03/19/2019 16:30*	WG1252003
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*03/18/2019 21:28*	WG1251625
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*03/19/2019 16:30*	WG1252003

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.2		1	03/19/2019 13:17	WG1252100

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0287	J0	0.0154	0.0280	1	03/19/2019 16:50	WG1252003
Acrylonitrile	U		0.00213	0.0140	1	03/18/2019 21:50	WG1251625
Benzene	0.000766	J	0.000448	0.00112	1	03/18/2019 21:50	WG1251625
Bromobenzene	U		0.00118	0.0140	1	03/18/2019 21:50	WG1251625
Bromodichloromethane	U		0.000883	0.00280	1	03/18/2019 21:50	WG1251625
Bromochloromethane	U		0.00127	0.00560	1	03/18/2019 21:50	WG1251625
Bromoform	U		0.00670	0.0280	1	03/18/2019 21:50	WG1251625
Bromomethane	U		0.00415	0.0140	1	03/18/2019 21:50	WG1251625
n-Butylbenzene	U		0.00430	0.0140	1	03/19/2019 16:50	WG1252003
sec-Butylbenzene	U		0.00284	0.0140	1	03/18/2019 21:50	WG1251625
tert-Butylbenzene	U		0.00174	0.00560	1	03/18/2019 21:50	WG1251625
Carbon disulfide	U		0.00455	0.0140	1	03/18/2019 21:50	WG1251625
Carbon tetrachloride	U		0.00121	0.00560	1	03/18/2019 21:50	WG1251625
Chlorobenzene	U		0.000642	0.00280	1	03/18/2019 21:50	WG1251625
Chlorodibromomethane	U		0.000504	0.00280	1	03/18/2019 21:50	WG1251625
Chloroethane	U		0.00121	0.00560	1	03/18/2019 21:50	WG1251625
Chloroform	U		0.000465	0.00280	1	03/18/2019 21:50	WG1251625
Chloromethane	U		0.00156	0.0140	1	03/18/2019 21:50	WG1251625
2-Chlorotoluene	U		0.00103	0.00280	1	03/18/2019 21:50	WG1251625
4-Chlorotoluene	U		0.00127	0.00560	1	03/18/2019 21:50	WG1251625
1,2-Dibromo-3-Chloropropane	U		0.00572	0.0280	1	03/18/2019 21:50	WG1251625
1,2-Dibromoethane	U		0.000589	0.00280	1	03/18/2019 21:50	WG1251625
Dibromomethane	U		0.00112	0.00560	1	03/18/2019 21:50	WG1251625
1,2-Dichlorobenzene	U		0.00163	0.00560	1	03/18/2019 21:50	WG1251625
1,3-Dichlorobenzene	U		0.00191	0.00560	1	03/18/2019 21:50	WG1251625
1,4-Dichlorobenzene	U		0.00221	0.00560	1	03/18/2019 21:50	WG1251625
Dichlorodifluoromethane	U		0.000917	0.00280	1	03/18/2019 21:50	WG1251625
1,1-Dichloroethane	U		0.000645	0.00280	1	03/18/2019 21:50	WG1251625
1,2-Dichloroethane	U		0.000532	0.00280	1	03/18/2019 21:50	WG1251625
1,1-Dichloroethene	U		0.000560	0.00280	1	03/18/2019 21:50	WG1251625
cis-1,2-Dichloroethene	U		0.000773	0.00280	1	03/18/2019 21:50	WG1251625
trans-1,2-Dichloroethene	U		0.00160	0.00560	1	03/18/2019 21:50	WG1251625
1,2-Dichloropropane	U		0.00142	0.00560	1	03/18/2019 21:50	WG1251625
1,1-Dichloropropene	U		0.000785	0.00280	1	03/18/2019 21:50	WG1251625
1,3-Dichloropropane	U		0.00196	0.00560	1	03/18/2019 21:50	WG1251625
cis-1,3-Dichloropropene	U		0.000760	0.00280	1	03/18/2019 21:50	WG1251625
trans-1,3-Dichloropropene	U		0.00172	0.00560	1	03/18/2019 21:50	WG1251625
trans-1,4-Dichloro-2-butene	U		0.00157	0.00560	1	03/18/2019 21:50	WG1251625
2,2-Dichloropropane	U		0.000889	0.00280	1	03/18/2019 21:50	WG1251625
Di-isopropyl ether	U		0.000392	0.00112	1	03/18/2019 21:50	WG1251625
Ethylbenzene	U		0.000594	0.00280	1	03/18/2019 21:50	WG1251625
Hexachloro-1,3-butadiene	U		0.0142	0.0280	1	03/19/2019 16:50	WG1252003
2-Hexanone	U		0.0112	0.0280	1	03/18/2019 21:50	WG1251625
n-Hexane	U		0.00119	0.00560	1	03/18/2019 21:50	WG1251625
Iodomethane	U		0.00678	0.0140	1	03/18/2019 21:50	WG1251625
Isopropylbenzene	U		0.000967	0.00280	1	03/18/2019 21:50	WG1251625
p-Isopropyltoluene	U		0.00261	0.00560	1	03/18/2019 21:50	WG1251625
2-Butanone (MEK)	0.0212	J J0	0.0140	0.0280	1	03/18/2019 21:50	WG1251625
Methylene Chloride	U		0.00744	0.0280	1	03/18/2019 21:50	WG1251625
4-Methyl-2-pentanone (MIBK)	U		0.0112	0.0280	1	03/18/2019 21:50	WG1251625

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		0.000331	0.00112	1	03/18/2019 21:50	WG1251625
Naphthalene	U		0.00350	0.0140	1	03/18/2019 21:50	WG1251625
n-Propylbenzene	U		0.00132	0.00560	1	03/18/2019 21:50	WG1251625
Styrene	U		0.00306	0.0140	1	03/18/2019 21:50	WG1251625
1,1,1,2-Tetrachloroethane	U		0.000560	0.00280	1	03/18/2019 21:50	WG1251625
1,1,2,2-Tetrachloroethane	U		0.000437	0.00280	1	03/18/2019 21:50	WG1251625
1,1,2-Trichlorotrifluoroethane	U		0.000757	0.00280	1	03/18/2019 21:50	WG1251625
Tetrachloroethene	U		0.000785	0.00280	1	03/18/2019 21:50	WG1251625
Toluene	0.00207	J	0.00140	0.00560	1	03/18/2019 21:50	WG1251625
1,2,3-Trichlorobenzene	U		0.000701	0.00280	1	03/19/2019 16:50	WG1252003
1,2,4-Trichlorobenzene	U		0.00540	0.0140	1	03/19/2019 16:50	WG1252003
1,1,1-Trichloroethane	U		0.000308	0.00280	1	03/18/2019 21:50	WG1251625
1,1,2-Trichloroethane	U		0.000990	0.00280	1	03/18/2019 21:50	WG1251625
Trichloroethene	U		0.000448	0.00112	1	03/18/2019 21:50	WG1251625
Trichlorofluoromethane	U		0.000560	0.00280	1	03/18/2019 21:50	WG1251625
1,2,3-Trichloropropane	U		0.00572	0.0140	1	03/18/2019 21:50	WG1251625
1,2,4-Trimethylbenzene	0.00140	B J	0.00130	0.00560	1	03/18/2019 21:50	WG1251625
1,2,3-Trimethylbenzene	U		0.00129	0.00560	1	03/18/2019 21:50	WG1251625
1,3,5-Trimethylbenzene	U		0.00121	0.00560	1	03/18/2019 21:50	WG1251625
Vinyl acetate	U		0.00395	0.0140	1	03/18/2019 21:50	WG1251625
Vinyl chloride	U		0.000766	0.00280	1	03/18/2019 21:50	WG1251625
Xylenes, Total	U		0.00536	0.00729	1	03/18/2019 21:50	WG1251625
(S) Toluene-d8	*94.8*			*75.0-131*		*03/18/2019 21:50*	WG1251625
(S) Toluene-d8	*94.2*			*75.0-131*		*03/19/2019 16:50*	WG1252003
(S) 4-Bromofluorobenzene	*92.3*			*67.0-138*		*03/18/2019 21:50*	WG1251625
(S) 4-Bromofluorobenzene	*81.0*			*67.0-138*		*03/19/2019 16:50*	WG1252003
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*03/18/2019 21:50*	WG1251625
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*03/19/2019 16:50*	WG1252003

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.1		1	03/19/2019 13:17	WG1252100

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0346	J0	0.0150	0.0274	1	03/19/2019 17:09	WG1252003
Acrylonitrile	U		0.00209	0.0137	1	03/18/2019 22:13	WG1251625
Benzene	0.000674	J	0.000439	0.00110	1	03/18/2019 22:13	WG1251625
Bromobenzene	U		0.00115	0.0137	1	03/18/2019 22:13	WG1251625
Bromodichloromethane	U		0.000865	0.00274	1	03/18/2019 22:13	WG1251625
Bromochloromethane	U		0.00124	0.00549	1	03/18/2019 22:13	WG1251625
Bromoform	U		0.00657	0.0274	1	03/18/2019 22:13	WG1251625
Bromomethane	U		0.00406	0.0137	1	03/18/2019 22:13	WG1251625
n-Butylbenzene	U		0.00422	0.0137	1	03/19/2019 17:09	WG1252003
sec-Butylbenzene	U		0.00278	0.0137	1	03/18/2019 22:13	WG1251625
tert-Butylbenzene	U		0.00170	0.00549	1	03/18/2019 22:13	WG1251625
Carbon disulfide	U		0.00446	0.0137	1	03/18/2019 22:13	WG1251625
Carbon tetrachloride	U		0.00119	0.00549	1	03/18/2019 22:13	WG1251625
Chlorobenzene	U		0.000629	0.00274	1	03/18/2019 22:13	WG1251625
Chlorodibromomethane	U		0.000494	0.00274	1	03/18/2019 22:13	WG1251625
Chloroethane	U		0.00119	0.00549	1	03/18/2019 22:13	WG1251625
Chloroform	U		0.000456	0.00274	1	03/18/2019 22:13	WG1251625
Chloromethane	U		0.00153	0.0137	1	03/18/2019 22:13	WG1251625
2-Chlorotoluene	U		0.00101	0.00274	1	03/18/2019 22:13	WG1251625
4-Chlorotoluene	U		0.00124	0.00549	1	03/18/2019 22:13	WG1251625
1,2-Dibromo-3-Chloropropane	U		0.00560	0.0274	1	03/18/2019 22:13	WG1251625
1,2-Dibromoethane	U		0.000576	0.00274	1	03/18/2019 22:13	WG1251625
Dibromomethane	U		0.00110	0.00549	1	03/18/2019 22:13	WG1251625
1,2-Dichlorobenzene	U		0.00159	0.00549	1	03/18/2019 22:13	WG1251625
1,3-Dichlorobenzene	U		0.00187	0.00549	1	03/18/2019 22:13	WG1251625
1,4-Dichlorobenzene	U		0.00216	0.00549	1	03/18/2019 22:13	WG1251625
Dichlorodifluoromethane	U		0.000898	0.00274	1	03/18/2019 22:13	WG1251625
1,1-Dichloroethane	U		0.000631	0.00274	1	03/18/2019 22:13	WG1251625
1,2-Dichloroethane	U		0.000521	0.00274	1	03/18/2019 22:13	WG1251625
1,1-Dichloroethene	U		0.000549	0.00274	1	03/18/2019 22:13	WG1251625
cis-1,2-Dichloroethene	U		0.000758	0.00274	1	03/18/2019 22:13	WG1251625
trans-1,2-Dichloroethene	U		0.00157	0.00549	1	03/18/2019 22:13	WG1251625
1,2-Dichloropropane	U		0.00139	0.00549	1	03/18/2019 22:13	WG1251625
1,1-Dichloropropene	U		0.000769	0.00274	1	03/18/2019 22:13	WG1251625
1,3-Dichloropropane	U		0.00192	0.00549	1	03/18/2019 22:13	WG1251625
cis-1,3-Dichloropropene	U		0.000744	0.00274	1	03/18/2019 22:13	WG1251625
trans-1,3-Dichloropropene	U		0.00168	0.00549	1	03/18/2019 22:13	WG1251625
trans-1,4-Dichloro-2-butene	U		0.00154	0.00549	1	03/18/2019 22:13	WG1251625
2,2-Dichloropropane	U		0.000871	0.00274	1	03/18/2019 22:13	WG1251625
Di-isopropyl ether	U		0.000384	0.00110	1	03/18/2019 22:13	WG1251625
Ethylbenzene	U		0.000582	0.00274	1	03/18/2019 22:13	WG1251625
Hexachloro-1,3-butadiene	U		0.0139	0.0274	1	03/19/2019 17:09	WG1252003
2-Hexanone	U		0.0110	0.0274	1	03/18/2019 22:13	WG1251625
n-Hexane	U		0.00116	0.00549	1	03/18/2019 22:13	WG1251625
Iodomethane	U		0.00664	0.0137	1	03/18/2019 22:13	WG1251625
Isopropylbenzene	U		0.000947	0.00274	1	03/18/2019 22:13	WG1251625
p-Isopropyltoluene	U		0.00256	0.00549	1	03/18/2019 22:13	WG1251625
2-Butanone (MEK)	0.0215	J J0	0.0137	0.0274	1	03/18/2019 22:13	WG1251625
Methylene Chloride	U		0.00729	0.0274	1	03/18/2019 22:13	WG1251625
4-Methyl-2-pentanone (MIBK)	U		0.0110	0.0274	1	03/18/2019 22:13	WG1251625

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000324	0.00110	1	03/18/2019 22:13	WG1251625
Naphthalene	U		0.00343	0.0137	1	03/18/2019 22:13	WG1251625
n-Propylbenzene	U		0.00130	0.00549	1	03/18/2019 22:13	WG1251625
Styrene	U		0.00300	0.0137	1	03/18/2019 22:13	WG1251625
1,1,1,2-Tetrachloroethane	U		0.000549	0.00274	1	03/18/2019 22:13	WG1251625
1,1,2,2-Tetrachloroethane	U		0.000428	0.00274	1	03/18/2019 22:13	WG1251625
1,1,2-Trichlorotrifluoroethane	U		0.000741	0.00274	1	03/18/2019 22:13	WG1251625
Tetrachloroethene	U		0.000769	0.00274	1	03/18/2019 22:13	WG1251625
Toluene	0.00359	J	0.00137	0.00549	1	03/18/2019 22:13	WG1251625
1,2,3-Trichlorobenzene	U		0.000686	0.00274	1	03/19/2019 17:09	WG1252003
1,2,4-Trichlorobenzene	U		0.00529	0.0137	1	03/19/2019 17:09	WG1252003
1,1,1-Trichloroethane	U		0.000302	0.00274	1	03/18/2019 22:13	WG1251625
1,1,2-Trichloroethane	U		0.000969	0.00274	1	03/18/2019 22:13	WG1251625
Trichloroethene	U		0.000439	0.00110	1	03/18/2019 22:13	WG1251625
Trichlorofluoromethane	U		0.000549	0.00274	1	03/18/2019 22:13	WG1251625
1,2,3-Trichloropropane	U		0.00560	0.0137	1	03/18/2019 22:13	WG1251625
1,2,4-Trimethylbenzene	U		0.00127	0.00549	1	03/18/2019 22:13	WG1251625
1,2,3-Trimethylbenzene	U		0.00126	0.00549	1	03/18/2019 22:13	WG1251625
1,3,5-Trimethylbenzene	U		0.00119	0.00549	1	03/18/2019 22:13	WG1251625
Vinyl acetate	U		0.00386	0.0137	1	03/18/2019 22:13	WG1251625
Vinyl chloride	U		0.000750	0.00274	1	03/18/2019 22:13	WG1251625
Xylenes, Total	U		0.00525	0.00714	1	03/18/2019 22:13	WG1251625
(S) Toluene-d8	*96.3*			*75.0-131*		*03/18/2019 22:13*	WG1251625
(S) Toluene-d8	*94.3*			*75.0-131*		*03/19/2019 17:09*	WG1252003
(S) 4-Bromofluorobenzene	*96.0*			*67.0-138*		*03/18/2019 22:13*	WG1251625
(S) 4-Bromofluorobenzene	*80.0*			*67.0-138*		*03/19/2019 17:09*	WG1252003
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*		*03/18/2019 22:13*	WG1251625
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*03/19/2019 17:09*	WG1252003

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.6		1	03/19/2019 13:17	WG1252100

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0153	0.0279	1	03/19/2019 17:29	WG1252003
Acrylonitrile	U		0.00212	0.0139	1	03/18/2019 22:35	WG1251625
Benzene	U		0.000446	0.00112	1	03/18/2019 22:35	WG1251625
Bromobenzene	U		0.00117	0.0139	1	03/18/2019 22:35	WG1251625
Bromodichloromethane	U		0.000879	0.00279	1	03/18/2019 22:35	WG1251625
Bromochloromethane	U		0.00126	0.00558	1	03/18/2019 22:35	WG1251625
Bromoform	U		0.00667	0.0279	1	03/18/2019 22:35	WG1251625
Bromomethane	U		0.00413	0.0139	1	03/18/2019 22:35	WG1251625
n-Butylbenzene	U		0.00428	0.0139	1	03/19/2019 17:29	WG1252003
sec-Butylbenzene	U		0.00282	0.0139	1	03/18/2019 22:35	WG1251625
tert-Butylbenzene	U		0.00173	0.00558	1	03/18/2019 22:35	WG1251625
Carbon disulfide	U		0.00453	0.0139	1	03/18/2019 22:35	WG1251625
Carbon tetrachloride	U		0.00120	0.00558	1	03/18/2019 22:35	WG1251625
Chlorobenzene	U		0.000639	0.00279	1	03/18/2019 22:35	WG1251625
Chlorodibromomethane	U		0.000502	0.00279	1	03/18/2019 22:35	WG1251625
Chloroethane	U		0.00120	0.00558	1	03/18/2019 22:35	WG1251625
Chloroform	U		0.000463	0.00279	1	03/18/2019 22:35	WG1251625
Chloromethane	U		0.00155	0.0139	1	03/18/2019 22:35	WG1251625
2-Chlorotoluene	U		0.00103	0.00279	1	03/18/2019 22:35	WG1251625
4-Chlorotoluene	U		0.00126	0.00558	1	03/18/2019 22:35	WG1251625
1,2-Dibromo-3-Chloropropane	U		0.00569	0.0279	1	03/18/2019 22:35	WG1251625
1,2-Dibromoethane	U		0.000586	0.00279	1	03/18/2019 22:35	WG1251625
Dibromomethane	U		0.00112	0.00558	1	03/18/2019 22:35	WG1251625
1,2-Dichlorobenzene	U		0.00162	0.00558	1	03/18/2019 22:35	WG1251625
1,3-Dichlorobenzene	U		0.00190	0.00558	1	03/18/2019 22:35	WG1251625
1,4-Dichlorobenzene	U		0.00220	0.00558	1	03/18/2019 22:35	WG1251625
Dichlorodifluoromethane	U		0.000913	0.00279	1	03/18/2019 22:35	WG1251625
1,1-Dichloroethane	U		0.000642	0.00279	1	03/18/2019 22:35	WG1251625
1,2-Dichloroethane	U		0.000530	0.00279	1	03/18/2019 22:35	WG1251625
1,1-Dichloroethene	U		0.000558	0.00279	1	03/18/2019 22:35	WG1251625
cis-1,2-Dichloroethene	U		0.000770	0.00279	1	03/18/2019 22:35	WG1251625
trans-1,2-Dichloroethene	U		0.00160	0.00558	1	03/18/2019 22:35	WG1251625
1,2-Dichloropropane	U		0.00142	0.00558	1	03/18/2019 22:35	WG1251625
1,1-Dichloropropene	U		0.000781	0.00279	1	03/18/2019 22:35	WG1251625
1,3-Dichloropropane	U		0.00195	0.00558	1	03/18/2019 22:35	WG1251625
cis-1,3-Dichloropropene	U		0.000756	0.00279	1	03/18/2019 22:35	WG1251625
trans-1,3-Dichloropropene	U		0.00171	0.00558	1	03/18/2019 22:35	WG1251625
trans-1,4-Dichloro-2-butene	U		0.00156	0.00558	1	03/18/2019 22:35	WG1251625
2,2-Dichloropropane	U		0.000885	0.00279	1	03/18/2019 22:35	WG1251625
Di-isopropyl ether	U		0.000390	0.00112	1	03/18/2019 22:35	WG1251625
Ethylbenzene	U		0.000591	0.00279	1	03/18/2019 22:35	WG1251625
Hexachloro-1,3-butadiene	U		0.0142	0.0279	1	03/19/2019 17:29	WG1252003
2-Hexanone	U		0.0112	0.0279	1	03/18/2019 22:35	WG1251625
n-Hexane	U		0.00118	0.00558	1	03/18/2019 22:35	WG1251625
Iodomethane	U		0.00675	0.0139	1	03/18/2019 22:35	WG1251625
Isopropylbenzene	U		0.000963	0.00279	1	03/18/2019 22:35	WG1251625
p-Isopropyltoluene	U		0.00260	0.00558	1	03/18/2019 22:35	WG1251625
2-Butanone (MEK)	0.0147	J J0	0.0139	0.0279	1	03/18/2019 22:35	WG1251625
Methylene Chloride	U		0.00741	0.0279	1	03/18/2019 22:35	WG1251625
4-Methyl-2-pentanone (MIBK)	U		0.0112	0.0279	1	03/18/2019 22:35	WG1251625

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000329	0.00112	1	03/18/2019 22:35	WG1251625
Naphthalene	U		0.00348	0.0139	1	03/18/2019 22:35	WG1251625
n-Propylbenzene	U		0.00132	0.00558	1	03/18/2019 22:35	WG1251625
Styrene	U		0.00305	0.0139	1	03/18/2019 22:35	WG1251625
1,1,1,2-Tetrachloroethane	U		0.000558	0.00279	1	03/18/2019 22:35	WG1251625
1,1,2,2-Tetrachloroethane	U		0.000435	0.00279	1	03/18/2019 22:35	WG1251625
1,1,2-Trichlorotrifluoroethane	U		0.000753	0.00279	1	03/18/2019 22:35	WG1251625
Tetrachloroethene	U		0.000781	0.00279	1	03/18/2019 22:35	WG1251625
Toluene	U		0.00139	0.00558	1	03/18/2019 22:35	WG1251625
1,2,3-Trichlorobenzene	U		0.000697	0.00279	1	03/19/2019 17:29	WG1252003
1,2,4-Trichlorobenzene	U		0.00538	0.0139	1	03/19/2019 17:29	WG1252003
1,1,1-Trichloroethane	U		0.000307	0.00279	1	03/18/2019 22:35	WG1251625
1,1,2-Trichloroethane	U		0.000985	0.00279	1	03/18/2019 22:35	WG1251625
Trichloroethene	U		0.000446	0.00112	1	03/18/2019 22:35	WG1251625
Trichlorofluoromethane	U		0.000558	0.00279	1	03/18/2019 22:35	WG1251625
1,2,3-Trichloropropane	U		0.00569	0.0139	1	03/18/2019 22:35	WG1251625
1,2,4-Trimethylbenzene	U		0.00129	0.00558	1	03/18/2019 22:35	WG1251625
1,2,3-Trimethylbenzene	U		0.00128	0.00558	1	03/18/2019 22:35	WG1251625
1,3,5-Trimethylbenzene	U		0.00120	0.00558	1	03/18/2019 22:35	WG1251625
Vinyl acetate	U		0.00393	0.0139	1	03/18/2019 22:35	WG1251625
Vinyl chloride	U		0.000762	0.00279	1	03/18/2019 22:35	WG1251625
Xylenes, Total	U		0.00533	0.00725	1	03/18/2019 22:35	WG1251625
(S) Toluene-d8	*98.2*			*75.0-131*		*03/18/2019 22:35*	WG1251625
(S) Toluene-d8	*94.1*			*75.0-131*		*03/19/2019 17:29*	WG1252003
(S) 4-Bromofluorobenzene	*89.2*			*67.0-138*		*03/18/2019 22:35*	WG1251625
(S) 4-Bromofluorobenzene	*79.1*			*67.0-138*		*03/19/2019 17:29*	WG1252003
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*03/18/2019 22:35*	WG1251625
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*03/19/2019 17:29*	WG1252003

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.1		1	03/19/2019 13:17	WG1252100

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0289	J0	0.0152	0.0277	1	03/19/2019 17:48	WG1252003
Acrylonitrile	U		0.00211	0.0139	1	03/18/2019 22:57	WG1251625
Benzene	0.000468	J	0.000444	0.00111	1	03/18/2019 22:57	WG1251625
Bromobenzene	U		0.00116	0.0139	1	03/18/2019 22:57	WG1251625
Bromodichloromethane	U		0.000874	0.00277	1	03/18/2019 22:57	WG1251625
Bromochloromethane	U		0.00125	0.00555	1	03/18/2019 22:57	WG1251625
Bromoform	U		0.00663	0.0277	1	03/18/2019 22:57	WG1251625
Bromomethane	U		0.00410	0.0139	1	03/18/2019 22:57	WG1251625
n-Butylbenzene	U		0.00426	0.0139	1	03/19/2019 17:48	WG1252003
sec-Butylbenzene	U		0.00281	0.0139	1	03/18/2019 22:57	WG1251625
tert-Butylbenzene	U		0.00172	0.00555	1	03/18/2019 22:57	WG1251625
Carbon disulfide	U		0.00450	0.0139	1	03/18/2019 22:57	WG1251625
Carbon tetrachloride	U		0.00120	0.00555	1	03/18/2019 22:57	WG1251625
Chlorobenzene	U		0.000636	0.00277	1	03/18/2019 22:57	WG1251625
Chlorodibromomethane	U		0.000499	0.00277	1	03/18/2019 22:57	WG1251625
Chloroethane	U		0.00120	0.00555	1	03/18/2019 22:57	WG1251625
Chloroform	0.000618	J	0.000460	0.00277	1	03/18/2019 22:57	WG1251625
Chloromethane	U		0.00154	0.0139	1	03/18/2019 22:57	WG1251625
2-Chlorotoluene	U		0.00102	0.00277	1	03/18/2019 22:57	WG1251625
4-Chlorotoluene	U		0.00125	0.00555	1	03/18/2019 22:57	WG1251625
1,2-Dibromo-3-Chloropropane	U		0.00566	0.0277	1	03/18/2019 22:57	WG1251625
1,2-Dibromoethane	U		0.000582	0.00277	1	03/18/2019 22:57	WG1251625
Dibromomethane	U		0.00111	0.00555	1	03/18/2019 22:57	WG1251625
1,2-Dichlorobenzene	U		0.00161	0.00555	1	03/18/2019 22:57	WG1251625
1,3-Dichlorobenzene	U		0.00189	0.00555	1	03/18/2019 22:57	WG1251625
1,4-Dichlorobenzene	U		0.00219	0.00555	1	03/18/2019 22:57	WG1251625
Dichlorodifluoromethane	U		0.000907	0.00277	1	03/18/2019 22:57	WG1251625
1,1-Dichloroethane	U		0.000638	0.00277	1	03/18/2019 22:57	WG1251625
1,2-Dichloroethane	U		0.000527	0.00277	1	03/18/2019 22:57	WG1251625
1,1-Dichloroethene	U		0.000555	0.00277	1	03/18/2019 22:57	WG1251625
cis-1,2-Dichloroethene	U		0.000765	0.00277	1	03/18/2019 22:57	WG1251625
trans-1,2-Dichloroethene	U		0.00159	0.00555	1	03/18/2019 22:57	WG1251625
1,2-Dichloropropane	U		0.00141	0.00555	1	03/18/2019 22:57	WG1251625
1,1-Dichloropropene	U		0.000776	0.00277	1	03/18/2019 22:57	WG1251625
1,3-Dichloropropane	U		0.00194	0.00555	1	03/18/2019 22:57	WG1251625
cis-1,3-Dichloropropene	U		0.000752	0.00277	1	03/18/2019 22:57	WG1251625
trans-1,3-Dichloropropene	U		0.00170	0.00555	1	03/18/2019 22:57	WG1251625
trans-1,4-Dichloro-2-butene	U		0.00155	0.00555	1	03/18/2019 22:57	WG1251625
2,2-Dichloropropane	U		0.000880	0.00277	1	03/18/2019 22:57	WG1251625
Di-isopropyl ether	U		0.000388	0.00111	1	03/18/2019 22:57	WG1251625
Ethylbenzene	U		0.000588	0.00277	1	03/18/2019 22:57	WG1251625
Hexachloro-1,3-butadiene	U		0.0141	0.0277	1	03/19/2019 17:48	WG1252003
2-Hexanone	U		0.0111	0.0277	1	03/18/2019 22:57	WG1251625
n-Hexane	U		0.00118	0.00555	1	03/18/2019 22:57	WG1251625
Iodomethane	U		0.00671	0.0139	1	03/18/2019 22:57	WG1251625
Isopropylbenzene	U		0.000957	0.00277	1	03/18/2019 22:57	WG1251625
p-Isopropyltoluene	U		0.00258	0.00555	1	03/18/2019 22:57	WG1251625
2-Butanone (MEK)	0.0236	J J0	0.0139	0.0277	1	03/18/2019 22:57	WG1251625
Methylene Chloride	U		0.00737	0.0277	1	03/18/2019 22:57	WG1251625
4-Methyl-2-pentanone (MIBK)	U		0.0111	0.0277	1	03/18/2019 22:57	WG1251625

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000327	0.00111	1	03/18/2019 22:57	WG1251625
Naphthalene	U		0.00346	0.0139	1	03/18/2019 22:57	WG1251625
n-Propylbenzene	U		0.00131	0.00555	1	03/18/2019 22:57	WG1251625
Styrene	U		0.00303	0.0139	1	03/18/2019 22:57	WG1251625
1,1,1,2-Tetrachloroethane	U		0.000555	0.00277	1	03/18/2019 22:57	WG1251625
1,1,2,2-Tetrachloroethane	U		0.000433	0.00277	1	03/18/2019 22:57	WG1251625
1,1,2-Trichlorotrifluoroethane	U		0.000749	0.00277	1	03/18/2019 22:57	WG1251625
Tetrachloroethene	U		0.000776	0.00277	1	03/18/2019 22:57	WG1251625
Toluene	U		0.00139	0.00555	1	03/18/2019 22:57	WG1251625
1,2,3-Trichlorobenzene	U		0.000693	0.00277	1	03/19/2019 17:48	WG1252003
1,2,4-Trichlorobenzene	U		0.00535	0.0139	1	03/19/2019 17:48	WG1252003
1,1,1-Trichloroethane	U		0.000305	0.00277	1	03/18/2019 22:57	WG1251625
1,1,2-Trichloroethane	U		0.000979	0.00277	1	03/18/2019 22:57	WG1251625
Trichloroethene	U		0.000444	0.00111	1	03/18/2019 22:57	WG1251625
Trichlorofluoromethane	U		0.000555	0.00277	1	03/18/2019 22:57	WG1251625
1,2,3-Trichloropropane	U		0.00566	0.0139	1	03/18/2019 22:57	WG1251625
1,2,4-Trimethylbenzene	U		0.00129	0.00555	1	03/18/2019 22:57	WG1251625
1,2,3-Trimethylbenzene	U		0.00128	0.00555	1	03/18/2019 22:57	WG1251625
1,3,5-Trimethylbenzene	U		0.00120	0.00555	1	03/18/2019 22:57	WG1251625
Vinyl acetate	U		0.00390	0.0139	1	03/18/2019 22:57	WG1251625
Vinyl chloride	U		0.000758	0.00277	1	03/18/2019 22:57	WG1251625
Xylenes, Total	U		0.00530	0.00721	1	03/18/2019 22:57	WG1251625
(S) Toluene-d8	*94.4*			*75.0-131*		*03/18/2019 22:57*	WG1251625
(S) Toluene-d8	*93.1*			*75.0-131*		*03/19/2019 17:48*	WG1252003
(S) 4-Bromofluorobenzene	*92.2*			*67.0-138*		*03/18/2019 22:57*	WG1251625
(S) 4-Bromofluorobenzene	*80.5*			*67.0-138*		*03/19/2019 17:48*	WG1252003
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*03/18/2019 22:57*	WG1251625
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*03/19/2019 17:48*	WG1252003

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.5		1	03/19/2019 13:17	WG1252100

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0155	0.0282	1	03/19/2019 18:08	WG1252003
Acrylonitrile	U		0.00215	0.0141	1	03/18/2019 23:19	WG1251625
Benzene	U		0.000452	0.00113	1	03/18/2019 23:19	WG1251625
Bromobenzene	U		0.00119	0.0141	1	03/18/2019 23:19	WG1251625
Bromodichloromethane	U		0.000890	0.00282	1	03/18/2019 23:19	WG1251625
Bromochloromethane	U		0.00128	0.00565	1	03/18/2019 23:19	WG1251625
Bromoform	U		0.00675	0.0282	1	03/18/2019 23:19	WG1251625
Bromomethane	U		0.00418	0.0141	1	03/18/2019 23:19	WG1251625
n-Butylbenzene	U		0.00434	0.0141	1	03/19/2019 18:08	WG1252003
sec-Butylbenzene	U		0.00286	0.0141	1	03/18/2019 23:19	WG1251625
tert-Butylbenzene	U		0.00175	0.00565	1	03/18/2019 23:19	WG1251625
Carbon disulfide	U		0.00459	0.0141	1	03/18/2019 23:19	WG1251625
Carbon tetrachloride	U		0.00122	0.00565	1	03/18/2019 23:19	WG1251625
Chlorobenzene	U		0.000647	0.00282	1	03/18/2019 23:19	WG1251625
Chlorodibromomethane	U		0.000508	0.00282	1	03/18/2019 23:19	WG1251625
Chloroethane	U		0.00122	0.00565	1	03/18/2019 23:19	WG1251625
Chloroform	U		0.000469	0.00282	1	03/18/2019 23:19	WG1251625
Chloromethane	U		0.00157	0.0141	1	03/18/2019 23:19	WG1251625
2-Chlorotoluene	U		0.00104	0.00282	1	03/18/2019 23:19	WG1251625
4-Chlorotoluene	U		0.00128	0.00565	1	03/18/2019 23:19	WG1251625
1,2-Dibromo-3-Chloropropane	U		0.00576	0.0282	1	03/18/2019 23:19	WG1251625
1,2-Dibromoethane	U		0.000593	0.00282	1	03/18/2019 23:19	WG1251625
Dibromomethane	U		0.00113	0.00565	1	03/18/2019 23:19	WG1251625
1,2-Dichlorobenzene	U		0.00164	0.00565	1	03/18/2019 23:19	WG1251625
1,3-Dichlorobenzene	U		0.00192	0.00565	1	03/18/2019 23:19	WG1251625
1,4-Dichlorobenzene	U		0.00223	0.00565	1	03/18/2019 23:19	WG1251625
Dichlorodifluoromethane	U		0.000924	0.00282	1	03/18/2019 23:19	WG1251625
1,1-Dichloroethane	U		0.000649	0.00282	1	03/18/2019 23:19	WG1251625
1,2-Dichloroethane	U		0.000536	0.00282	1	03/18/2019 23:19	WG1251625
1,1-Dichloroethene	U		0.000565	0.00282	1	03/18/2019 23:19	WG1251625
cis-1,2-Dichloroethene	U		0.000779	0.00282	1	03/18/2019 23:19	WG1251625
trans-1,2-Dichloroethene	U		0.00162	0.00565	1	03/18/2019 23:19	WG1251625
1,2-Dichloropropane	U		0.00143	0.00565	1	03/18/2019 23:19	WG1251625
1,1-Dichloropropene	U		0.000791	0.00282	1	03/18/2019 23:19	WG1251625
1,3-Dichloropropane	U		0.00198	0.00565	1	03/18/2019 23:19	WG1251625
cis-1,3-Dichloropropene	U		0.000766	0.00282	1	03/18/2019 23:19	WG1251625
trans-1,3-Dichloropropene	U		0.00173	0.00565	1	03/18/2019 23:19	WG1251625
trans-1,4-Dichloro-2-butene	U		0.00158	0.00565	1	03/18/2019 23:19	WG1251625
2,2-Dichloropropane	U		0.000896	0.00282	1	03/18/2019 23:19	WG1251625
Di-isopropyl ether	U		0.000395	0.00113	1	03/18/2019 23:19	WG1251625
Ethylbenzene	U		0.000599	0.00282	1	03/18/2019 23:19	WG1251625
Hexachloro-1,3-butadiene	U		0.0143	0.0282	1	03/19/2019 18:08	WG1252003
2-Hexanone	U		0.0113	0.0282	1	03/18/2019 23:19	WG1251625
n-Hexane	U		0.00120	0.00565	1	03/18/2019 23:19	WG1251625
Iodomethane	U		0.00683	0.0141	1	03/18/2019 23:19	WG1251625
Isopropylbenzene	U		0.000975	0.00282	1	03/18/2019 23:19	WG1251625
p-Isopropyltoluene	U		0.00263	0.00565	1	03/18/2019 23:19	WG1251625
2-Butanone (MEK)	0.0165	J JO	0.0141	0.0282	1	03/18/2019 23:19	WG1251625
Methylene Chloride	U		0.00750	0.0282	1	03/18/2019 23:19	WG1251625
4-Methyl-2-pentanone (MIBK)	U		0.0113	0.0282	1	03/18/2019 23:19	WG1251625

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000333	0.00113	1	03/18/2019 23:19	WG1251625
Naphthalene	U		0.00352	0.0141	1	03/18/2019 23:19	WG1251625
n-Propylbenzene	U		0.00133	0.00565	1	03/18/2019 23:19	WG1251625
Styrene	U		0.00308	0.0141	1	03/18/2019 23:19	WG1251625
1,1,1,2-Tetrachloroethane	U		0.000565	0.00282	1	03/18/2019 23:19	WG1251625
1,1,2,2-Tetrachloroethane	U		0.000440	0.00282	1	03/18/2019 23:19	WG1251625
1,1,2-Trichlorotrifluoroethane	U		0.000762	0.00282	1	03/18/2019 23:19	WG1251625
Tetrachloroethene	U		0.000791	0.00282	1	03/18/2019 23:19	WG1251625
Toluene	U		0.00141	0.00565	1	03/18/2019 23:19	WG1251625
1,2,3-Trichlorobenzene	U		0.000706	0.00282	1	03/19/2019 18:08	WG1252003
1,2,4-Trichlorobenzene	U		0.00544	0.0141	1	03/19/2019 18:08	WG1252003
1,1,1-Trichloroethane	U		0.000311	0.00282	1	03/18/2019 23:19	WG1251625
1,1,2-Trichloroethane	U		0.000997	0.00282	1	03/18/2019 23:19	WG1251625
Trichloroethene	U		0.000452	0.00113	1	03/18/2019 23:19	WG1251625
Trichlorofluoromethane	U		0.000565	0.00282	1	03/18/2019 23:19	WG1251625
1,2,3-Trichloropropane	U		0.00576	0.0141	1	03/18/2019 23:19	WG1251625
1,2,4-Trimethylbenzene	U		0.00131	0.00565	1	03/18/2019 23:19	WG1251625
1,2,3-Trimethylbenzene	U		0.00130	0.00565	1	03/18/2019 23:19	WG1251625
1,3,5-Trimethylbenzene	U		0.00122	0.00565	1	03/18/2019 23:19	WG1251625
Vinyl acetate	U		0.00398	0.0141	1	03/18/2019 23:19	WG1251625
Vinyl chloride	U		0.000771	0.00282	1	03/18/2019 23:19	WG1251625
Xylenes, Total	U		0.00540	0.00734	1	03/18/2019 23:19	WG1251625
(S) Toluene-d8	*95.8*			*75.0-131*		*03/18/2019 23:19*	WG1251625
(S) Toluene-d8	*94.7*			*75.0-131*		*03/19/2019 18:08*	WG1252003
(S) 4-Bromofluorobenzene	*91.0*			*67.0-138*		*03/18/2019 23:19*	WG1251625
(S) 4-Bromofluorobenzene	*80.8*			*67.0-138*		*03/19/2019 18:08*	WG1252003
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*		*03/18/2019 23:19*	WG1251625
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*03/19/2019 18:08*	WG1252003

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.9		1	03/19/2019 13:17	WG1252100

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0160	0.0291	1	03/19/2019 18:28	WG1252003
Acrylonitrile	U		0.00221	0.0146	1	03/18/2019 23:42	WG1251625
Benzene	U		0.000466	0.00116	1	03/18/2019 23:42	WG1251625
Bromobenzene	U		0.00122	0.0146	1	03/18/2019 23:42	WG1251625
Bromodichloromethane	U		0.000918	0.00291	1	03/18/2019 23:42	WG1251625
Bromochloromethane	U		0.00132	0.00582	1	03/18/2019 23:42	WG1251625
Bromoform	U		0.00696	0.0291	1	03/18/2019 23:42	WG1251625
Bromomethane	U		0.00431	0.0146	1	03/18/2019 23:42	WG1251625
n-Butylbenzene	U		0.00447	0.0146	1	03/19/2019 18:28	WG1252003
sec-Butylbenzene	U		0.00295	0.0146	1	03/18/2019 23:42	WG1251625
tert-Butylbenzene	U		0.00180	0.00582	1	03/18/2019 23:42	WG1251625
Carbon disulfide	U		0.00473	0.0146	1	03/18/2019 23:42	WG1251625
Carbon tetrachloride	U		0.00126	0.00582	1	03/18/2019 23:42	WG1251625
Chlorobenzene	U		0.000667	0.00291	1	03/18/2019 23:42	WG1251625
Chlorodibromomethane	U		0.000524	0.00291	1	03/18/2019 23:42	WG1251625
Chloroethane	U		0.00126	0.00582	1	03/18/2019 23:42	WG1251625
Chloroform	U		0.000483	0.00291	1	03/18/2019 23:42	WG1251625
Chloromethane	U		0.00162	0.0146	1	03/18/2019 23:42	WG1251625
2-Chlorotoluene	U		0.00107	0.00291	1	03/18/2019 23:42	WG1251625
4-Chlorotoluene	U		0.00132	0.00582	1	03/18/2019 23:42	WG1251625
1,2-Dibromo-3-Chloropropane	U		0.00594	0.0291	1	03/18/2019 23:42	WG1251625
1,2-Dibromoethane	U		0.000611	0.00291	1	03/18/2019 23:42	WG1251625
Dibromomethane	U		0.00116	0.00582	1	03/18/2019 23:42	WG1251625
1,2-Dichlorobenzene	U		0.00169	0.00582	1	03/18/2019 23:42	WG1251625
1,3-Dichlorobenzene	U		0.00198	0.00582	1	03/18/2019 23:42	WG1251625
1,4-Dichlorobenzene	U		0.00229	0.00582	1	03/18/2019 23:42	WG1251625
Dichlorodifluoromethane	U		0.000953	0.00291	1	03/18/2019 23:42	WG1251625
1,1-Dichloroethane	U		0.000670	0.00291	1	03/18/2019 23:42	WG1251625
1,2-Dichloroethane	U		0.000553	0.00291	1	03/18/2019 23:42	WG1251625
1,1-Dichloroethene	U		0.000582	0.00291	1	03/18/2019 23:42	WG1251625
cis-1,2-Dichloroethene	U		0.000804	0.00291	1	03/18/2019 23:42	WG1251625
trans-1,2-Dichloroethene	U		0.00167	0.00582	1	03/18/2019 23:42	WG1251625
1,2-Dichloropropane	U		0.00148	0.00582	1	03/18/2019 23:42	WG1251625
1,1-Dichloropropene	U		0.000815	0.00291	1	03/18/2019 23:42	WG1251625
1,3-Dichloropropane	U		0.00204	0.00582	1	03/18/2019 23:42	WG1251625
cis-1,3-Dichloropropene	U		0.000790	0.00291	1	03/18/2019 23:42	WG1251625
trans-1,3-Dichloropropene	U		0.00178	0.00582	1	03/18/2019 23:42	WG1251625
trans-1,4-Dichloro-2-butene	U		0.00163	0.00582	1	03/18/2019 23:42	WG1251625
2,2-Dichloropropane	U		0.000923	0.00291	1	03/18/2019 23:42	WG1251625
Di-isopropyl ether	U		0.000408	0.00116	1	03/18/2019 23:42	WG1251625
Ethylbenzene	U		0.000617	0.00291	1	03/18/2019 23:42	WG1251625
Hexachloro-1,3-butadiene	U		0.0148	0.0291	1	03/19/2019 18:28	WG1252003
2-Hexanone	U		0.0116	0.0291	1	03/18/2019 23:42	WG1251625
n-Hexane	U		0.00123	0.00582	1	03/18/2019 23:42	WG1251625
Iodomethane	U		0.00705	0.0146	1	03/18/2019 23:42	WG1251625
Isopropylbenzene	U		0.00100	0.00291	1	03/18/2019 23:42	WG1251625
p-Isopropyltoluene	U		0.00271	0.00582	1	03/18/2019 23:42	WG1251625
2-Butanone (MEK)	0.0171	J J0	0.0146	0.0291	1	03/18/2019 23:42	WG1251625
Methylene Chloride	U		0.00773	0.0291	1	03/18/2019 23:42	WG1251625
4-Methyl-2-pentanone (MIBK)	U		0.0116	0.0291	1	03/18/2019 23:42	WG1251625

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000344	0.00116	1	03/18/2019 23:42	WG1251625
Naphthalene	U		0.00363	0.0146	1	03/18/2019 23:42	WG1251625
n-Propylbenzene	U		0.00137	0.00582	1	03/18/2019 23:42	WG1251625
Styrene	U		0.00318	0.0146	1	03/18/2019 23:42	WG1251625
1,1,1,2-Tetrachloroethane	U		0.000582	0.00291	1	03/18/2019 23:42	WG1251625
1,1,2,2-Tetrachloroethane	U		0.000454	0.00291	1	03/18/2019 23:42	WG1251625
1,1,2-Trichlorotrifluoroethane	U		0.000786	0.00291	1	03/18/2019 23:42	WG1251625
Tetrachloroethene	U		0.000815	0.00291	1	03/18/2019 23:42	WG1251625
Toluene	U		0.00146	0.00582	1	03/18/2019 23:42	WG1251625
1,2,3-Trichlorobenzene	U		0.000728	0.00291	1	03/19/2019 18:28	WG1252003
1,2,4-Trichlorobenzene	U		0.00561	0.0146	1	03/19/2019 18:28	WG1252003
1,1,1-Trichloroethane	U		0.000320	0.00291	1	03/18/2019 23:42	WG1251625
1,1,2-Trichloroethane	U		0.00103	0.00291	1	03/18/2019 23:42	WG1251625
Trichloroethene	U		0.000466	0.00116	1	03/18/2019 23:42	WG1251625
Trichlorofluoromethane	U		0.000582	0.00291	1	03/18/2019 23:42	WG1251625
1,2,3-Trichloropropane	U		0.00594	0.0146	1	03/18/2019 23:42	WG1251625
1,2,4-Trimethylbenzene	U		0.00135	0.00582	1	03/18/2019 23:42	WG1251625
1,2,3-Trimethylbenzene	U		0.00134	0.00582	1	03/18/2019 23:42	WG1251625
1,3,5-Trimethylbenzene	U		0.00126	0.00582	1	03/18/2019 23:42	WG1251625
Vinyl acetate	U		0.00410	0.0146	1	03/18/2019 23:42	WG1251625
Vinyl chloride	U		0.000795	0.00291	1	03/18/2019 23:42	WG1251625
Xylenes, Total	U		0.00557	0.00757	1	03/18/2019 23:42	WG1251625
(S) Toluene-d8	*94.3*			*75.0-131*		*03/18/2019 23:42*	WG1251625
(S) Toluene-d8	*93.3*			*75.0-131*		*03/19/2019 18:28*	WG1252003
(S) 4-Bromofluorobenzene	*92.1*			*67.0-138*		*03/18/2019 23:42*	WG1251625
(S) 4-Bromofluorobenzene	*79.3*			*67.0-138*		*03/19/2019 18:28*	WG1252003
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*03/18/2019 23:42*	WG1251625
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*03/19/2019 18:28*	WG1252003

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.3		1	03/20/2019 13:47	WG1252177

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0216	J J0	0.0159	0.0290	1	03/19/2019 18:47	WG1252003
Acrylonitrile	U		0.00220	0.0145	1	03/19/2019 00:04	WG1251625
Benzene	U		0.000463	0.00116	1	03/19/2019 00:04	WG1251625
Bromobenzene	U		0.00122	0.0145	1	03/19/2019 00:04	WG1251625
Bromodichloromethane	U		0.000913	0.00290	1	03/19/2019 00:04	WG1251625
Bromochloromethane	U		0.00131	0.00579	1	03/19/2019 00:04	WG1251625
Bromoform	U		0.00693	0.0290	1	03/19/2019 00:04	WG1251625
Bromomethane	U		0.00429	0.0145	1	03/19/2019 00:04	WG1251625
n-Butylbenzene	U		0.00445	0.0145	1	03/19/2019 18:47	WG1252003
sec-Butylbenzene	U		0.00293	0.0145	1	03/19/2019 00:04	WG1251625
tert-Butylbenzene	U		0.00180	0.00579	1	03/19/2019 00:04	WG1251625
Carbon disulfide	U		0.00470	0.0145	1	03/19/2019 00:04	WG1251625
Carbon tetrachloride	U		0.00125	0.00579	1	03/19/2019 00:04	WG1251625
Chlorobenzene	U		0.000664	0.00290	1	03/19/2019 00:04	WG1251625
Chlorodibromomethane	U		0.000521	0.00290	1	03/19/2019 00:04	WG1251625
Chloroethane	U		0.00125	0.00579	1	03/19/2019 00:04	WG1251625
Chloroform	U		0.000481	0.00290	1	03/19/2019 00:04	WG1251625
Chloromethane	U		0.00161	0.0145	1	03/19/2019 00:04	WG1251625
2-Chlorotoluene	U		0.00107	0.00290	1	03/19/2019 00:04	WG1251625
4-Chlorotoluene	U		0.00131	0.00579	1	03/19/2019 00:04	WG1251625
1,2-Dibromo-3-Chloropropane	U		0.00591	0.0290	1	03/19/2019 00:04	WG1251625
1,2-Dibromoethane	U		0.000608	0.00290	1	03/19/2019 00:04	WG1251625
Dibromomethane	U		0.00116	0.00579	1	03/19/2019 00:04	WG1251625
1,2-Dichlorobenzene	U		0.00168	0.00579	1	03/19/2019 00:04	WG1251625
1,3-Dichlorobenzene	U		0.00197	0.00579	1	03/19/2019 00:04	WG1251625
1,4-Dichlorobenzene	U		0.00228	0.00579	1	03/19/2019 00:04	WG1251625
Dichlorodifluoromethane	U		0.000948	0.00290	1	03/19/2019 00:04	WG1251625
1,1-Dichloroethane	U		0.000666	0.00290	1	03/19/2019 00:04	WG1251625
1,2-Dichloroethane	U		0.000550	0.00290	1	03/19/2019 00:04	WG1251625
1,1-Dichloroethene	U		0.000579	0.00290	1	03/19/2019 00:04	WG1251625
cis-1,2-Dichloroethene	U		0.000799	0.00290	1	03/19/2019 00:04	WG1251625
trans-1,2-Dichloroethene	U		0.00166	0.00579	1	03/19/2019 00:04	WG1251625
1,2-Dichloropropane	U		0.00147	0.00579	1	03/19/2019 00:04	WG1251625
1,1-Dichloropropene	U		0.000811	0.00290	1	03/19/2019 00:04	WG1251625
1,3-Dichloropropane	U		0.00203	0.00579	1	03/19/2019 00:04	WG1251625
cis-1,3-Dichloropropene	U		0.000786	0.00290	1	03/19/2019 00:04	WG1251625
trans-1,3-Dichloropropene	U		0.00177	0.00579	1	03/19/2019 00:04	WG1251625
trans-1,4-Dichloro-2-butene	U		0.00162	0.00579	1	03/19/2019 00:04	WG1251625
2,2-Dichloropropane	U		0.000919	0.00290	1	03/19/2019 00:04	WG1251625
Di-isopropyl ether	U		0.000406	0.00116	1	03/19/2019 00:04	WG1251625
Ethylbenzene	U		0.000614	0.00290	1	03/19/2019 00:04	WG1251625
Hexachloro-1,3-butadiene	U		0.0147	0.0290	1	03/19/2019 18:47	WG1252003
2-Hexanone	U		0.0116	0.0290	1	03/19/2019 00:04	WG1251625
n-Hexane	U		0.00123	0.00579	1	03/19/2019 00:04	WG1251625
Iodomethane	U		0.00701	0.0145	1	03/19/2019 00:04	WG1251625
Isopropylbenzene	U		0.00100	0.00290	1	03/19/2019 00:04	WG1251625
p-Isopropyltoluene	U		0.00270	0.00579	1	03/19/2019 00:04	WG1251625
2-Butanone (MEK)	U		0.0145	0.0290	1	03/19/2019 00:04	WG1251625
Methylene Chloride	U		0.00769	0.0290	1	03/19/2019 00:04	WG1251625
4-Methyl-2-pentanone (MIBK)	U		0.0116	0.0290	1	03/19/2019 00:04	WG1251625

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000342	0.00116	1	03/19/2019 00:04	WG1251625
Naphthalene	U		0.00362	0.0145	1	03/19/2019 00:04	WG1251625
n-Propylbenzene	U		0.00137	0.00579	1	03/19/2019 00:04	WG1251625
Styrene	U		0.00316	0.0145	1	03/19/2019 00:04	WG1251625
1,1,1,2-Tetrachloroethane	U		0.000579	0.00290	1	03/19/2019 00:04	WG1251625
1,1,2,2-Tetrachloroethane	U		0.000452	0.00290	1	03/19/2019 00:04	WG1251625
1,1,2-Trichlorotrifluoroethane	U		0.000782	0.00290	1	03/19/2019 00:04	WG1251625
Tetrachloroethene	U		0.000811	0.00290	1	03/19/2019 00:04	WG1251625
Toluene	U		0.00145	0.00579	1	03/19/2019 00:04	WG1251625
1,2,3-Trichlorobenzene	U		0.000724	0.00290	1	03/19/2019 18:47	WG1252003
1,2,4-Trichlorobenzene	U		0.00558	0.0145	1	03/19/2019 18:47	WG1252003
1,1,1-Trichloroethane	U		0.000319	0.00290	1	03/19/2019 00:04	WG1251625
1,1,2-Trichloroethane	U		0.00102	0.00290	1	03/19/2019 00:04	WG1251625
Trichloroethene	U		0.000463	0.00116	1	03/19/2019 00:04	WG1251625
Trichlorofluoromethane	U		0.000579	0.00290	1	03/19/2019 00:04	WG1251625
1,2,3-Trichloropropane	U		0.00591	0.0145	1	03/19/2019 00:04	WG1251625
1,2,4-Trimethylbenzene	U		0.00134	0.00579	1	03/19/2019 00:04	WG1251625
1,2,3-Trimethylbenzene	U		0.00133	0.00579	1	03/19/2019 00:04	WG1251625
1,3,5-Trimethylbenzene	U		0.00125	0.00579	1	03/19/2019 00:04	WG1251625
Vinyl acetate	U		0.00408	0.0145	1	03/19/2019 00:04	WG1251625
Vinyl chloride	U		0.000791	0.00290	1	03/19/2019 00:04	WG1251625
Xylenes, Total	U		0.00554	0.00753	1	03/19/2019 00:04	WG1251625
(S) Toluene-d8	*97.9*			*75.0-131*		*03/19/2019 00:04*	WG1251625
(S) Toluene-d8	*93.2*			*75.0-131*		*03/19/2019 18:47*	WG1252003
(S) 4-Bromofluorobenzene	*93.9*			*67.0-138*		*03/19/2019 00:04*	WG1251625
(S) 4-Bromofluorobenzene	*81.5*			*67.0-138*		*03/19/2019 18:47*	WG1252003
(S) 1,2-Dichloroethane-d4	*118*			*70.0-130*		*03/19/2019 00:04*	WG1251625
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*03/19/2019 18:47*	WG1252003

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.7		1	03/20/2019 13:47	WG1252177

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0242	J	0.0156	0.0285	1	03/21/2019 19:14	WG1253335
Acrylonitrile	U		0.00217	0.0142	1	03/20/2019 17:13	WG1252749
Benzene	U		0.000456	0.00114	1	03/20/2019 17:13	WG1252749
Bromobenzene	U		0.00120	0.0142	1	03/20/2019 17:13	WG1252749
Bromodichloromethane	U		0.000898	0.00285	1	03/20/2019 17:13	WG1252749
Bromochloromethane	U		0.00129	0.00570	1	03/20/2019 17:13	WG1252749
Bromoform	U		0.00682	0.0285	1	03/20/2019 17:13	WG1252749
Bromomethane	U		0.00422	0.0142	1	03/20/2019 17:13	WG1252749
n-Butylbenzene	U		0.00438	0.0142	1	03/20/2019 17:13	WG1252749
sec-Butylbenzene	U		0.00288	0.0142	1	03/20/2019 17:13	WG1252749
tert-Butylbenzene	U		0.00177	0.00570	1	03/20/2019 17:13	WG1252749
Carbon disulfide	U		0.00463	0.0142	1	03/20/2019 17:13	WG1252749
Carbon tetrachloride	U		0.00123	0.00570	1	03/20/2019 17:13	WG1252749
Chlorobenzene	U		0.000653	0.00285	1	03/20/2019 17:13	WG1252749
Chlorodibromomethane	U		0.000513	0.00285	1	03/20/2019 17:13	WG1252749
Chloroethane	U		0.00123	0.00570	1	03/21/2019 19:14	WG1253335
Chloroform	U		0.000473	0.00285	1	03/20/2019 17:13	WG1252749
Chloromethane	U		0.00158	0.0142	1	03/21/2019 19:14	WG1253335
2-Chlorotoluene	U	J4	0.00105	0.00285	1	03/20/2019 17:13	WG1252749
4-Chlorotoluene	U		0.00129	0.00570	1	03/20/2019 17:13	WG1252749
1,2-Dibromo-3-Chloropropane	U		0.00581	0.0285	1	03/20/2019 17:13	WG1252749
1,2-Dibromoethane	U		0.000598	0.00285	1	03/20/2019 17:13	WG1252749
Dibromomethane	U		0.00114	0.00570	1	03/20/2019 17:13	WG1252749
1,2-Dichlorobenzene	U		0.00165	0.00570	1	03/20/2019 17:13	WG1252749
1,3-Dichlorobenzene	U		0.00194	0.00570	1	03/20/2019 17:13	WG1252749
1,4-Dichlorobenzene	U		0.00225	0.00570	1	03/20/2019 17:13	WG1252749
Dichlorodifluoromethane	U		0.000932	0.00285	1	03/20/2019 17:13	WG1252749
1,1-Dichloroethane	U		0.000655	0.00285	1	03/20/2019 17:13	WG1252749
1,2-Dichloroethane	U		0.000541	0.00285	1	03/20/2019 17:13	WG1252749
1,1-Dichloroethene	U		0.000570	0.00285	1	03/20/2019 17:13	WG1252749
cis-1,2-Dichloroethene	U		0.000787	0.00285	1	03/20/2019 17:13	WG1252749
trans-1,2-Dichloroethene	U		0.00163	0.00570	1	03/20/2019 17:13	WG1252749
1,2-Dichloropropane	U		0.00145	0.00570	1	03/20/2019 17:13	WG1252749
1,1-Dichloropropene	U	J4	0.000798	0.00285	1	03/20/2019 17:13	WG1252749
1,3-Dichloropropane	U		0.00199	0.00570	1	03/20/2019 17:13	WG1252749
cis-1,3-Dichloropropene	U		0.000773	0.00285	1	03/20/2019 17:13	WG1252749
trans-1,3-Dichloropropene	U		0.00174	0.00570	1	03/20/2019 17:13	WG1252749
trans-1,4-Dichloro-2-butene	U		0.00160	0.00570	1	03/20/2019 17:13	WG1252749
2,2-Dichloropropane	U		0.000904	0.00285	1	03/20/2019 17:13	WG1252749
Di-isopropyl ether	U		0.000399	0.00114	1	03/20/2019 17:13	WG1252749
Ethylbenzene	U		0.000604	0.00285	1	03/20/2019 17:13	WG1252749
Hexachloro-1,3-butadiene	U		0.0145	0.0285	1	03/20/2019 17:13	WG1252749
2-Hexanone	U		0.0114	0.0285	1	03/20/2019 17:13	WG1252749
n-Hexane	U		0.00121	0.00570	1	03/20/2019 17:13	WG1252749
Iodomethane	U		0.00690	0.0142	1	03/20/2019 17:13	WG1252749
Isopropylbenzene	U		0.000984	0.00285	1	03/20/2019 17:13	WG1252749
p-Isopropyltoluene	U		0.00266	0.00570	1	03/20/2019 17:13	WG1252749
2-Butanone (MEK)	U		0.0142	0.0285	1	03/20/2019 17:13	WG1252749
Methylene Chloride	U		0.00757	0.0285	1	03/20/2019 17:13	WG1252749
4-Methyl-2-pentanone (MIBK)	U		0.0114	0.0285	1	03/20/2019 17:13	WG1252749

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000336	0.00114	1	03/20/2019 17:13	WG1252749
Naphthalene	U		0.00356	0.0142	1	03/20/2019 17:13	WG1252749
n-Propylbenzene	U		0.00135	0.00570	1	03/20/2019 17:13	WG1252749
Styrene	U	J4	0.00311	0.0142	1	03/20/2019 17:13	WG1252749
1,1,1,2-Tetrachloroethane	U		0.000570	0.00285	1	03/21/2019 19:14	WG1253335
1,1,2,2-Tetrachloroethane	U		0.000445	0.00285	1	03/20/2019 17:13	WG1252749
1,1,2-Trichlorotrifluoroethane	U		0.000769	0.00285	1	03/21/2019 19:14	WG1253335
Tetrachloroethene	U		0.000798	0.00285	1	03/20/2019 17:13	WG1252749
Toluene	U		0.00142	0.00570	1	03/20/2019 17:13	WG1252749
1,2,3-Trichlorobenzene	U		0.000712	0.00285	1	03/20/2019 17:13	WG1252749
1,2,4-Trichlorobenzene	U		0.00549	0.0142	1	03/20/2019 17:13	WG1252749
1,1,1-Trichloroethane	U		0.000313	0.00285	1	03/20/2019 17:13	WG1252749
1,1,2-Trichloroethane	U		0.00101	0.00285	1	03/20/2019 17:13	WG1252749
Trichloroethene	U		0.000456	0.00114	1	03/20/2019 17:13	WG1252749
Trichlorofluoromethane	U		0.000570	0.00285	1	03/20/2019 17:13	WG1252749
1,2,3-Trichloropropane	U		0.00581	0.0142	1	03/20/2019 17:13	WG1252749
1,2,4-Trimethylbenzene	U		0.00132	0.00570	1	03/20/2019 17:13	WG1252749
1,2,3-Trimethylbenzene	U		0.00131	0.00570	1	03/20/2019 17:13	WG1252749
1,3,5-Trimethylbenzene	U		0.00123	0.00570	1	03/20/2019 17:13	WG1252749
Vinyl acetate	U		0.00401	0.0142	1	03/20/2019 17:13	WG1252749
Vinyl chloride	U		0.000779	0.00285	1	03/20/2019 17:13	WG1252749
Xylenes, Total	U		0.00545	0.00741	1	03/20/2019 17:13	WG1252749
(S) Toluene-d8	*108*			*75.0-131*		*03/20/2019 17:13*	WG1252749
(S) Toluene-d8	*92.8*			*75.0-131*		*03/21/2019 19:14*	WG1253335
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*03/20/2019 17:13*	WG1252749
(S) 4-Bromofluorobenzene	*77.1*			*67.0-138*		*03/21/2019 19:14*	WG1253335
(S) 1,2-Dichloroethane-d4	*91.5*			*70.0-130*		*03/20/2019 17:13*	WG1252749
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*03/21/2019 19:14*	WG1253335

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.6		1	03/20/2019 13:47	WG1252177

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0624		0.0156	0.0285	1	03/21/2019 19:34	WG1253335
Acrylonitrile	U		0.00217	0.0143	1	03/20/2019 17:32	WG1252749
Benzene	U		0.000456	0.00114	1	03/20/2019 17:32	WG1252749
Bromobenzene	U		0.00120	0.0143	1	03/20/2019 17:32	WG1252749
Bromodichloromethane	U		0.000899	0.00285	1	03/20/2019 17:32	WG1252749
Bromochloromethane	U		0.00129	0.00571	1	03/20/2019 17:32	WG1252749
Bromoform	U		0.00682	0.0285	1	03/20/2019 17:32	WG1252749
Bromomethane	U		0.00422	0.0143	1	03/20/2019 17:32	WG1252749
n-Butylbenzene	U		0.00438	0.0143	1	03/20/2019 17:32	WG1252749
sec-Butylbenzene	U		0.00289	0.0143	1	03/20/2019 17:32	WG1252749
tert-Butylbenzene	U		0.00177	0.00571	1	03/20/2019 17:32	WG1252749
Carbon disulfide	U		0.00463	0.0143	1	03/20/2019 17:32	WG1252749
Carbon tetrachloride	U		0.00123	0.00571	1	03/20/2019 17:32	WG1252749
Chlorobenzene	U		0.000654	0.00285	1	03/20/2019 17:32	WG1252749
Chlorodibromomethane	U		0.000514	0.00285	1	03/20/2019 17:32	WG1252749
Chloroethane	U		0.00123	0.00571	1	03/21/2019 19:34	WG1253335
Chloroform	U		0.000474	0.00285	1	03/20/2019 17:32	WG1252749
Chloromethane	U		0.00159	0.0143	1	03/21/2019 19:34	WG1253335
2-Chlorotoluene	U	J4	0.00105	0.00285	1	03/20/2019 17:32	WG1252749
4-Chlorotoluene	U		0.00129	0.00571	1	03/20/2019 17:32	WG1252749
1,2-Dibromo-3-Chloropropane	U		0.00582	0.0285	1	03/20/2019 17:32	WG1252749
1,2-Dibromoethane	U		0.000599	0.00285	1	03/20/2019 17:32	WG1252749
Dibromomethane	U		0.00114	0.00571	1	03/20/2019 17:32	WG1252749
1,2-Dichlorobenzene	U		0.00165	0.00571	1	03/20/2019 17:32	WG1252749
1,3-Dichlorobenzene	U		0.00194	0.00571	1	03/20/2019 17:32	WG1252749
1,4-Dichlorobenzene	U		0.00225	0.00571	1	03/20/2019 17:32	WG1252749
Dichlorodifluoromethane	U		0.000933	0.00285	1	03/20/2019 17:32	WG1252749
1,1-Dichloroethane	U		0.000656	0.00285	1	03/20/2019 17:32	WG1252749
1,2-Dichloroethane	U		0.000542	0.00285	1	03/20/2019 17:32	WG1252749
1,1-Dichloroethene	U		0.000571	0.00285	1	03/20/2019 17:32	WG1252749
cis-1,2-Dichloroethene	U		0.000787	0.00285	1	03/20/2019 17:32	WG1252749
trans-1,2-Dichloroethene	U		0.00163	0.00571	1	03/20/2019 17:32	WG1252749
1,2-Dichloropropane	U		0.00145	0.00571	1	03/20/2019 17:32	WG1252749
1,1-Dichloropropene	U	J4	0.000799	0.00285	1	03/20/2019 17:32	WG1252749
1,3-Dichloropropane	U		0.00200	0.00571	1	03/20/2019 17:32	WG1252749
cis-1,3-Dichloropropene	U		0.000774	0.00285	1	03/20/2019 17:32	WG1252749
trans-1,3-Dichloropropene	U		0.00175	0.00571	1	03/20/2019 17:32	WG1252749
trans-1,4-Dichloro-2-butene	U		0.00160	0.00571	1	03/20/2019 17:32	WG1252749
2,2-Dichloropropane	U		0.000905	0.00285	1	03/20/2019 17:32	WG1252749
Di-isopropyl ether	U		0.000399	0.00114	1	03/20/2019 17:32	WG1252749
Ethylbenzene	U		0.000605	0.00285	1	03/20/2019 17:32	WG1252749
Hexachloro-1,3-butadiene	U		0.0145	0.0285	1	03/20/2019 17:32	WG1252749
2-Hexanone	U		0.0114	0.0285	1	03/20/2019 17:32	WG1252749
n-Hexane	U		0.00121	0.00571	1	03/20/2019 17:32	WG1252749
Iodomethane	U		0.00690	0.0143	1	03/20/2019 17:32	WG1252749
Isopropylbenzene	U		0.000985	0.00285	1	03/20/2019 17:32	WG1252749
p-Isopropyltoluene	U		0.00266	0.00571	1	03/20/2019 17:32	WG1252749
2-Butanone (MEK)	U		0.0143	0.0285	1	03/20/2019 17:32	WG1252749
Methylene Chloride	U		0.00758	0.0285	1	03/20/2019 17:32	WG1252749
4-Methyl-2-pentanone (MIBK)	U		0.0114	0.0285	1	03/20/2019 17:32	WG1252749

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000337	0.00114	1	03/20/2019 17:32	WG1252749
Naphthalene	U		0.00356	0.0143	1	03/20/2019 17:32	WG1252749
n-Propylbenzene	U		0.00135	0.00571	1	03/20/2019 17:32	WG1252749
Styrene	U	J4	0.00312	0.0143	1	03/20/2019 17:32	WG1252749
1,1,1,2-Tetrachloroethane	U		0.000571	0.00285	1	03/21/2019 19:34	WG1253335
1,1,2,2-Tetrachloroethane	U		0.000445	0.00285	1	03/20/2019 17:32	WG1252749
1,1,2-Trichlorotrifluoroethane	U		0.000770	0.00285	1	03/21/2019 19:34	WG1253335
Tetrachloroethene	U		0.000799	0.00285	1	03/20/2019 17:32	WG1252749
Toluene	U		0.00143	0.00571	1	03/20/2019 17:32	WG1252749
1,2,3-Trichlorobenzene	U		0.000713	0.00285	1	03/20/2019 17:32	WG1252749
1,2,4-Trichlorobenzene	U		0.00550	0.0143	1	03/20/2019 17:32	WG1252749
1,1,1-Trichloroethane	U		0.000314	0.00285	1	03/20/2019 17:32	WG1252749
1,1,2-Trichloroethane	U		0.00101	0.00285	1	03/20/2019 17:32	WG1252749
Trichloroethene	U		0.000456	0.00114	1	03/20/2019 17:32	WG1252749
Trichlorofluoromethane	U		0.000571	0.00285	1	03/20/2019 17:32	WG1252749
1,2,3-Trichloropropane	U		0.00582	0.0143	1	03/20/2019 17:32	WG1252749
1,2,4-Trimethylbenzene	U		0.00132	0.00571	1	03/20/2019 17:32	WG1252749
1,2,3-Trimethylbenzene	U		0.00131	0.00571	1	03/20/2019 17:32	WG1252749
1,3,5-Trimethylbenzene	U		0.00123	0.00571	1	03/20/2019 17:32	WG1252749
Vinyl acetate	U		0.00402	0.0143	1	03/20/2019 17:32	WG1252749
Vinyl chloride	U		0.000779	0.00285	1	03/20/2019 17:32	WG1252749
Xylenes, Total	U		0.00545	0.00742	1	03/20/2019 17:32	WG1252749
(S) Toluene-d8	*108*			*75.0-131*		*03/20/2019 17:32*	WG1252749
(S) Toluene-d8	*92.4*			*75.0-131*		*03/21/2019 19:34*	WG1253335
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*03/20/2019 17:32*	WG1252749
(S) 4-Bromofluorobenzene	*79.6*			*67.0-138*		*03/21/2019 19:34*	WG1253335
(S) 1,2-Dichloroethane-d4	*93.9*			*70.0-130*		*03/20/2019 17:32*	WG1252749
(S) 1,2-Dichloroethane-d4	*118*			*70.0-130*		*03/21/2019 19:34*	WG1253335

Method Blank (MB)

(MB) R3393285-1 03/19/19 13:31

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

L1079416-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1079416-12 03/19/19 13:31 • (DUP) R3393285-3 03/19/19 13:31

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	97.0	96.1	1	0.921		10

Laboratory Control Sample (LCS)

(LCS) R3393285-2 03/19/19 13:31

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

Method Blank (MB)

(MB) R3393225-1 03/19/19 15:42

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

L1079313-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1079313-01 03/19/19 15:42 • (DUP) R3393225-3 03/19/19 15:42

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	77.7	76.6	1	1.38		10

Laboratory Control Sample (LCS)

(LCS) R3393225-2 03/19/19 15:42

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

Method Blank (MB)

(MB) R3393280-1 03/19/19 13:17

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

L1079417-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1079417-16 03/19/19 13:17 • (DUP) R3393280-3 03/19/19 13:17

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	88.5	88.2	1	0.356		10

Laboratory Control Sample (LCS)

(LCS) R3393280-2 03/19/19 13:17

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

Method Blank (MB)

(MB) R3393722-1 03/20/19 13:47

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

L1079342-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1079342-12 03/20/19 13:47 • (DUP) R3393722-3 03/20/19 13:47

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	86.5	86.5	1	0.0835		10

Laboratory Control Sample (LCS)

(LCS) R3393722-2 03/20/19 13:47

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) R3392896-2 03/18/19 13:59

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acrylonitrile	U		0.00190	0.0125
Benzene	U		0.000400	0.00100
Bromobenzene	U		0.00105	0.0125
Bromodichloromethane	U		0.000788	0.00250
Bromochloromethane	U		0.00113	0.00500
Bromoform	U		0.00598	0.0250
Bromomethane	U		0.00370	0.0125
sec-Butylbenzene	U		0.00253	0.0125
tert-Butylbenzene	U		0.00155	0.00500
Carbon disulfide	U		0.00406	0.0125
Carbon tetrachloride	U		0.00108	0.00500
Chlorobenzene	U		0.000573	0.00250
Chlorodibromomethane	U		0.000450	0.00250
Chloroethane	U		0.00108	0.00500
Chloroform	U		0.000415	0.00250
Chloromethane	U		0.00139	0.0125
2-Chlorotoluene	U		0.000920	0.00250
4-Chlorotoluene	U		0.00113	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00510	0.0250
1,2-Dibromoethane	U		0.000525	0.00250
Dibromomethane	U		0.00100	0.00500
1,2-Dichlorobenzene	U		0.00145	0.00500
1,3-Dichlorobenzene	U		0.00170	0.00500
1,4-Dichlorobenzene	U		0.00197	0.00500
trans-1,4-Dichloro-2-butene	U		0.00140	0.00500
Dichlorodifluoromethane	U		0.000818	0.00250
1,1-Dichloroethane	U		0.000575	0.00250
1,2-Dichloroethane	U		0.000475	0.00250
1,1-Dichloroethene	U		0.000500	0.00250
cis-1,2-Dichloroethene	U		0.000690	0.00250
trans-1,2-Dichloroethene	U		0.00143	0.00500
1,2-Dichloropropane	U		0.00127	0.00500
1,1-Dichloropropene	U		0.000700	0.00250
1,3-Dichloropropane	U		0.00175	0.00500
cis-1,3-Dichloropropene	U		0.000678	0.00250
trans-1,3-Dichloropropene	U		0.00153	0.00500
2,2-Dichloropropane	U		0.000793	0.00250
Di-isopropyl ether	U		0.000350	0.00100
Ethylbenzene	U		0.000530	0.00250
n-Hexane	U		0.00106	0.00500

Method Blank (MB)

(MB) R3392896-2 03/18/19 13:59

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
2-Hexanone	U		0.0100	0.0250
Iodomethane	U		0.00605	0.0125
Isopropylbenzene	U		0.000863	0.00250
p-Isopropyltoluene	U		0.00233	0.00500
2-Butanone (MEK)	U		0.0125	0.0250
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.0100	0.0250
Methyl tert-butyl ether	U		0.000295	0.00100
Naphthalene	U		0.00312	0.0125
n-Propylbenzene	U		0.00118	0.00500
Styrene	U		0.00273	0.0125
1,1,1,2-Tetrachloroethane	U		0.000500	0.00250
1,1,2,2-Tetrachloroethane	U		0.000390	0.00250
Tetrachloroethene	U		0.000700	0.00250
Toluene	U		0.00125	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000675	0.00250
1,1,1-Trichloroethane	U		0.000275	0.00250
1,1,2-Trichloroethane	U		0.000883	0.00250
Trichloroethene	U		0.000400	0.00100
Trichlorofluoromethane	U		0.000500	0.00250
1,2,3-Trichloropropane	U		0.00510	0.0125
1,2,3-Trimethylbenzene	U		0.00115	0.00500
1,2,4-Trimethylbenzene	0.00118	J	0.00116	0.00500
1,3,5-Trimethylbenzene	U		0.00108	0.00500
Vinyl acetate	U		0.00352	0.0125
Vinyl chloride	U		0.000683	0.00250
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	*95.6*			*75.0-131*
(S) 4-Bromofluorobenzene	*95.9*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3392896-1 03/18/19 12:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acrylonitrile	0.625	0.870	139	45.0-153	
Benzene	0.125	0.125	100	70.0-123	
Bromobenzene	0.125	0.127	102	73.0-121	

Laboratory Control Sample (LCS)

(LCS) R3392896-1 03/18/19 12:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromodichloromethane	0.125	0.135	108	73.0-121	
Bromochloromethane	0.125	0.131	105	77.0-128	
Bromoform	0.125	0.123	98.2	64.0-132	
Bromomethane	0.125	0.119	95.1	56.0-147	
sec-Butylbenzene	0.125	0.107	85.4	74.0-130	
tert-Butylbenzene	0.125	0.109	87.6	75.0-127	
Carbon disulfide	0.125	0.131	105	56.0-133	
Carbon tetrachloride	0.125	0.123	98.1	66.0-128	
Chlorobenzene	0.125	0.110	88.0	76.0-128	
Chlorodibromomethane	0.125	0.122	97.8	74.0-127	
Chloroethane	0.125	0.133	107	61.0-134	
Chloroform	0.125	0.132	106	72.0-123	
Chloromethane	0.125	0.144	115	51.0-138	
2-Chlorotoluene	0.125	0.127	102	75.0-124	
4-Chlorotoluene	0.125	0.126	101	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.139	111	59.0-130	
1,2-Dibromoethane	0.125	0.126	101	74.0-128	
Dibromomethane	0.125	0.130	104	75.0-122	
1,2-Dichlorobenzene	0.125	0.117	93.6	76.0-124	
1,3-Dichlorobenzene	0.125	0.114	91.5	76.0-125	
1,4-Dichlorobenzene	0.125	0.109	87.3	77.0-121	
trans-1,4-Dichloro-2-butene	0.125	0.173	138	45.0-143	
Dichlorodifluoromethane	0.125	0.123	98.1	43.0-156	
1,1-Dichloroethane	0.125	0.146	117	70.0-127	
1,2-Dichloroethane	0.125	0.139	111	65.0-131	
1,1-Dichloroethene	0.125	0.126	100	65.0-131	
cis-1,2-Dichloroethene	0.125	0.121	96.9	73.0-125	
trans-1,2-Dichloroethene	0.125	0.126	101	71.0-125	
1,2-Dichloropropane	0.125	0.142	113	74.0-125	
1,1-Dichloropropene	0.125	0.125	100	73.0-125	
1,3-Dichloropropane	0.125	0.126	101	80.0-125	
cis-1,3-Dichloropropene	0.125	0.137	110	76.0-127	
trans-1,3-Dichloropropene	0.125	0.128	102	73.0-127	
2,2-Dichloropropane	0.125	0.121	96.6	59.0-135	
Di-isopropyl ether	0.125	0.150	120	60.0-136	
Ethylbenzene	0.125	0.114	91.2	74.0-126	
2-Hexanone	0.625	0.787	126	54.0-147	
n-Hexane	0.125	0.126	101	55.0-137	
Iodomethane	0.625	0.606	96.9	74.0-134	
Isopropylbenzene	0.125	0.108	86.8	72.0-127	

Laboratory Control Sample (LCS)

(LCS) R3392896-1 03/18/19 12:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
p-Isopropyltoluene	0.125	0.112	89.4	72.0-133	
2-Butanone (MEK)	0.625	0.818	131	30.0-160	
Methylene Chloride	0.125	0.129	103	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.725	116	56.0-143	
Methyl tert-butyl ether	0.125	0.124	99.5	66.0-132	
Naphthalene	0.125	0.116	93.1	59.0-130	
n-Propylbenzene	0.125	0.117	93.6	74.0-126	
Styrene	0.125	0.118	94.4	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.106	84.9	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.142	114	68.0-128	
Tetrachloroethene	0.125	0.101	80.5	70.0-136	
Toluene	0.125	0.117	93.7	75.0-121	
1,1,2-Trichlorotrifluoroethane	0.125	0.111	88.9	61.0-139	
1,1,1-Trichloroethane	0.125	0.133	106	69.0-126	
1,1,2-Trichloroethane	0.125	0.128	102	78.0-123	
Trichloroethene	0.125	0.124	99.2	76.0-126	
Trichlorofluoromethane	0.125	0.127	102	61.0-142	
1,2,3-Trichloropropane	0.125	0.142	114	67.0-129	
1,2,3-Trimethylbenzene	0.125	0.119	95.2	74.0-124	
1,2,4-Trimethylbenzene	0.125	0.125	100	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.121	96.8	73.0-127	
Vinyl acetate	0.625	0.866	139	43.0-159	
Vinyl chloride	0.125	0.134	108	63.0-134	
Xylenes, Total	0.375	0.344	91.7	72.0-127	
(S) Toluene-d8			*94.6*	*75.0-131*	
(S) 4-Bromofluorobenzene			*94.0*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*112*	*70.0-130*	

Method Blank (MB)

(MB) R3392985-2 03/19/19 11:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0137	0.0250
n-Butylbenzene	U		0.00384	0.0125
Hexachloro-1,3-butadiene	U		0.0127	0.0250
1,2,3-Trichlorobenzene	U		0.000625	0.00250
1,2,4-Trichlorobenzene	U		0.00482	0.0125
(S) Toluene-d8	*94.5*			*75.0-131*
(S) 4-Bromofluorobenzene	*81.4*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3392985-1 03/19/19 09:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.896	143	10.0-160	
n-Butylbenzene	0.125	0.0894	71.5	68.0-135	
Hexachloro-1,3-butadiene	0.125	0.114	91.0	57.0-150	
1,2,3-Trichlorobenzene	0.125	0.145	116	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.118	94.4	62.0-137	
(S) Toluene-d8			*95.7*	*75.0-131*	
(S) 4-Bromofluorobenzene			*98.3*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*110*	*70.0-130*	

Method Blank (MB)

(MB) R3393759-2 03/20/19 14:11

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acrylonitrile	U		0.00190	0.0125
Benzene	U		0.000400	0.00100
Bromobenzene	U		0.00105	0.0125
Bromodichloromethane	U		0.000788	0.00250
Bromochloromethane	U		0.00113	0.00500
Bromoform	U		0.00598	0.0250
Bromomethane	U		0.00370	0.0125
n-Butylbenzene	U		0.00384	0.0125
sec-Butylbenzene	U		0.00253	0.0125
tert-Butylbenzene	U		0.00155	0.00500
Carbon disulfide	U		0.00406	0.0125
Carbon tetrachloride	U		0.00108	0.00500
Chlorobenzene	U		0.000573	0.00250
Chlorodibromomethane	U		0.000450	0.00250
Chloroform	U		0.000415	0.00250
2-Chlorotoluene	U		0.000920	0.00250
4-Chlorotoluene	U		0.00113	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00510	0.0250
1,2-Dibromoethane	U		0.000525	0.00250
Dibromomethane	U		0.00100	0.00500
1,2-Dichlorobenzene	U		0.00145	0.00500
1,3-Dichlorobenzene	U		0.00170	0.00500
1,4-Dichlorobenzene	U		0.00197	0.00500
trans-1,4-Dichloro-2-butene	U		0.00140	0.00500
Dichlorodifluoromethane	U		0.000818	0.00250
1,1-Dichloroethane	U		0.000575	0.00250
1,2-Dichloroethane	U		0.000475	0.00250
1,1-Dichloroethene	U		0.000500	0.00250
cis-1,2-Dichloroethene	U		0.000690	0.00250
trans-1,2-Dichloroethene	U		0.00143	0.00500
1,2-Dichloropropane	U		0.00127	0.00500
1,1-Dichloropropene	U		0.000700	0.00250
1,3-Dichloropropane	U		0.00175	0.00500
cis-1,3-Dichloropropene	U		0.000678	0.00250
trans-1,3-Dichloropropene	U		0.00153	0.00500
2,2-Dichloropropane	U		0.000793	0.00250
Di-isopropyl ether	U		0.000350	0.00100
Ethylbenzene	U		0.000530	0.00250
Hexachloro-1,3-butadiene	U		0.0127	0.0250
n-Hexane	U		0.00106	0.00500

Method Blank (MB)

(MB) R3393759-2 03/20/19 14:11

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
2-Hexanone	U		0.0100	0.0250
Iodomethane	U		0.00605	0.0125
Isopropylbenzene	U		0.000863	0.00250
p-Isopropyltoluene	U		0.00233	0.00500
2-Butanone (MEK)	U		0.0125	0.0250
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.0100	0.0250
Methyl tert-butyl ether	U		0.000295	0.00100
Naphthalene	U		0.00312	0.0125
n-Propylbenzene	U		0.00118	0.00500
Styrene	U		0.00273	0.0125
1,1,2,2-Tetrachloroethane	U		0.000390	0.00250
Tetrachloroethene	U		0.000700	0.00250
Toluene	U		0.00125	0.00500
1,2,3-Trichlorobenzene	U		0.000625	0.00250
1,2,4-Trichlorobenzene	U		0.00482	0.0125
1,1,1-Trichloroethane	U		0.000275	0.00250
1,1,2-Trichloroethane	U		0.000883	0.00250
Trichloroethene	U		0.000400	0.00100
Trichlorofluoromethane	U		0.000500	0.00250
1,2,3-Trichloropropane	U		0.00510	0.0125
1,2,3-Trimethylbenzene	U		0.00115	0.00500
1,2,4-Trimethylbenzene	U		0.00116	0.00500
1,3,5-Trimethylbenzene	U		0.00108	0.00500
Vinyl acetate	U		0.00352	0.0125
Vinyl chloride	U		0.000683	0.00250
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	*107*			*75.0-131*
(S) 4-Bromofluorobenzene	*105*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*93.9*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3393759-1 03/20/19 12:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acrylonitrile	0.625	0.648	104	45.0-153	
Benzene	0.125	0.0969	77.5	70.0-123	
Bromobenzene	0.125	0.141	113	73.0-121	

Laboratory Control Sample (LCS)

(LCS) R3393759-1 03/20/19 12:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromodichloromethane	0.125	0.107	85.4	73.0-121	
Bromochloromethane	0.125	0.140	112	77.0-128	
Bromoform	0.125	0.135	108	64.0-132	
Bromomethane	0.125	0.124	99.4	56.0-147	
n-Butylbenzene	0.125	0.120	96.4	68.0-135	
sec-Butylbenzene	0.125	0.129	103	74.0-130	
tert-Butylbenzene	0.125	0.123	98.5	75.0-127	
Carbon disulfide	0.125	0.105	84.3	56.0-133	
Carbon tetrachloride	0.125	0.127	102	66.0-128	
Chlorobenzene	0.125	0.116	93.1	76.0-128	
Chlorodibromomethane	0.125	0.124	99.2	74.0-127	
Chloroform	0.125	0.129	103	72.0-123	
2-Chlorotoluene	0.125	0.172	137	75.0-124	J4
4-Chlorotoluene	0.125	0.124	99.2	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.155	124	59.0-130	
1,2-Dibromoethane	0.125	0.107	85.3	74.0-128	
Dibromomethane	0.125	0.0957	76.6	75.0-122	
1,2-Dichlorobenzene	0.125	0.131	105	76.0-124	
1,3-Dichlorobenzene	0.125	0.114	91.1	76.0-125	
1,4-Dichlorobenzene	0.125	0.109	87.1	77.0-121	
trans-1,4-Dichloro-2-butene	0.125	0.117	93.8	45.0-143	
Dichlorodifluoromethane	0.125	0.106	84.7	43.0-156	
1,1-Dichloroethane	0.125	0.132	106	70.0-127	
1,2-Dichloroethane	0.125	0.131	105	65.0-131	
1,1-Dichloroethene	0.125	0.123	98.7	65.0-131	
cis-1,2-Dichloroethene	0.125	0.124	99.3	73.0-125	
trans-1,2-Dichloroethene	0.125	0.105	83.9	71.0-125	
1,2-Dichloropropane	0.125	0.117	93.6	74.0-125	
1,1-Dichloropropene	0.125	0.160	128	73.0-125	J4
1,3-Dichloropropane	0.125	0.121	97.1	80.0-125	
cis-1,3-Dichloropropene	0.125	0.0981	78.5	76.0-127	
trans-1,3-Dichloropropene	0.125	0.118	94.6	73.0-127	
2,2-Dichloropropane	0.125	0.140	112	59.0-135	
Di-isopropyl ether	0.125	0.123	98.6	60.0-136	
Ethylbenzene	0.125	0.120	95.6	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.151	121	57.0-150	
2-Hexanone	0.625	0.694	111	54.0-147	
n-Hexane	0.125	0.130	104	55.0-137	
Iodomethane	0.625	0.640	102	74.0-134	
Isopropylbenzene	0.125	0.126	101	72.0-127	

Laboratory Control Sample (LCS)

(LCS) R3393759-1 03/20/19 12:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
p-Isopropyltoluene	0.125	0.110	87.9	72.0-133	
2-Butanone (MEK)	0.625	0.555	88.8	30.0-160	
Methylene Chloride	0.125	0.108	86.4	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.665	106	56.0-143	
Methyl tert-butyl ether	0.125	0.101	80.7	66.0-132	
Naphthalene	0.125	0.123	98.2	59.0-130	
n-Propylbenzene	0.125	0.109	87.4	74.0-126	
Styrene	0.125	0.164	131	72.0-127	J4
1,1,2,2-Tetrachloroethane	0.125	0.104	82.9	68.0-128	
Tetrachloroethene	0.125	0.121	96.8	70.0-136	
Toluene	0.125	0.110	88.0	75.0-121	
1,2,3-Trichlorobenzene	0.125	0.127	102	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.122	97.6	62.0-137	
1,1,1-Trichloroethane	0.125	0.146	116	69.0-126	
1,1,2-Trichloroethane	0.125	0.101	80.8	78.0-123	
Trichloroethene	0.125	0.119	94.8	76.0-126	
Trichlorofluoromethane	0.125	0.130	104	61.0-142	
1,2,3-Trichloropropane	0.125	0.118	94.7	67.0-129	
1,2,3-Trimethylbenzene	0.125	0.0960	76.8	74.0-124	
1,2,4-Trimethylbenzene	0.125	0.124	99.3	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.122	97.8	73.0-127	
Vinyl acetate	0.625	0.712	114	43.0-159	
Vinyl chloride	0.125	0.113	90.0	63.0-134	
Xylenes, Total	0.375	0.386	103	72.0-127	
(S) Toluene-d8			*104*	*75.0-131*	
(S) 4-Bromofluorobenzene			*105*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*99.8*	*70.0-130*	

L1080275-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1080275-01 03/20/19 15:34 • (MS) R3393759-3 03/20/19 15:54 • (MSD) R3393759-4 03/20/19 16:14

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	0.144	ND	0.0510	0.0506	35.4	35.1	1	10.0-149			0.902	37
Acrylonitrile	0.721	ND	0.413	0.415	57.3	57.5	1	10.0-160			0.509	40
Bromobenzene	0.144	ND	0.0971	0.0950	67.3	65.9	1	10.0-156			2.24	38
Bromodichloromethane	0.144	ND	0.0678	0.0687	47.0	47.6	1	10.0-143			1.29	37
Bromochloromethane	0.144	ND	0.0866	0.0850	60.0	58.9	1	10.0-155			1.84	33
Bromoform	0.144	ND	0.0978	0.0943	67.8	65.4	1	10.0-146			3.63	36

L1080275-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1080275-01 03/20/19 15:34 • (MS) R3393759-3 03/20/19 15:54 • (MSD) R3393759-4 03/20/19 16:14

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 %
Bromomethane	0.144	ND	0.0463	0.0401	32.1	27.8	1	10.0-149			14.3	38
n-Butylbenzene	0.144	ND	0.0772	0.0772	53.5	53.5	1	10.0-160			0.00448	40
sec-Butylbenzene	0.144	ND	0.0790	0.0809	54.8	56.1	1	10.0-159			2.36	39
tert-Butylbenzene	0.144	ND	0.0739	0.0836	51.2	57.9	1	10.0-156			12.3	39
Carbon disulfide	0.144	ND	0.0217	0.0212	15.1	14.7	1	10.0-145			2.45	39
Carbon tetrachloride	0.144	ND	0.0547	0.0505	37.9	35.0	1	10.0-145			8.09	37
Chlorobenzene	0.144	ND	0.0734	0.0706	50.9	49.0	1	10.0-152			3.79	39
Chlorodibromomethane	0.144	ND	0.0845	0.0846	58.6	58.6	1	10.0-146			0.0655	37
Chloroform	0.144	ND	0.0768	0.0724	53.3	50.2	1	10.0-146			5.90	37
2-Chlorotoluene	0.144	ND	0.105	0.107	72.5	74.4	1	10.0-159			2.47	38
4-Chlorotoluene	0.144	ND	0.0787	0.0775	54.6	53.7	1	10.0-155			1.53	39
1,2-Dibromo-3-Chloropropane	0.144	ND	0.112	0.117	77.5	81.0	1	10.0-151			4.38	39
1,2-Dibromoethane	0.144	ND	0.0770	0.0786	53.4	54.5	1	10.0-148			2.06	34
Dibromomethane	0.144	ND	0.0642	0.0643	44.5	44.6	1	10.0-147			0.124	35
1,2-Dichlorobenzene	0.144	ND	0.0955	0.0902	66.2	62.5	1	10.0-155			5.81	37
1,3-Dichlorobenzene	0.144	ND	0.0781	0.0734	54.1	50.9	1	10.0-153			6.20	38
1,4-Dichlorobenzene	0.144	ND	0.0783	0.0744	54.3	51.6	1	10.0-151			5.10	38
trans-1,4-Dichloro-2-butene	0.144	ND	0.0914	0.0974	63.3	67.5	1	10.0-152			6.34	36
Dichlorodifluoromethane	0.144	ND	0.0614	0.0562	42.5	38.9	1	10.0-160			8.86	35
1,1-Dichloroethane	0.144	ND	0.0736	0.0706	51.0	48.9	1	10.0-147			4.13	37
1,2-Dichloroethane	0.144	ND	0.0849	0.0857	58.8	59.4	1	10.0-148			0.957	35
1,1-Dichloroethene	0.144	ND	0.0397	0.0354	27.5	24.5	1	10.0-155			11.6	37
cis-1,2-Dichloroethene	0.144	ND	0.0731	0.0703	50.6	48.7	1	10.0-149			3.84	37
trans-1,2-Dichloroethene	0.144	ND	0.0440	0.0420	30.5	29.1	1	10.0-150			4.61	37
1,2-Dichloropropane	0.144	ND	0.0741	0.0728	51.4	50.5	1	10.0-148			1.76	37
1,1-Dichloropropene	0.144	ND	0.0781	0.0756	54.1	52.4	1	10.0-153			3.26	35
1,3-Dichloropropane	0.144	ND	0.0935	0.0924	64.8	64.0	1	10.0-154			1.24	35
cis-1,3-Dichloropropene	0.144	ND	0.0642	0.0653	44.5	45.3	1	10.0-151			1.65	37
trans-1,3-Dichloropropene	0.144	ND	0.0822	0.0825	57.0	57.2	1	10.0-148			0.359	37
2,2-Dichloropropane	0.144	ND	0.0648	0.0642	44.9	44.5	1	10.0-138			0.946	36
Ethylbenzene	0.144	ND	0.0724	0.0674	50.2	46.7	1	10.0-160			7.15	38
Di-isopropyl ether	0.144	ND	0.0715	0.0680	49.5	47.2	1	10.0-147			4.95	36
Hexachloro-1,3-butadiene	0.144	ND	0.101	0.104	70.2	71.8	1	10.0-160			2.23	40
2-Hexanone	0.721	ND	0.518	0.533	71.9	73.9	1	10.0-160			2.75	36
n-Hexane	0.144	ND	0.0485	0.0392	33.6	27.2	1	10.0-157			21.2	37
Iodomethane	0.721	ND	0.197	0.210	27.2	29.1	1	10.0-160			6.71	38
Isopropylbenzene	0.144	ND	0.0747	0.0716	51.8	49.7	1	10.0-155			4.15	38
p-Isopropyltoluene	0.144	ND	0.0704	0.0697	48.8	48.3	1	10.0-160			0.993	40
2-Butanone (MEK)	0.721	ND	0.370	0.376	51.3	52.1	1	10.0-160			1.55	40

L1080275-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1080275-01 03/20/19 15:34 • (MS) R3393759-3 03/20/19 15:54 • (MSD) R3393759-4 03/20/19 16:14

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 %
Methyl tert-butyl ether	0.144	ND	0.0546	0.0523	37.8	36.3	1	11.0-147			4.20	35
Methylene Chloride	0.144	ND	0.0437	0.0426	30.3	29.6	1	10.0-141			2.55	37
4-Methyl-2-pentanone (MIBK)	0.721	ND	0.488	0.494	67.7	68.5	1	10.0-160			1.20	35
Naphthalene	0.144	ND	0.100	0.102	69.6	70.8	1	10.0-160			1.73	36
n-Propylbenzene	0.144	ND	0.0665	0.0636	46.1	44.1	1	10.0-158			4.48	38
Styrene	0.144	ND	0.105	0.104	72.9	72.2	1	10.0-160			0.895	40
1,1,2,2-Tetrachloroethane	0.144	ND	0.0814	0.0802	56.4	55.6	1	10.0-160			1.39	35
Tetrachloroethene	0.144	ND	0.0603	0.0595	41.8	41.2	1	10.0-156			1.40	39
Toluene	0.144	ND	0.0698	0.0686	48.4	47.6	1	10.0-156			1.75	38
1,2,3-Trichlorobenzene	0.144	ND	0.106	0.105	73.6	72.9	1	10.0-160			1.01	40
1,2,4-Trichlorobenzene	0.144	ND	0.0895	0.0924	62.0	64.1	1	10.0-160			3.22	40
1,1,1-Trichloroethane	0.144	ND	0.0674	0.0628	46.7	43.6	1	10.0-144			7.01	35
1,1,2-Trichloroethane	0.144	ND	0.0737	0.0770	51.1	53.4	1	10.0-160			4.40	35
Trichloroethene	0.144	ND	0.0600	0.0579	41.6	40.1	1	10.0-156			3.63	38
Trichlorofluoromethane	0.144	ND	0.0330	0.0325	22.9	22.5	1	10.0-160			1.33	40
1,2,3-Trichloropropane	0.144	ND	0.0914	0.0930	63.3	64.5	1	10.0-156			1.76	35
1,2,3-Trimethylbenzene	0.144	ND	0.0642	0.0615	44.5	42.6	1	10.0-160			4.33	36
1,2,4-Trimethylbenzene	0.144	ND	0.0795	0.0758	55.1	52.6	1	10.0-160			4.66	36
1,3,5-Trimethylbenzene	0.144	ND	0.0742	0.0722	51.5	50.1	1	10.0-160			2.70	38
Vinyl acetate	0.721	ND	0.541	0.549	75.0	76.1	1	10.0-128			1.40	40
Xylenes, Total	0.433	ND	0.239	0.228	55.3	52.6	1	10.0-160			4.99	38
Vinyl chloride	0.144	ND	0.0491	0.0477	34.1	33.0	1	10.0-160			3.03	37
(S) Toluene-d8					*105*	*107*		*75.0-131*				
(S) 4-Bromofluorobenzene					*106*	*105*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*92.8*	*94.7*		*70.0-130*				

Method Blank (MB)

(MB) R3394140-2 03/21/19 11:14

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0137	0.0250
Chloroethane	U		0.00108	0.00500
Chloromethane	U		0.00139	0.0125
1,1,1,2-Tetrachloroethane	U		0.000500	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000675	0.00250
(S) Toluene-d8	*93.4*			*75.0-131*
(S) 4-Bromofluorobenzene	*81.5*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3394140-1 03/21/19 10:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.839	134	10.0-160	
Chloroethane	0.125	0.105	84.2	61.0-134	
Chloromethane	0.125	0.133	106	51.0-138	
1,1,1,2-Tetrachloroethane	0.125	0.0978	78.2	74.0-129	
1,1,2-Trichlorotrifluoroethane	0.125	0.123	98.4	61.0-139	
(S) Toluene-d8			*91.7*	*75.0-131*	
(S) 4-Bromofluorobenzene			*99.0*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*115*	*70.0-130*	

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: The identification of the analyte is acceptable, but the reported concentration is an estimate. The calibration met method criteria.
J4	The associated batch QC was outside the established quality control range for accuracy.

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

State Accreditations

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

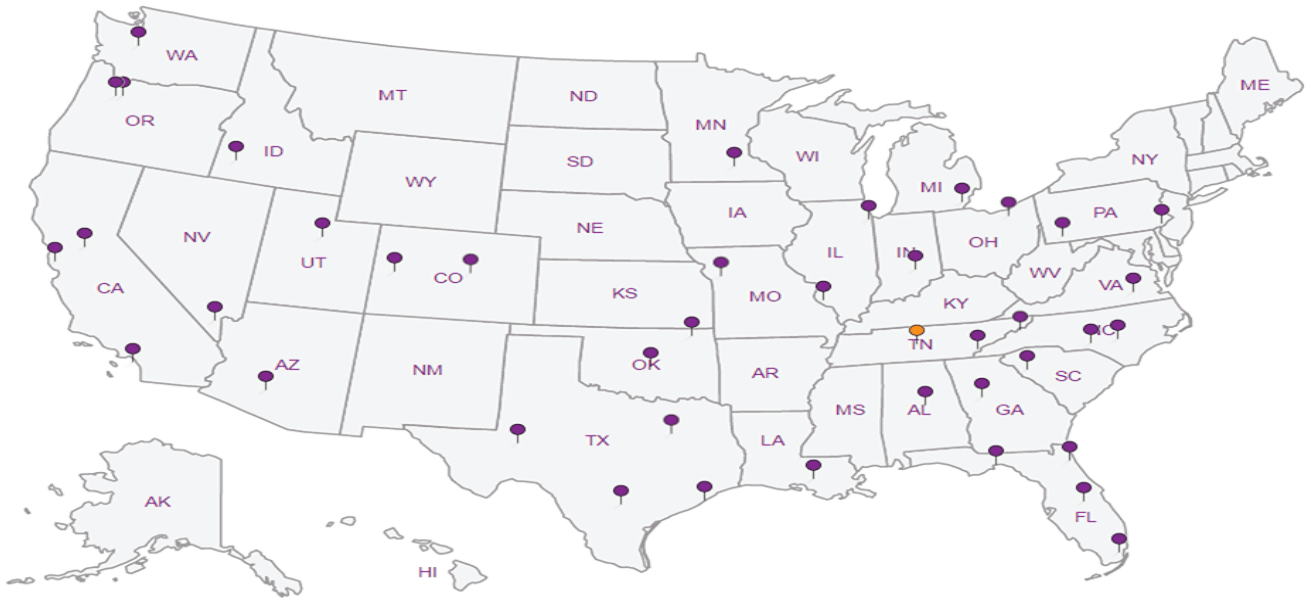
Third Party Federal Accreditations

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

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

Our Locations

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



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ANALYTICAL REPORT

March 25, 2019

PES Environmental, Inc.- WA

Sample Delivery Group:	L1079439
Samples Received:	03/15/2019
Project Number:	1413.001.05.601
Description:	American Linen
Report To:	Brian O'Neal/Bill Haldeman
	1215 Fourth Ave., Suite 1350
	Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



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MW131-031119 L1079439-01 GW

Collected by: KZ/BH | Collected date/time: 03/11/19 12:10 | Received date/time: 03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1251425	1	03/19/19 08:36	03/19/19 08:36	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252994	1	03/22/19 06:17	03/22/19 06:17	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1254059	1	03/22/19 14:29	03/22/19 14:29	ADM	Mt. Juliet, TN

W-MW-01-031119 L1079439-02 GW

Collected by: KZ/BH | Collected date/time: 03/11/19 12:00 | Received date/time: 03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1251425	1	03/19/19 09:00	03/19/19 09:00	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252994	1	03/22/19 06:37	03/22/19 06:37	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1254059	1	03/22/19 14:48	03/22/19 14:48	ADM	Mt. Juliet, TN

MW132-031119 L1079439-03 GW

Collected by: KZ/BH | Collected date/time: 03/11/19 13:35 | Received date/time: 03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1251425	1	03/19/19 09:25	03/19/19 09:25	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252994	1	03/22/19 06:57	03/22/19 06:57	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1254059	1	03/22/19 15:07	03/22/19 15:07	ADM	Mt. Juliet, TN

W-MW-02-031119 L1079439-04 GW

Collected by: KZ/BH | Collected date/time: 03/11/19 14:45 | Received date/time: 03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1251425	1	03/19/19 09:48	03/19/19 09:48	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252994	1	03/22/19 07:17	03/22/19 07:17	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1254059	1	03/22/19 15:27	03/22/19 15:27	ADM	Mt. Juliet, TN

MW141-031119 L1079439-05 GW

Collected by: KZ/BH | Collected date/time: 03/11/19 13:35 | Received date/time: 03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1251425	1	03/19/19 10:12	03/19/19 10:12	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252994	1	03/22/19 08:43	03/22/19 08:43	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1254059	1	03/22/19 15:46	03/22/19 15:46	ADM	Mt. Juliet, TN

MW137-031119 L1079439-06 GW

Collected by: KZ/BH | Collected date/time: 03/11/19 15:20 | Received date/time: 03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1251425	1	03/19/19 10:36	03/19/19 10:36	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252994	1	03/22/19 09:03	03/22/19 09:03	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1254059	1	03/22/19 16:05	03/22/19 16:05	ADM	Mt. Juliet, TN

EQ-031119 L1079439-07 GW

Collected by: KZ/BH | Collected date/time: 03/11/19 16:00 | Received date/time: 03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1251425	1	03/19/19 12:51	03/19/19 12:51	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252994	1	03/22/19 09:23	03/22/19 09:23	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1254076	1	03/22/19 14:54	03/22/19 14:54	JHH	Mt. Juliet, TN

MW139-031119 L1079439-08 GW

Collected by: KZ/BH | Collected date/time: 03/11/19 16:45 | Received date/time: 03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1251425	1	03/19/19 13:15	03/19/19 13:15	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252994	1	03/22/19 09:42	03/22/19 09:42	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1254076	1	03/22/19 15:14	03/22/19 15:14	JHH	Mt. Juliet, TN

MW162-031219 L1079439-09 GW

Collected by: KZ/BH | Collected date/time: 03/12/19 11:10 | Received date/time: 03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1251425	1	03/19/19 13:38	03/19/19 13:38	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252994	1	03/22/19 10:02	03/22/19 10:02	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1254076	20	03/22/19 15:34	03/22/19 15:34	JHH	Mt. Juliet, TN

MW152-031219 L1079439-10 GW

Collected by: KZ/BH | Collected date/time: 03/12/19 12:20 | Received date/time: 03/15/19 08:45

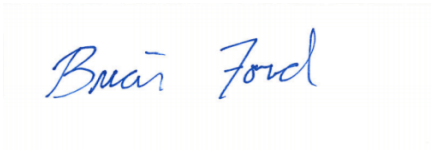
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1251425	10	03/19/19 14:02	03/19/19 14:02	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252994	25	03/22/19 10:40	03/22/19 10:40	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1254076	2000	03/22/19 15:55	03/22/19 15:55	JHH	Mt. Juliet, TN

TRIP BLANK-031419 L1079439-11 GW

Collected by: KZ/BH | Collected date/time: 03/14/19 12:00 | Received date/time: 03/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1251425	1	03/19/19 07:48	03/19/19 07:48	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1252994	1	03/22/19 05:37	03/22/19 05:37	JAH	Mt. Juliet, TN

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



Brian Ford
Project Manager

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	03/19/2019 08:36	WG1251425
(S) a,a,a-Trifluorotoluene(FID)	*98.1*			*78.0-120*		*03/19/2019 08:36*	WG1251425

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	52.6		1.05	25.0	1	03/22/2019 06:17	WG1252994
Acrylonitrile	U		0.873	5.00	1	03/22/2019 06:17	WG1252994
Benzene	0.152	J	0.0896	0.500	1	03/22/2019 06:17	WG1252994
Bromobenzene	U		0.133	0.500	1	03/22/2019 06:17	WG1252994
Bromodichloromethane	U		0.0800	0.500	1	03/22/2019 06:17	WG1252994
Bromochloromethane	U		0.145	0.500	1	03/22/2019 06:17	WG1252994
Bromoform	U		0.186	0.500	1	03/22/2019 06:17	WG1252994
Bromomethane	U		0.157	2.50	1	03/22/2019 06:17	WG1252994
n-Butylbenzene	U		0.143	0.500	1	03/22/2019 06:17	WG1252994
sec-Butylbenzene	U		0.134	0.500	1	03/22/2019 06:17	WG1252994
tert-Butylbenzene	U		0.183	0.500	1	03/22/2019 06:17	WG1252994
Carbon disulfide	U		0.101	0.500	1	03/22/2019 06:17	WG1252994
Carbon tetrachloride	U		0.159	0.500	1	03/22/2019 06:17	WG1252994
Chlorobenzene	U		0.140	0.500	1	03/22/2019 06:17	WG1252994
Chlorodibromomethane	U		0.128	0.500	1	03/22/2019 06:17	WG1252994
Chloroethane	0.386	J	0.141	2.50	1	03/22/2019 06:17	WG1252994
Chloroform	U		0.0860	0.500	1	03/22/2019 06:17	WG1252994
Chloromethane	U		0.153	1.25	1	03/22/2019 06:17	WG1252994
2-Chlorotoluene	U		0.111	0.500	1	03/22/2019 06:17	WG1252994
4-Chlorotoluene	U		0.0972	0.500	1	03/22/2019 06:17	WG1252994
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	03/22/2019 06:17	WG1252994
1,2-Dibromoethane	U		0.193	0.500	1	03/22/2019 06:17	WG1252994
Dibromomethane	U		0.117	0.500	1	03/22/2019 06:17	WG1252994
1,2-Dichlorobenzene	U		0.101	0.500	1	03/22/2019 06:17	WG1252994
1,3-Dichlorobenzene	U		0.130	0.500	1	03/22/2019 06:17	WG1252994
1,4-Dichlorobenzene	U		0.121	0.500	1	03/22/2019 06:17	WG1252994
Dichlorodifluoromethane	U		0.127	2.50	1	03/22/2019 06:17	WG1252994
1,1-Dichloroethane	U		0.114	0.500	1	03/22/2019 06:17	WG1252994
1,2-Dichloroethane	U		0.108	0.500	1	03/22/2019 06:17	WG1252994
1,1-Dichloroethene	U		0.188	0.500	1	03/22/2019 06:17	WG1252994
cis-1,2-Dichloroethene	0.250	J	0.0933	0.500	1	03/22/2019 14:29	WG1254059
trans-1,2-Dichloroethene	U		0.152	0.500	1	03/22/2019 06:17	WG1252994
1,2-Dichloropropane	U		0.190	0.500	1	03/22/2019 06:17	WG1252994
1,1-Dichloropropene	U		0.128	0.500	1	03/22/2019 06:17	WG1252994
1,3-Dichloropropane	U		0.147	1.00	1	03/22/2019 06:17	WG1252994
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/22/2019 06:17	WG1252994
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/22/2019 06:17	WG1252994
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	03/22/2019 06:17	WG1252994
2,2-Dichloropropane	U		0.0929	0.500	1	03/22/2019 06:17	WG1252994
Di-isopropyl ether	U		0.0924	0.500	1	03/22/2019 06:17	WG1252994
Ethylbenzene	U		0.158	0.500	1	03/22/2019 06:17	WG1252994
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/22/2019 06:17	WG1252994
2-Hexanone	1.26	J	0.757	5.00	1	03/22/2019 06:17	WG1252994
n-Hexane	U		0.305	5.00	1	03/22/2019 06:17	WG1252994
Iodomethane	U		0.377	10.0	1	03/22/2019 06:17	WG1252994
Isopropylbenzene	U		0.126	0.500	1	03/22/2019 06:17	WG1252994
p-Isopropyltoluene	U		0.138	0.500	1	03/22/2019 06:17	WG1252994
2-Butanone (MEK)	25.4		1.28	5.00	1	03/22/2019 06:17	WG1252994

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	03/22/2019 06:17	WG1252994
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	03/22/2019 06:17	WG1252994
Methyl tert-butyl ether	U		0.102	0.500	1	03/22/2019 06:17	WG1252994
Naphthalene	U		0.174	2.50	1	03/22/2019 06:17	WG1252994
n-Propylbenzene	U		0.162	0.500	1	03/22/2019 06:17	WG1252994
Styrene	0.145	J	0.117	0.500	1	03/22/2019 06:17	WG1252994
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/22/2019 06:17	WG1252994
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	03/22/2019 06:17	WG1252994
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	03/22/2019 06:17	WG1252994
Tetrachloroethene	U		0.199	0.500	1	03/22/2019 06:17	WG1252994
Toluene	U		0.412	0.500	1	03/22/2019 06:17	WG1252994
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/22/2019 06:17	WG1252994
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/22/2019 06:17	WG1252994
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/22/2019 06:17	WG1252994
1,1,2-Trichloroethane	U		0.186	0.500	1	03/22/2019 06:17	WG1252994
Trichloroethene	U		0.153	0.500	1	03/22/2019 14:29	WG1254059
Trichlorofluoromethane	U		0.130	2.50	1	03/22/2019 06:17	WG1252994
1,2,3-Trichloropropane	U		0.247	2.50	1	03/22/2019 06:17	WG1252994
1,2,4-Trimethylbenzene	U		0.123	0.500	1	03/22/2019 06:17	WG1252994
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	03/22/2019 06:17	WG1252994
1,3,5-Trimethylbenzene	U		0.124	0.500	1	03/22/2019 06:17	WG1252994
Vinyl acetate	U	J0 J3	0.645	5.00	1	03/22/2019 06:17	WG1252994
Vinyl chloride	U		0.118	0.500	1	03/22/2019 06:17	WG1252994
Xylenes, Total	U		0.316	1.50	1	03/22/2019 06:17	WG1252994
(S) Toluene-d8	*102*			*80.0-120*		*03/22/2019 06:17*	WG1252994
(S) Toluene-d8	*107*			*80.0-120*		*03/22/2019 14:29*	WG1254059
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*03/22/2019 06:17*	WG1252994
(S) 4-Bromofluorobenzene	*96.3*			*77.0-126*		*03/22/2019 14:29*	WG1254059
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*03/22/2019 06:17*	WG1252994
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*03/22/2019 14:29*	WG1254059

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	03/19/2019 09:00	WG1251425
(S) a,a,a-Trifluorotoluene(FID)	*98.1*			*78.0-120*		*03/19/2019 09:00*	WG1251425

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	03/22/2019 06:37	WG1252994
Acrylonitrile	U		0.873	5.00	1	03/22/2019 06:37	WG1252994
Benzene	U		0.0896	0.500	1	03/22/2019 06:37	WG1252994
Bromobenzene	U		0.133	0.500	1	03/22/2019 06:37	WG1252994
Bromodichloromethane	U		0.0800	0.500	1	03/22/2019 06:37	WG1252994
Bromochloromethane	U		0.145	0.500	1	03/22/2019 06:37	WG1252994
Bromoform	U		0.186	0.500	1	03/22/2019 06:37	WG1252994
Bromomethane	U		0.157	2.50	1	03/22/2019 06:37	WG1252994
n-Butylbenzene	U		0.143	0.500	1	03/22/2019 06:37	WG1252994
sec-Butylbenzene	U		0.134	0.500	1	03/22/2019 06:37	WG1252994
tert-Butylbenzene	U		0.183	0.500	1	03/22/2019 06:37	WG1252994
Carbon disulfide	U		0.101	0.500	1	03/22/2019 06:37	WG1252994
Carbon tetrachloride	U		0.159	0.500	1	03/22/2019 06:37	WG1252994
Chlorobenzene	U		0.140	0.500	1	03/22/2019 06:37	WG1252994
Chlorodibromomethane	U		0.128	0.500	1	03/22/2019 06:37	WG1252994
Chloroethane	U		0.141	2.50	1	03/22/2019 06:37	WG1252994
Chloroform	U		0.0860	0.500	1	03/22/2019 06:37	WG1252994
Chloromethane	U		0.153	1.25	1	03/22/2019 06:37	WG1252994
2-Chlorotoluene	U		0.111	0.500	1	03/22/2019 06:37	WG1252994
4-Chlorotoluene	U		0.0972	0.500	1	03/22/2019 06:37	WG1252994
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	03/22/2019 06:37	WG1252994
1,2-Dibromoethane	U		0.193	0.500	1	03/22/2019 06:37	WG1252994
Dibromomethane	U		0.117	0.500	1	03/22/2019 06:37	WG1252994
1,2-Dichlorobenzene	U		0.101	0.500	1	03/22/2019 06:37	WG1252994
1,3-Dichlorobenzene	U		0.130	0.500	1	03/22/2019 06:37	WG1252994
1,4-Dichlorobenzene	U		0.121	0.500	1	03/22/2019 06:37	WG1252994
Dichlorodifluoromethane	U		0.127	2.50	1	03/22/2019 06:37	WG1252994
1,1-Dichloroethane	U		0.114	0.500	1	03/22/2019 06:37	WG1252994
1,2-Dichloroethane	U		0.108	0.500	1	03/22/2019 06:37	WG1252994
1,1-Dichloroethene	U		0.188	0.500	1	03/22/2019 06:37	WG1252994
cis-1,2-Dichloroethene	0.396	J	0.0933	0.500	1	03/22/2019 14:48	WG1254059
trans-1,2-Dichloroethene	U		0.152	0.500	1	03/22/2019 06:37	WG1252994
1,2-Dichloropropane	U		0.190	0.500	1	03/22/2019 06:37	WG1252994
1,1-Dichloropropene	U		0.128	0.500	1	03/22/2019 06:37	WG1252994
1,3-Dichloropropane	U		0.147	1.00	1	03/22/2019 06:37	WG1252994
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/22/2019 06:37	WG1252994
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/22/2019 06:37	WG1252994
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	03/22/2019 06:37	WG1252994
2,2-Dichloropropane	U		0.0929	0.500	1	03/22/2019 06:37	WG1252994
Di-isopropyl ether	U		0.0924	0.500	1	03/22/2019 06:37	WG1252994
Ethylbenzene	U		0.158	0.500	1	03/22/2019 06:37	WG1252994
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/22/2019 06:37	WG1252994
2-Hexanone	U		0.757	5.00	1	03/22/2019 06:37	WG1252994
n-Hexane	U		0.305	5.00	1	03/22/2019 06:37	WG1252994
Iodomethane	U		0.377	10.0	1	03/22/2019 06:37	WG1252994
Isopropylbenzene	U		0.126	0.500	1	03/22/2019 06:37	WG1252994
p-Isopropyltoluene	U		0.138	0.500	1	03/22/2019 06:37	WG1252994
2-Butanone (MEK)	U		1.28	5.00	1	03/22/2019 06:37	WG1252994

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	03/22/2019 06:37	WG1252994
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	03/22/2019 06:37	WG1252994
Methyl tert-butyl ether	U		0.102	0.500	1	03/22/2019 06:37	WG1252994
Naphthalene	U		0.174	2.50	1	03/22/2019 06:37	WG1252994
n-Propylbenzene	U		0.162	0.500	1	03/22/2019 06:37	WG1252994
Styrene	U		0.117	0.500	1	03/22/2019 06:37	WG1252994
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/22/2019 06:37	WG1252994
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	03/22/2019 06:37	WG1252994
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	03/22/2019 06:37	WG1252994
Tetrachloroethene	0.520		0.199	0.500	1	03/22/2019 06:37	WG1252994
Toluene	U		0.412	0.500	1	03/22/2019 06:37	WG1252994
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/22/2019 06:37	WG1252994
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/22/2019 06:37	WG1252994
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/22/2019 06:37	WG1252994
1,1,2-Trichloroethane	U		0.186	0.500	1	03/22/2019 06:37	WG1252994
Trichloroethene	0.301	J	0.153	0.500	1	03/22/2019 14:48	WG1254059
Trichlorofluoromethane	U		0.130	2.50	1	03/22/2019 06:37	WG1252994
1,2,3-Trichloropropane	U		0.247	2.50	1	03/22/2019 06:37	WG1252994
1,2,4-Trimethylbenzene	U		0.123	0.500	1	03/22/2019 06:37	WG1252994
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	03/22/2019 06:37	WG1252994
1,3,5-Trimethylbenzene	U		0.124	0.500	1	03/22/2019 06:37	WG1252994
Vinyl acetate	U	J0 J3	0.645	5.00	1	03/22/2019 06:37	WG1252994
Vinyl chloride	7.24		0.118	0.500	1	03/22/2019 06:37	WG1252994
Xylenes, Total	U		0.316	1.50	1	03/22/2019 06:37	WG1252994
(S) Toluene-d8	*98.6*			*80.0-120*		*03/22/2019 06:37*	WG1252994
(S) Toluene-d8	*110*			*80.0-120*		*03/22/2019 14:48*	WG1254059
(S) 4-Bromofluorobenzene	*98.0*			*77.0-126*		*03/22/2019 06:37*	WG1252994
(S) 4-Bromofluorobenzene	*92.6*			*77.0-126*		*03/22/2019 14:48*	WG1254059
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*03/22/2019 06:37*	WG1252994
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*03/22/2019 14:48*	WG1254059

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	03/19/2019 09:25	WG1251425
(S) a,a,a-Trifluorotoluene(FID)	*97.7*			*78.0-120*		*03/19/2019 09:25*	WG1251425

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	03/22/2019 06:57	WG1252994
Acrylonitrile	U		0.873	5.00	1	03/22/2019 06:57	WG1252994
Benzene	U		0.0896	0.500	1	03/22/2019 06:57	WG1252994
Bromobenzene	U		0.133	0.500	1	03/22/2019 06:57	WG1252994
Bromodichloromethane	U		0.0800	0.500	1	03/22/2019 06:57	WG1252994
Bromochloromethane	U		0.145	0.500	1	03/22/2019 06:57	WG1252994
Bromoform	U		0.186	0.500	1	03/22/2019 06:57	WG1252994
Bromomethane	U		0.157	2.50	1	03/22/2019 06:57	WG1252994
n-Butylbenzene	U		0.143	0.500	1	03/22/2019 06:57	WG1252994
sec-Butylbenzene	U		0.134	0.500	1	03/22/2019 06:57	WG1252994
tert-Butylbenzene	U		0.183	0.500	1	03/22/2019 06:57	WG1252994
Carbon disulfide	U		0.101	0.500	1	03/22/2019 06:57	WG1252994
Carbon tetrachloride	U		0.159	0.500	1	03/22/2019 06:57	WG1252994
Chlorobenzene	U		0.140	0.500	1	03/22/2019 06:57	WG1252994
Chlorodibromomethane	U		0.128	0.500	1	03/22/2019 06:57	WG1252994
Chloroethane	U		0.141	2.50	1	03/22/2019 06:57	WG1252994
Chloroform	U		0.0860	0.500	1	03/22/2019 06:57	WG1252994
Chloromethane	U		0.153	1.25	1	03/22/2019 06:57	WG1252994
2-Chlorotoluene	U		0.111	0.500	1	03/22/2019 06:57	WG1252994
4-Chlorotoluene	U		0.0972	0.500	1	03/22/2019 06:57	WG1252994
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	03/22/2019 06:57	WG1252994
1,2-Dibromoethane	U		0.193	0.500	1	03/22/2019 06:57	WG1252994
Dibromomethane	U		0.117	0.500	1	03/22/2019 06:57	WG1252994
1,2-Dichlorobenzene	U		0.101	0.500	1	03/22/2019 06:57	WG1252994
1,3-Dichlorobenzene	U		0.130	0.500	1	03/22/2019 06:57	WG1252994
1,4-Dichlorobenzene	U		0.121	0.500	1	03/22/2019 06:57	WG1252994
Dichlorodifluoromethane	U		0.127	2.50	1	03/22/2019 06:57	WG1252994
1,1-Dichloroethane	U		0.114	0.500	1	03/22/2019 06:57	WG1252994
1,2-Dichloroethane	U		0.108	0.500	1	03/22/2019 06:57	WG1252994
1,1-Dichloroethene	U		0.188	0.500	1	03/22/2019 06:57	WG1252994
cis-1,2-Dichloroethene	22.8		0.0933	0.500	1	03/22/2019 06:57	WG1252994
trans-1,2-Dichloroethene	0.302	J	0.152	0.500	1	03/22/2019 06:57	WG1252994
1,2-Dichloropropane	U		0.190	0.500	1	03/22/2019 06:57	WG1252994
1,1-Dichloropropene	U		0.128	0.500	1	03/22/2019 06:57	WG1252994
1,3-Dichloropropane	U		0.147	1.00	1	03/22/2019 06:57	WG1252994
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/22/2019 06:57	WG1252994
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/22/2019 06:57	WG1252994
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	03/22/2019 06:57	WG1252994
2,2-Dichloropropane	U		0.0929	0.500	1	03/22/2019 06:57	WG1252994
Di-isopropyl ether	U		0.0924	0.500	1	03/22/2019 06:57	WG1252994
Ethylbenzene	U		0.158	0.500	1	03/22/2019 06:57	WG1252994
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/22/2019 06:57	WG1252994
2-Hexanone	U		0.757	5.00	1	03/22/2019 06:57	WG1252994
n-Hexane	U		0.305	5.00	1	03/22/2019 06:57	WG1252994
Iodomethane	U		0.377	10.0	1	03/22/2019 06:57	WG1252994
Isopropylbenzene	U		0.126	0.500	1	03/22/2019 06:57	WG1252994
p-Isopropyltoluene	U		0.138	0.500	1	03/22/2019 06:57	WG1252994
2-Butanone (MEK)	U		1.28	5.00	1	03/22/2019 06:57	WG1252994

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	03/22/2019 06:57	WG1252994
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	03/22/2019 06:57	WG1252994
Methyl tert-butyl ether	U		0.102	0.500	1	03/22/2019 06:57	WG1252994
Naphthalene	U		0.174	2.50	1	03/22/2019 06:57	WG1252994
n-Propylbenzene	U		0.162	0.500	1	03/22/2019 06:57	WG1252994
Styrene	U		0.117	0.500	1	03/22/2019 06:57	WG1252994
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/22/2019 06:57	WG1252994
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	03/22/2019 06:57	WG1252994
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	03/22/2019 06:57	WG1252994
Tetrachloroethene	7.03		0.199	0.500	1	03/22/2019 06:57	WG1252994
Toluene	U		0.412	0.500	1	03/22/2019 06:57	WG1252994
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/22/2019 06:57	WG1252994
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/22/2019 06:57	WG1252994
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/22/2019 06:57	WG1252994
1,1,2-Trichloroethane	U		0.186	0.500	1	03/22/2019 06:57	WG1252994
Trichloroethene	1.22		0.153	0.500	1	03/22/2019 15:07	WG1254059
Trichlorofluoromethane	U		0.130	2.50	1	03/22/2019 06:57	WG1252994
1,2,3-Trichloropropane	U		0.247	2.50	1	03/22/2019 06:57	WG1252994
1,2,4-Trimethylbenzene	U		0.123	0.500	1	03/22/2019 06:57	WG1252994
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	03/22/2019 06:57	WG1252994
1,3,5-Trimethylbenzene	U		0.124	0.500	1	03/22/2019 06:57	WG1252994
Vinyl acetate	U	J0 J3	0.645	5.00	1	03/22/2019 06:57	WG1252994
Vinyl chloride	57.3		0.118	0.500	1	03/22/2019 06:57	WG1252994
Xylenes, Total	U		0.316	1.50	1	03/22/2019 06:57	WG1252994
(S) Toluene-d8	*99.9*			*80.0-120*		*03/22/2019 06:57*	WG1252994
(S) Toluene-d8	*108*			*80.0-120*		*03/22/2019 15:07*	WG1254059
(S) 4-Bromofluorobenzene	*97.4*			*77.0-126*		*03/22/2019 06:57*	WG1252994
(S) 4-Bromofluorobenzene	*91.8*			*77.0-126*		*03/22/2019 15:07*	WG1254059
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*03/22/2019 06:57*	WG1252994
(S) 1,2-Dichloroethane-d4	*118*			*70.0-130*		*03/22/2019 15:07*	WG1254059

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	03/19/2019 09:48	WG1251425
(S) a,a,a-Trifluorotoluene(FID)	*97.9*			*78.0-120*		*03/19/2019 09:48*	WG1251425

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	3.26	J	1.05	25.0	1	03/22/2019 07:17	WG1252994
Acrylonitrile	U		0.873	5.00	1	03/22/2019 07:17	WG1252994
Benzene	U		0.0896	0.500	1	03/22/2019 07:17	WG1252994
Bromobenzene	U		0.133	0.500	1	03/22/2019 07:17	WG1252994
Bromodichloromethane	U		0.0800	0.500	1	03/22/2019 07:17	WG1252994
Bromochloromethane	U		0.145	0.500	1	03/22/2019 07:17	WG1252994
Bromoform	U		0.186	0.500	1	03/22/2019 07:17	WG1252994
Bromomethane	U		0.157	2.50	1	03/22/2019 07:17	WG1252994
n-Butylbenzene	U		0.143	0.500	1	03/22/2019 07:17	WG1252994
sec-Butylbenzene	U		0.134	0.500	1	03/22/2019 07:17	WG1252994
tert-Butylbenzene	U		0.183	0.500	1	03/22/2019 07:17	WG1252994
Carbon disulfide	U		0.101	0.500	1	03/22/2019 07:17	WG1252994
Carbon tetrachloride	U		0.159	0.500	1	03/22/2019 07:17	WG1252994
Chlorobenzene	U		0.140	0.500	1	03/22/2019 07:17	WG1252994
Chlorodibromomethane	U		0.128	0.500	1	03/22/2019 07:17	WG1252994
Chloroethane	U		0.141	2.50	1	03/22/2019 07:17	WG1252994
Chloroform	U		0.0860	0.500	1	03/22/2019 07:17	WG1252994
Chloromethane	U		0.153	1.25	1	03/22/2019 07:17	WG1252994
2-Chlorotoluene	U		0.111	0.500	1	03/22/2019 07:17	WG1252994
4-Chlorotoluene	U		0.0972	0.500	1	03/22/2019 07:17	WG1252994
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	03/22/2019 07:17	WG1252994
1,2-Dibromoethane	U		0.193	0.500	1	03/22/2019 07:17	WG1252994
Dibromomethane	U		0.117	0.500	1	03/22/2019 07:17	WG1252994
1,2-Dichlorobenzene	U		0.101	0.500	1	03/22/2019 07:17	WG1252994
1,3-Dichlorobenzene	U		0.130	0.500	1	03/22/2019 07:17	WG1252994
1,4-Dichlorobenzene	U		0.121	0.500	1	03/22/2019 07:17	WG1252994
Dichlorodifluoromethane	U		0.127	2.50	1	03/22/2019 07:17	WG1252994
1,1-Dichloroethane	U		0.114	0.500	1	03/22/2019 07:17	WG1252994
1,2-Dichloroethane	U		0.108	0.500	1	03/22/2019 07:17	WG1252994
1,1-Dichloroethene	U		0.188	0.500	1	03/22/2019 07:17	WG1252994
cis-1,2-Dichloroethene	2.41		0.0933	0.500	1	03/22/2019 07:17	WG1252994
trans-1,2-Dichloroethene	0.316	J	0.152	0.500	1	03/22/2019 07:17	WG1252994
1,2-Dichloropropane	U		0.190	0.500	1	03/22/2019 07:17	WG1252994
1,1-Dichloropropene	U		0.128	0.500	1	03/22/2019 07:17	WG1252994
1,3-Dichloropropane	U		0.147	1.00	1	03/22/2019 07:17	WG1252994
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/22/2019 07:17	WG1252994
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/22/2019 07:17	WG1252994
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	03/22/2019 07:17	WG1252994
2,2-Dichloropropane	U		0.0929	0.500	1	03/22/2019 07:17	WG1252994
Di-isopropyl ether	U		0.0924	0.500	1	03/22/2019 07:17	WG1252994
Ethylbenzene	U		0.158	0.500	1	03/22/2019 07:17	WG1252994
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/22/2019 07:17	WG1252994
2-Hexanone	U		0.757	5.00	1	03/22/2019 07:17	WG1252994
n-Hexane	U		0.305	5.00	1	03/22/2019 07:17	WG1252994
Iodomethane	U		0.377	10.0	1	03/22/2019 07:17	WG1252994
Isopropylbenzene	U		0.126	0.500	1	03/22/2019 07:17	WG1252994
p-Isopropyltoluene	U		0.138	0.500	1	03/22/2019 07:17	WG1252994
2-Butanone (MEK)	U		1.28	5.00	1	03/22/2019 07:17	WG1252994

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	03/22/2019 07:17	WG1252994
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	03/22/2019 07:17	WG1252994
Methyl tert-butyl ether	U		0.102	0.500	1	03/22/2019 07:17	WG1252994
Naphthalene	U		0.174	2.50	1	03/22/2019 07:17	WG1252994
n-Propylbenzene	U		0.162	0.500	1	03/22/2019 07:17	WG1252994
Styrene	U		0.117	0.500	1	03/22/2019 07:17	WG1252994
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/22/2019 07:17	WG1252994
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	03/22/2019 07:17	WG1252994
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	03/22/2019 07:17	WG1252994
Tetrachloroethene	U		0.199	0.500	1	03/22/2019 07:17	WG1252994
Toluene	1.12		0.412	0.500	1	03/22/2019 07:17	WG1252994
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/22/2019 07:17	WG1252994
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/22/2019 07:17	WG1252994
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/22/2019 07:17	WG1252994
1,1,2-Trichloroethane	U		0.186	0.500	1	03/22/2019 07:17	WG1252994
Trichloroethene	U		0.153	0.500	1	03/22/2019 15:27	WG1254059
Trichlorofluoromethane	U		0.130	2.50	1	03/22/2019 07:17	WG1252994
1,2,3-Trichloropropane	U		0.247	2.50	1	03/22/2019 07:17	WG1252994
1,2,4-Trimethylbenzene	U		0.123	0.500	1	03/22/2019 07:17	WG1252994
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	03/22/2019 07:17	WG1252994
1,3,5-Trimethylbenzene	U		0.124	0.500	1	03/22/2019 07:17	WG1252994
Vinyl acetate	U	J0 J3	0.645	5.00	1	03/22/2019 07:17	WG1252994
Vinyl chloride	2.43		0.118	0.500	1	03/22/2019 07:17	WG1252994
Xylenes, Total	U		0.316	1.50	1	03/22/2019 07:17	WG1252994
(S) Toluene-d8	*100*			*80.0-120*		*03/22/2019 07:17*	WG1252994
(S) Toluene-d8	*106*			*80.0-120*		*03/22/2019 15:27*	WG1254059
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*03/22/2019 07:17*	WG1252994
(S) 4-Bromofluorobenzene	*97.2*			*77.0-126*		*03/22/2019 15:27*	WG1254059
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*03/22/2019 07:17*	WG1252994
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*03/22/2019 15:27*	WG1254059

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	03/19/2019 10:12	WG1251425
(S) a,a,a-Trifluorotoluene(FID)	*97.9*			*78.0-120*		*03/19/2019 10:12*	WG1251425

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	1.24	J	1.05	25.0	1	03/22/2019 08:43	WG1252994
Acrylonitrile	U		0.873	5.00	1	03/22/2019 08:43	WG1252994
Benzene	U		0.0896	0.500	1	03/22/2019 08:43	WG1252994
Bromobenzene	U		0.133	0.500	1	03/22/2019 08:43	WG1252994
Bromodichloromethane	U		0.0800	0.500	1	03/22/2019 08:43	WG1252994
Bromochloromethane	U		0.145	0.500	1	03/22/2019 08:43	WG1252994
Bromoform	U		0.186	0.500	1	03/22/2019 08:43	WG1252994
Bromomethane	U		0.157	2.50	1	03/22/2019 08:43	WG1252994
n-Butylbenzene	U		0.143	0.500	1	03/22/2019 08:43	WG1252994
sec-Butylbenzene	U		0.134	0.500	1	03/22/2019 08:43	WG1252994
tert-Butylbenzene	U		0.183	0.500	1	03/22/2019 08:43	WG1252994
Carbon disulfide	U		0.101	0.500	1	03/22/2019 08:43	WG1252994
Carbon tetrachloride	U		0.159	0.500	1	03/22/2019 08:43	WG1252994
Chlorobenzene	U		0.140	0.500	1	03/22/2019 08:43	WG1252994
Chlorodibromomethane	U		0.128	0.500	1	03/22/2019 08:43	WG1252994
Chloroethane	U		0.141	2.50	1	03/22/2019 08:43	WG1252994
Chloroform	U		0.0860	0.500	1	03/22/2019 08:43	WG1252994
Chloromethane	U		0.153	1.25	1	03/22/2019 08:43	WG1252994
2-Chlorotoluene	U		0.111	0.500	1	03/22/2019 08:43	WG1252994
4-Chlorotoluene	U		0.0972	0.500	1	03/22/2019 08:43	WG1252994
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	03/22/2019 08:43	WG1252994
1,2-Dibromoethane	U		0.193	0.500	1	03/22/2019 08:43	WG1252994
Dibromomethane	U		0.117	0.500	1	03/22/2019 08:43	WG1252994
1,2-Dichlorobenzene	U		0.101	0.500	1	03/22/2019 08:43	WG1252994
1,3-Dichlorobenzene	U		0.130	0.500	1	03/22/2019 08:43	WG1252994
1,4-Dichlorobenzene	U		0.121	0.500	1	03/22/2019 08:43	WG1252994
Dichlorodifluoromethane	U		0.127	2.50	1	03/22/2019 08:43	WG1252994
1,1-Dichloroethane	U		0.114	0.500	1	03/22/2019 08:43	WG1252994
1,2-Dichloroethane	U		0.108	0.500	1	03/22/2019 08:43	WG1252994
1,1-Dichloroethene	U		0.188	0.500	1	03/22/2019 08:43	WG1252994
cis-1,2-Dichloroethene	1.30		0.0933	0.500	1	03/22/2019 08:43	WG1252994
trans-1,2-Dichloroethene	U		0.152	0.500	1	03/22/2019 08:43	WG1252994
1,2-Dichloropropane	U		0.190	0.500	1	03/22/2019 08:43	WG1252994
1,1-Dichloropropene	U		0.128	0.500	1	03/22/2019 08:43	WG1252994
1,3-Dichloropropane	U		0.147	1.00	1	03/22/2019 08:43	WG1252994
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/22/2019 08:43	WG1252994
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/22/2019 08:43	WG1252994
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	03/22/2019 08:43	WG1252994
2,2-Dichloropropane	U		0.0929	0.500	1	03/22/2019 08:43	WG1252994
Di-isopropyl ether	U		0.0924	0.500	1	03/22/2019 08:43	WG1252994
Ethylbenzene	U		0.158	0.500	1	03/22/2019 08:43	WG1252994
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/22/2019 08:43	WG1252994
2-Hexanone	U		0.757	5.00	1	03/22/2019 08:43	WG1252994
n-Hexane	U		0.305	5.00	1	03/22/2019 08:43	WG1252994
Iodomethane	U		0.377	10.0	1	03/22/2019 08:43	WG1252994
Isopropylbenzene	U		0.126	0.500	1	03/22/2019 08:43	WG1252994
p-Isopropyltoluene	U		0.138	0.500	1	03/22/2019 08:43	WG1252994
2-Butanone (MEK)	U		1.28	5.00	1	03/22/2019 08:43	WG1252994

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	03/22/2019 08:43	WG1252994
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	03/22/2019 08:43	WG1252994
Methyl tert-butyl ether	U		0.102	0.500	1	03/22/2019 08:43	WG1252994
Naphthalene	U		0.174	2.50	1	03/22/2019 08:43	WG1252994
n-Propylbenzene	U		0.162	0.500	1	03/22/2019 08:43	WG1252994
Styrene	U		0.117	0.500	1	03/22/2019 08:43	WG1252994
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/22/2019 08:43	WG1252994
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	03/22/2019 08:43	WG1252994
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	03/22/2019 08:43	WG1252994
Tetrachloroethene	0.701		0.199	0.500	1	03/22/2019 08:43	WG1252994
Toluene	U		0.412	0.500	1	03/22/2019 08:43	WG1252994
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/22/2019 08:43	WG1252994
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/22/2019 08:43	WG1252994
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/22/2019 08:43	WG1252994
1,1,2-Trichloroethane	U		0.186	0.500	1	03/22/2019 08:43	WG1252994
Trichloroethene	U		0.153	0.500	1	03/22/2019 15:46	WG1254059
Trichlorofluoromethane	U		0.130	2.50	1	03/22/2019 08:43	WG1252994
1,2,3-Trichloropropane	U		0.247	2.50	1	03/22/2019 08:43	WG1252994
1,2,4-Trimethylbenzene	U		0.123	0.500	1	03/22/2019 08:43	WG1252994
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	03/22/2019 08:43	WG1252994
1,3,5-Trimethylbenzene	U		0.124	0.500	1	03/22/2019 08:43	WG1252994
Vinyl acetate	U	J0 J3	0.645	5.00	1	03/22/2019 08:43	WG1252994
Vinyl chloride	0.557		0.118	0.500	1	03/22/2019 08:43	WG1252994
Xylenes, Total	U		0.316	1.50	1	03/22/2019 08:43	WG1252994
(S) Toluene-d8	*98.7*			*80.0-120*		*03/22/2019 08:43*	WG1252994
(S) Toluene-d8	*104*			*80.0-120*		*03/22/2019 15:46*	WG1254059
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*03/22/2019 08:43*	WG1252994
(S) 4-Bromofluorobenzene	*90.8*			*77.0-126*		*03/22/2019 15:46*	WG1254059
(S) 1,2-Dichloroethane-d4	*121*			*70.0-130*		*03/22/2019 08:43*	WG1252994
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*03/22/2019 15:46*	WG1254059

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	03/19/2019 10:36	WG1251425
(S) a,a,a-Trifluorotoluene(FID)	*98.2*			*78.0-120*		*03/19/2019 10:36*	WG1251425

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	03/22/2019 09:03	WG1252994
Acrylonitrile	U		0.873	5.00	1	03/22/2019 09:03	WG1252994
Benzene	U		0.0896	0.500	1	03/22/2019 09:03	WG1252994
Bromobenzene	U		0.133	0.500	1	03/22/2019 09:03	WG1252994
Bromodichloromethane	U		0.0800	0.500	1	03/22/2019 09:03	WG1252994
Bromochloromethane	U		0.145	0.500	1	03/22/2019 09:03	WG1252994
Bromoform	U		0.186	0.500	1	03/22/2019 09:03	WG1252994
Bromomethane	U		0.157	2.50	1	03/22/2019 09:03	WG1252994
n-Butylbenzene	U		0.143	0.500	1	03/22/2019 09:03	WG1252994
sec-Butylbenzene	U		0.134	0.500	1	03/22/2019 09:03	WG1252994
tert-Butylbenzene	U		0.183	0.500	1	03/22/2019 09:03	WG1252994
Carbon disulfide	U		0.101	0.500	1	03/22/2019 09:03	WG1252994
Carbon tetrachloride	U		0.159	0.500	1	03/22/2019 09:03	WG1252994
Chlorobenzene	U		0.140	0.500	1	03/22/2019 09:03	WG1252994
Chlorodibromomethane	U		0.128	0.500	1	03/22/2019 09:03	WG1252994
Chloroethane	U		0.141	2.50	1	03/22/2019 09:03	WG1252994
Chloroform	U		0.0860	0.500	1	03/22/2019 09:03	WG1252994
Chloromethane	U		0.153	1.25	1	03/22/2019 09:03	WG1252994
2-Chlorotoluene	U		0.111	0.500	1	03/22/2019 09:03	WG1252994
4-Chlorotoluene	U		0.0972	0.500	1	03/22/2019 09:03	WG1252994
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	03/22/2019 09:03	WG1252994
1,2-Dibromoethane	U		0.193	0.500	1	03/22/2019 09:03	WG1252994
Dibromomethane	U		0.117	0.500	1	03/22/2019 09:03	WG1252994
1,2-Dichlorobenzene	U		0.101	0.500	1	03/22/2019 09:03	WG1252994
1,3-Dichlorobenzene	U		0.130	0.500	1	03/22/2019 09:03	WG1252994
1,4-Dichlorobenzene	U		0.121	0.500	1	03/22/2019 09:03	WG1252994
Dichlorodifluoromethane	U		0.127	2.50	1	03/22/2019 09:03	WG1252994
1,1-Dichloroethane	U		0.114	0.500	1	03/22/2019 09:03	WG1252994
1,2-Dichloroethane	U		0.108	0.500	1	03/22/2019 09:03	WG1252994
1,1-Dichloroethene	U		0.188	0.500	1	03/22/2019 09:03	WG1252994
cis-1,2-Dichloroethene	0.275	J	0.0933	0.500	1	03/22/2019 09:03	WG1252994
trans-1,2-Dichloroethene	U		0.152	0.500	1	03/22/2019 09:03	WG1252994
1,2-Dichloropropane	U		0.190	0.500	1	03/22/2019 09:03	WG1252994
1,1-Dichloropropene	U		0.128	0.500	1	03/22/2019 09:03	WG1252994
1,3-Dichloropropane	U		0.147	1.00	1	03/22/2019 09:03	WG1252994
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/22/2019 09:03	WG1252994
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/22/2019 09:03	WG1252994
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	03/22/2019 09:03	WG1252994
2,2-Dichloropropane	U		0.0929	0.500	1	03/22/2019 09:03	WG1252994
Di-isopropyl ether	U		0.0924	0.500	1	03/22/2019 09:03	WG1252994
Ethylbenzene	U		0.158	0.500	1	03/22/2019 09:03	WG1252994
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/22/2019 09:03	WG1252994
2-Hexanone	U		0.757	5.00	1	03/22/2019 09:03	WG1252994
n-Hexane	U		0.305	5.00	1	03/22/2019 09:03	WG1252994
Iodomethane	U		0.377	10.0	1	03/22/2019 09:03	WG1252994
Isopropylbenzene	U		0.126	0.500	1	03/22/2019 09:03	WG1252994
p-Isopropyltoluene	U		0.138	0.500	1	03/22/2019 09:03	WG1252994
2-Butanone (MEK)	U		1.28	5.00	1	03/22/2019 09:03	WG1252994

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	03/22/2019 09:03	WG1252994
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	03/22/2019 09:03	WG1252994
Methyl tert-butyl ether	U		0.102	0.500	1	03/22/2019 09:03	WG1252994
Naphthalene	U		0.174	2.50	1	03/22/2019 09:03	WG1252994
n-Propylbenzene	U		0.162	0.500	1	03/22/2019 09:03	WG1252994
Styrene	U		0.117	0.500	1	03/22/2019 09:03	WG1252994
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/22/2019 09:03	WG1252994
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	03/22/2019 09:03	WG1252994
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	03/22/2019 09:03	WG1252994
Tetrachloroethene	0.344	J	0.199	0.500	1	03/22/2019 09:03	WG1252994
Toluene	U		0.412	0.500	1	03/22/2019 09:03	WG1252994
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/22/2019 09:03	WG1252994
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/22/2019 09:03	WG1252994
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/22/2019 09:03	WG1252994
1,1,2-Trichloroethane	U		0.186	0.500	1	03/22/2019 09:03	WG1252994
Trichloroethene	U		0.153	0.500	1	03/22/2019 16:05	WG1254059
Trichlorofluoromethane	U		0.130	2.50	1	03/22/2019 09:03	WG1252994
1,2,3-Trichloropropane	U		0.247	2.50	1	03/22/2019 09:03	WG1252994
1,2,4-Trimethylbenzene	U		0.123	0.500	1	03/22/2019 09:03	WG1252994
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	03/22/2019 09:03	WG1252994
1,3,5-Trimethylbenzene	U		0.124	0.500	1	03/22/2019 09:03	WG1252994
Vinyl acetate	U	J0 J3	0.645	5.00	1	03/22/2019 09:03	WG1252994
Vinyl chloride	0.179	J	0.118	0.500	1	03/22/2019 09:03	WG1252994
Xylenes, Total	U		0.316	1.50	1	03/22/2019 09:03	WG1252994
(S) Toluene-d8	*98.8*			*80.0-120*		*03/22/2019 09:03*	WG1252994
(S) Toluene-d8	*106*			*80.0-120*		*03/22/2019 16:05*	WG1254059
(S) 4-Bromofluorobenzene	*96.5*			*77.0-126*		*03/22/2019 09:03*	WG1252994
(S) 4-Bromofluorobenzene	*91.5*			*77.0-126*		*03/22/2019 16:05*	WG1254059
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*03/22/2019 09:03*	WG1252994
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*03/22/2019 16:05*	WG1254059

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	03/19/2019 12:51	WG1251425
(S) a,a,a-Trifluorotoluene(FID)	*98.3*			*78.0-120*		*03/19/2019 12:51*	WG1251425

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	2.57	J	1.05	25.0	1	03/22/2019 09:23	WG1252994
Acrylonitrile	U		0.873	5.00	1	03/22/2019 09:23	WG1252994
Benzene	U		0.0896	0.500	1	03/22/2019 09:23	WG1252994
Bromobenzene	U		0.133	0.500	1	03/22/2019 09:23	WG1252994
Bromodichloromethane	0.209	J	0.0800	0.500	1	03/22/2019 09:23	WG1252994
Bromochloromethane	U		0.145	0.500	1	03/22/2019 09:23	WG1252994
Bromoform	U		0.186	0.500	1	03/22/2019 09:23	WG1252994
Bromomethane	U		0.157	2.50	1	03/22/2019 09:23	WG1252994
n-Butylbenzene	U		0.143	0.500	1	03/22/2019 09:23	WG1252994
sec-Butylbenzene	U		0.134	0.500	1	03/22/2019 09:23	WG1252994
tert-Butylbenzene	U		0.183	0.500	1	03/22/2019 09:23	WG1252994
Carbon disulfide	U		0.101	0.500	1	03/22/2019 09:23	WG1252994
Carbon tetrachloride	U		0.159	0.500	1	03/22/2019 09:23	WG1252994
Chlorobenzene	U		0.140	0.500	1	03/22/2019 09:23	WG1252994
Chlorodibromomethane	U		0.128	0.500	1	03/22/2019 09:23	WG1252994
Chloroethane	U		0.141	2.50	1	03/22/2019 09:23	WG1252994
Chloroform	0.302	J	0.0860	0.500	1	03/22/2019 09:23	WG1252994
Chloromethane	U		0.153	1.25	1	03/22/2019 09:23	WG1252994
2-Chlorotoluene	U		0.111	0.500	1	03/22/2019 09:23	WG1252994
4-Chlorotoluene	U		0.0972	0.500	1	03/22/2019 09:23	WG1252994
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	03/22/2019 09:23	WG1252994
1,2-Dibromoethane	U		0.193	0.500	1	03/22/2019 09:23	WG1252994
Dibromomethane	U		0.117	0.500	1	03/22/2019 09:23	WG1252994
1,2-Dichlorobenzene	U		0.101	0.500	1	03/22/2019 09:23	WG1252994
1,3-Dichlorobenzene	U		0.130	0.500	1	03/22/2019 09:23	WG1252994
1,4-Dichlorobenzene	U		0.121	0.500	1	03/22/2019 09:23	WG1252994
Dichlorodifluoromethane	U		0.127	2.50	1	03/22/2019 09:23	WG1252994
1,1-Dichloroethane	U		0.114	0.500	1	03/22/2019 09:23	WG1252994
1,2-Dichloroethane	U		0.108	0.500	1	03/22/2019 09:23	WG1252994
1,1-Dichloroethene	U		0.188	0.500	1	03/22/2019 09:23	WG1252994
cis-1,2-Dichloroethene	U		0.0933	0.500	1	03/22/2019 09:23	WG1252994
trans-1,2-Dichloroethene	U		0.152	0.500	1	03/22/2019 09:23	WG1252994
1,2-Dichloropropane	U		0.190	0.500	1	03/22/2019 09:23	WG1252994
1,1-Dichloropropene	U		0.128	0.500	1	03/22/2019 09:23	WG1252994
1,3-Dichloropropane	U		0.147	1.00	1	03/22/2019 09:23	WG1252994
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/22/2019 09:23	WG1252994
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/22/2019 09:23	WG1252994
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	03/22/2019 09:23	WG1252994
2,2-Dichloropropane	U		0.0929	0.500	1	03/22/2019 09:23	WG1252994
Di-isopropyl ether	U		0.0924	0.500	1	03/22/2019 09:23	WG1252994
Ethylbenzene	U		0.158	0.500	1	03/22/2019 09:23	WG1252994
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/22/2019 09:23	WG1252994
2-Hexanone	U		0.757	5.00	1	03/22/2019 09:23	WG1252994
n-Hexane	U		0.305	5.00	1	03/22/2019 09:23	WG1252994
Iodomethane	U		0.377	10.0	1	03/22/2019 09:23	WG1252994
Isopropylbenzene	U		0.126	0.500	1	03/22/2019 09:23	WG1252994
p-Isopropyltoluene	U		0.138	0.500	1	03/22/2019 09:23	WG1252994
2-Butanone (MEK)	U		1.28	5.00	1	03/22/2019 09:23	WG1252994

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	03/22/2019 09:23	WG1252994
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	03/22/2019 09:23	WG1252994
Methyl tert-butyl ether	U		0.102	0.500	1	03/22/2019 09:23	WG1252994
Naphthalene	U		0.174	2.50	1	03/22/2019 09:23	WG1252994
n-Propylbenzene	U		0.162	0.500	1	03/22/2019 09:23	WG1252994
Styrene	U		0.117	0.500	1	03/22/2019 09:23	WG1252994
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/22/2019 09:23	WG1252994
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	03/22/2019 09:23	WG1252994
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	03/22/2019 09:23	WG1252994
Tetrachloroethene	U		0.199	0.500	1	03/22/2019 09:23	WG1252994
Toluene	U		0.412	0.500	1	03/22/2019 09:23	WG1252994
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/22/2019 09:23	WG1252994
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/22/2019 09:23	WG1252994
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/22/2019 09:23	WG1252994
1,1,2-Trichloroethane	U		0.186	0.500	1	03/22/2019 09:23	WG1252994
Trichloroethene	U		0.153	0.500	1	03/22/2019 14:54	WG1254076
Trichlorofluoromethane	U		0.130	2.50	1	03/22/2019 09:23	WG1252994
1,2,3-Trichloropropane	U		0.247	2.50	1	03/22/2019 09:23	WG1252994
1,2,4-Trimethylbenzene	U		0.123	0.500	1	03/22/2019 09:23	WG1252994
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	03/22/2019 09:23	WG1252994
1,3,5-Trimethylbenzene	U		0.124	0.500	1	03/22/2019 09:23	WG1252994
Vinyl acetate	U	J0 J3	0.645	5.00	1	03/22/2019 09:23	WG1252994
Vinyl chloride	U		0.118	0.500	1	03/22/2019 09:23	WG1252994
Xylenes, Total	U		0.316	1.50	1	03/22/2019 09:23	WG1252994
(S) Toluene-d8	*97.7*			*80.0-120*		*03/22/2019 09:23*	WG1252994
(S) Toluene-d8	*87.1*			*80.0-120*		*03/22/2019 14:54*	WG1254076
(S) 4-Bromofluorobenzene	*97.1*			*77.0-126*		*03/22/2019 09:23*	WG1252994
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*03/22/2019 14:54*	WG1254076
(S) 1,2-Dichloroethane-d4	*118*			*70.0-130*		*03/22/2019 09:23*	WG1252994
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*03/22/2019 14:54*	WG1254076

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	03/19/2019 13:15	WG1251425
(S) a,a,a-Trifluorotoluene(FID)	*98.4*			*78.0-120*		*03/19/2019 13:15*	WG1251425

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	03/22/2019 09:42	WG1252994
Acrylonitrile	U		0.873	5.00	1	03/22/2019 09:42	WG1252994
Benzene	U		0.0896	0.500	1	03/22/2019 09:42	WG1252994
Bromobenzene	U		0.133	0.500	1	03/22/2019 09:42	WG1252994
Bromodichloromethane	U		0.0800	0.500	1	03/22/2019 09:42	WG1252994
Bromochloromethane	U		0.145	0.500	1	03/22/2019 09:42	WG1252994
Bromoform	U		0.186	0.500	1	03/22/2019 09:42	WG1252994
Bromomethane	U		0.157	2.50	1	03/22/2019 09:42	WG1252994
n-Butylbenzene	U		0.143	0.500	1	03/22/2019 09:42	WG1252994
sec-Butylbenzene	U		0.134	0.500	1	03/22/2019 09:42	WG1252994
tert-Butylbenzene	U		0.183	0.500	1	03/22/2019 09:42	WG1252994
Carbon disulfide	U		0.101	0.500	1	03/22/2019 09:42	WG1252994
Carbon tetrachloride	U		0.159	0.500	1	03/22/2019 09:42	WG1252994
Chlorobenzene	U		0.140	0.500	1	03/22/2019 09:42	WG1252994
Chlorodibromomethane	U		0.128	0.500	1	03/22/2019 09:42	WG1252994
Chloroethane	0.385	J	0.141	2.50	1	03/22/2019 09:42	WG1252994
Chloroform	U		0.0860	0.500	1	03/22/2019 09:42	WG1252994
Chloromethane	U		0.153	1.25	1	03/22/2019 09:42	WG1252994
2-Chlorotoluene	U		0.111	0.500	1	03/22/2019 09:42	WG1252994
4-Chlorotoluene	U		0.0972	0.500	1	03/22/2019 09:42	WG1252994
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	03/22/2019 09:42	WG1252994
1,2-Dibromoethane	U		0.193	0.500	1	03/22/2019 09:42	WG1252994
Dibromomethane	U		0.117	0.500	1	03/22/2019 09:42	WG1252994
1,2-Dichlorobenzene	U		0.101	0.500	1	03/22/2019 09:42	WG1252994
1,3-Dichlorobenzene	U		0.130	0.500	1	03/22/2019 09:42	WG1252994
1,4-Dichlorobenzene	U		0.121	0.500	1	03/22/2019 09:42	WG1252994
Dichlorodifluoromethane	U		0.127	2.50	1	03/22/2019 09:42	WG1252994
1,1-Dichloroethane	U		0.114	0.500	1	03/22/2019 09:42	WG1252994
1,2-Dichloroethane	U		0.108	0.500	1	03/22/2019 09:42	WG1252994
1,1-Dichloroethene	U		0.188	0.500	1	03/22/2019 09:42	WG1252994
cis-1,2-Dichloroethene	0.187	J	0.0933	0.500	1	03/22/2019 09:42	WG1252994
trans-1,2-Dichloroethene	U		0.152	0.500	1	03/22/2019 09:42	WG1252994
1,2-Dichloropropane	U		0.190	0.500	1	03/22/2019 09:42	WG1252994
1,1-Dichloropropene	U		0.128	0.500	1	03/22/2019 09:42	WG1252994
1,3-Dichloropropane	U		0.147	1.00	1	03/22/2019 09:42	WG1252994
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/22/2019 09:42	WG1252994
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/22/2019 09:42	WG1252994
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	03/22/2019 09:42	WG1252994
2,2-Dichloropropane	U		0.0929	0.500	1	03/22/2019 09:42	WG1252994
Di-isopropyl ether	U		0.0924	0.500	1	03/22/2019 09:42	WG1252994
Ethylbenzene	U		0.158	0.500	1	03/22/2019 09:42	WG1252994
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/22/2019 09:42	WG1252994
2-Hexanone	U		0.757	5.00	1	03/22/2019 09:42	WG1252994
n-Hexane	U		0.305	5.00	1	03/22/2019 09:42	WG1252994
Iodomethane	U		0.377	10.0	1	03/22/2019 09:42	WG1252994
Isopropylbenzene	U		0.126	0.500	1	03/22/2019 09:42	WG1252994
p-Isopropyltoluene	U		0.138	0.500	1	03/22/2019 09:42	WG1252994
2-Butanone (MEK)	U		1.28	5.00	1	03/22/2019 09:42	WG1252994

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	03/22/2019 09:42	WG1252994
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	03/22/2019 09:42	WG1252994
Methyl tert-butyl ether	U		0.102	0.500	1	03/22/2019 09:42	WG1252994
Naphthalene	U		0.174	2.50	1	03/22/2019 09:42	WG1252994
n-Propylbenzene	U		0.162	0.500	1	03/22/2019 09:42	WG1252994
Styrene	U		0.117	0.500	1	03/22/2019 09:42	WG1252994
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/22/2019 09:42	WG1252994
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	03/22/2019 09:42	WG1252994
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	03/22/2019 09:42	WG1252994
Tetrachloroethene	U		0.199	0.500	1	03/22/2019 09:42	WG1252994
Toluene	U		0.412	0.500	1	03/22/2019 09:42	WG1252994
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/22/2019 09:42	WG1252994
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/22/2019 09:42	WG1252994
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/22/2019 09:42	WG1252994
1,1,2-Trichloroethane	U		0.186	0.500	1	03/22/2019 09:42	WG1252994
Trichloroethene	U		0.153	0.500	1	03/22/2019 15:14	WG1254076
Trichlorofluoromethane	U		0.130	2.50	1	03/22/2019 09:42	WG1252994
1,2,3-Trichloropropane	U		0.247	2.50	1	03/22/2019 09:42	WG1252994
1,2,4-Trimethylbenzene	U		0.123	0.500	1	03/22/2019 09:42	WG1252994
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	03/22/2019 09:42	WG1252994
1,3,5-Trimethylbenzene	U		0.124	0.500	1	03/22/2019 09:42	WG1252994
Vinyl acetate	U	J0 J3	0.645	5.00	1	03/22/2019 09:42	WG1252994
Vinyl chloride	5.77		0.118	0.500	1	03/22/2019 09:42	WG1252994
Xylenes, Total	U		0.316	1.50	1	03/22/2019 09:42	WG1252994
(S) Toluene-d8	*100*			*80.0-120*		*03/22/2019 09:42*	WG1252994
(S) Toluene-d8	*86.7*			*80.0-120*		*03/22/2019 15:14*	WG1254076
(S) 4-Bromofluorobenzene	*97.3*			*77.0-126*		*03/22/2019 09:42*	WG1252994
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*03/22/2019 15:14*	WG1254076
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*		*03/22/2019 09:42*	WG1252994
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*03/22/2019 15:14*	WG1254076

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	690		31.6	100	1	03/19/2019 13:38	WG1251425
(S) a,a,a-Trifluorotoluene(FID)	*98.9*			*78.0-120*		*03/19/2019 13:38*	WG1251425

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	03/22/2019 10:02	WG1252994
Acrylonitrile	U		0.873	5.00	1	03/22/2019 10:02	WG1252994
Benzene	U		0.0896	0.500	1	03/22/2019 10:02	WG1252994
Bromobenzene	U		0.133	0.500	1	03/22/2019 10:02	WG1252994
Bromodichloromethane	U		0.0800	0.500	1	03/22/2019 10:02	WG1252994
Bromochloromethane	U		0.145	0.500	1	03/22/2019 10:02	WG1252994
Bromoform	U		0.186	0.500	1	03/22/2019 10:02	WG1252994
Bromomethane	U		0.157	2.50	1	03/22/2019 10:02	WG1252994
n-Butylbenzene	U		0.143	0.500	1	03/22/2019 10:02	WG1252994
sec-Butylbenzene	U		0.134	0.500	1	03/22/2019 10:02	WG1252994
tert-Butylbenzene	U		0.183	0.500	1	03/22/2019 10:02	WG1252994
Carbon disulfide	U		0.101	0.500	1	03/22/2019 10:02	WG1252994
Carbon tetrachloride	U		0.159	0.500	1	03/22/2019 10:02	WG1252994
Chlorobenzene	U		0.140	0.500	1	03/22/2019 10:02	WG1252994
Chlorodibromomethane	U		0.128	0.500	1	03/22/2019 10:02	WG1252994
Chloroethane	U		0.141	2.50	1	03/22/2019 10:02	WG1252994
Chloroform	0.521		0.0860	0.500	1	03/22/2019 10:02	WG1252994
Chloromethane	U		0.153	1.25	1	03/22/2019 10:02	WG1252994
2-Chlorotoluene	U		0.111	0.500	1	03/22/2019 10:02	WG1252994
4-Chlorotoluene	U		0.0972	0.500	1	03/22/2019 10:02	WG1252994
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	03/22/2019 10:02	WG1252994
1,2-Dibromoethane	U		0.193	0.500	1	03/22/2019 10:02	WG1252994
Dibromomethane	U		0.117	0.500	1	03/22/2019 10:02	WG1252994
1,2-Dichlorobenzene	U		0.101	0.500	1	03/22/2019 10:02	WG1252994
1,3-Dichlorobenzene	U		0.130	0.500	1	03/22/2019 10:02	WG1252994
1,4-Dichlorobenzene	U		0.121	0.500	1	03/22/2019 10:02	WG1252994
Dichlorodifluoromethane	U		0.127	2.50	1	03/22/2019 10:02	WG1252994
1,1-Dichloroethane	U		0.114	0.500	1	03/22/2019 10:02	WG1252994
1,2-Dichloroethane	U		0.108	0.500	1	03/22/2019 10:02	WG1252994
1,1-Dichloroethene	2.39		0.188	0.500	1	03/22/2019 10:02	WG1252994
cis-1,2-Dichloroethene	758		1.87	10.0	20	03/22/2019 15:34	WG1254076
trans-1,2-Dichloroethene	2.63		0.152	0.500	1	03/22/2019 10:02	WG1252994
1,2-Dichloropropane	U		0.190	0.500	1	03/22/2019 10:02	WG1252994
1,1-Dichloropropene	U		0.128	0.500	1	03/22/2019 10:02	WG1252994
1,3-Dichloropropane	U		0.147	1.00	1	03/22/2019 10:02	WG1252994
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/22/2019 10:02	WG1252994
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/22/2019 10:02	WG1252994
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	03/22/2019 10:02	WG1252994
2,2-Dichloropropane	U		0.0929	0.500	1	03/22/2019 10:02	WG1252994
Di-isopropyl ether	U		0.0924	0.500	1	03/22/2019 10:02	WG1252994
Ethylbenzene	U		0.158	0.500	1	03/22/2019 10:02	WG1252994
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/22/2019 10:02	WG1252994
2-Hexanone	U		0.757	5.00	1	03/22/2019 10:02	WG1252994
n-Hexane	U		0.305	5.00	1	03/22/2019 10:02	WG1252994
Iodomethane	U		0.377	10.0	1	03/22/2019 10:02	WG1252994
Isopropylbenzene	U		0.126	0.500	1	03/22/2019 10:02	WG1252994
p-Isopropyltoluene	U		0.138	0.500	1	03/22/2019 10:02	WG1252994
2-Butanone (MEK)	U		1.28	5.00	1	03/22/2019 10:02	WG1252994

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	03/22/2019 10:02	WG1252994
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	03/22/2019 10:02	WG1252994
Methyl tert-butyl ether	U		0.102	0.500	1	03/22/2019 10:02	WG1252994
Naphthalene	U		0.174	2.50	1	03/22/2019 10:02	WG1252994
n-Propylbenzene	U		0.162	0.500	1	03/22/2019 10:02	WG1252994
Styrene	U		0.117	0.500	1	03/22/2019 10:02	WG1252994
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/22/2019 10:02	WG1252994
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	03/22/2019 10:02	WG1252994
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	03/22/2019 10:02	WG1252994
Tetrachloroethene	613		3.98	10.0	20	03/22/2019 15:34	WG1254076
Toluene	U		0.412	0.500	1	03/22/2019 10:02	WG1252994
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/22/2019 10:02	WG1252994
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/22/2019 10:02	WG1252994
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/22/2019 10:02	WG1252994
1,1,2-Trichloroethane	U		0.186	0.500	1	03/22/2019 10:02	WG1252994
Trichloroethene	538		3.06	10.0	20	03/22/2019 15:34	WG1254076
Trichlorofluoromethane	U		0.130	2.50	1	03/22/2019 10:02	WG1252994
1,2,3-Trichloropropane	U		0.247	2.50	1	03/22/2019 10:02	WG1252994
1,2,4-Trimethylbenzene	U		0.123	0.500	1	03/22/2019 10:02	WG1252994
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	03/22/2019 10:02	WG1252994
1,3,5-Trimethylbenzene	U		0.124	0.500	1	03/22/2019 10:02	WG1252994
Vinyl acetate	U	J0 J3	0.645	5.00	1	03/22/2019 10:02	WG1252994
Vinyl chloride	46.5		0.118	0.500	1	03/22/2019 10:02	WG1252994
Xylenes, Total	U		0.316	1.50	1	03/22/2019 10:02	WG1252994
(S) Toluene-d8	*102*			*80.0-120*		*03/22/2019 10:02*	WG1252994
(S) Toluene-d8	*88.4*			*80.0-120*		*03/22/2019 15:34*	WG1254076
(S) 4-Bromofluorobenzene	*99.1*			*77.0-126*		*03/22/2019 10:02*	WG1252994
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*03/22/2019 15:34*	WG1254076
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*03/22/2019 10:02*	WG1252994
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*03/22/2019 15:34*	WG1254076

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	55900		316	1000	10	03/19/2019 14:02	WG1251425
(S) a,a,a-Trifluorotoluene(FID)	*100*			*78.0-120*		*03/19/2019 14:02*	WG1251425

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	51.5	J	26.2	625	25	03/22/2019 10:40	WG1252994
Acrylonitrile	U		21.8	125	25	03/22/2019 10:40	WG1252994
Benzene	U		2.24	12.5	25	03/22/2019 10:40	WG1252994
Bromobenzene	U		3.32	12.5	25	03/22/2019 10:40	WG1252994
Bromodichloromethane	U		2.00	12.5	25	03/22/2019 10:40	WG1252994
Bromochloromethane	U		3.62	12.5	25	03/22/2019 10:40	WG1252994
Bromoform	U		4.65	12.5	25	03/22/2019 10:40	WG1252994
Bromomethane	U		3.92	62.5	25	03/22/2019 10:40	WG1252994
n-Butylbenzene	U		3.58	12.5	25	03/22/2019 10:40	WG1252994
sec-Butylbenzene	U		3.35	12.5	25	03/22/2019 10:40	WG1252994
tert-Butylbenzene	U		4.58	12.5	25	03/22/2019 10:40	WG1252994
Carbon disulfide	11.3	J	2.52	12.5	25	03/22/2019 10:40	WG1252994
Carbon tetrachloride	U		3.98	12.5	25	03/22/2019 10:40	WG1252994
Chlorobenzene	U		3.50	12.5	25	03/22/2019 10:40	WG1252994
Chlorodibromomethane	U		3.20	12.5	25	03/22/2019 10:40	WG1252994
Chloroethane	U		3.52	62.5	25	03/22/2019 10:40	WG1252994
Chloroform	U		2.15	12.5	25	03/22/2019 10:40	WG1252994
Chloromethane	U		3.82	31.3	25	03/22/2019 10:40	WG1252994
2-Chlorotoluene	U		2.78	12.5	25	03/22/2019 10:40	WG1252994
4-Chlorotoluene	U		2.43	12.5	25	03/22/2019 10:40	WG1252994
1,2-Dibromo-3-Chloropropane	U		8.12	62.5	25	03/22/2019 10:40	WG1252994
1,2-Dibromoethane	U		4.82	12.5	25	03/22/2019 10:40	WG1252994
Dibromomethane	U		2.92	12.5	25	03/22/2019 10:40	WG1252994
1,2-Dichlorobenzene	U		2.52	12.5	25	03/22/2019 10:40	WG1252994
1,3-Dichlorobenzene	U		3.25	12.5	25	03/22/2019 10:40	WG1252994
1,4-Dichlorobenzene	U		3.02	12.5	25	03/22/2019 10:40	WG1252994
Dichlorodifluoromethane	U		3.18	62.5	25	03/22/2019 10:40	WG1252994
1,1-Dichloroethane	U		2.85	12.5	25	03/22/2019 10:40	WG1252994
1,2-Dichloroethane	U		2.70	12.5	25	03/22/2019 10:40	WG1252994
1,1-Dichloroethene	112		4.70	12.5	25	03/22/2019 10:40	WG1252994
cis-1,2-Dichloroethene	127000		187	1000	2000	03/22/2019 15:55	WG1254076
trans-1,2-Dichloroethene	781		3.80	12.5	25	03/22/2019 10:40	WG1252994
1,2-Dichloropropane	U		4.75	12.5	25	03/22/2019 10:40	WG1252994
1,1-Dichloropropene	U		3.20	12.5	25	03/22/2019 10:40	WG1252994
1,3-Dichloropropane	U		3.68	25.0	25	03/22/2019 10:40	WG1252994
cis-1,3-Dichloropropene	U		2.44	12.5	25	03/22/2019 10:40	WG1252994
trans-1,3-Dichloropropene	U		5.55	12.5	25	03/22/2019 10:40	WG1252994
trans-1,4-Dichloro-2-butene	U		6.42	125	25	03/22/2019 10:40	WG1252994
2,2-Dichloropropane	U		2.32	12.5	25	03/22/2019 10:40	WG1252994
Di-isopropyl ether	U		2.31	12.5	25	03/22/2019 10:40	WG1252994
Ethylbenzene	U		3.95	12.5	25	03/22/2019 10:40	WG1252994
Hexachloro-1,3-butadiene	U		3.92	25.0	25	03/22/2019 10:40	WG1252994
2-Hexanone	U		18.9	125	25	03/22/2019 10:40	WG1252994
n-Hexane	U		7.62	125	25	03/22/2019 10:40	WG1252994
Iodomethane	U		9.42	250	25	03/22/2019 10:40	WG1252994
Isopropylbenzene	U		3.15	12.5	25	03/22/2019 10:40	WG1252994
p-Isopropyltoluene	U		3.45	12.5	25	03/22/2019 10:40	WG1252994
2-Butanone (MEK)	37.0	J	32.0	125	25	03/22/2019 10:40	WG1252994

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		26.8	62.5	25	03/22/2019 10:40	WG1252994
4-Methyl-2-pentanone (MIBK)	U		20.6	125	25	03/22/2019 10:40	WG1252994
Methyl tert-butyl ether	U		2.55	12.5	25	03/22/2019 10:40	WG1252994
Naphthalene	U		4.35	62.5	25	03/22/2019 10:40	WG1252994
n-Propylbenzene	U		4.05	12.5	25	03/22/2019 10:40	WG1252994
Styrene	U		2.92	12.5	25	03/22/2019 10:40	WG1252994
1,1,1,2-Tetrachloroethane	U		3.00	12.5	25	03/22/2019 10:40	WG1252994
1,1,2,2-Tetrachloroethane	U		3.25	12.5	25	03/22/2019 10:40	WG1252994
1,1,2-Trichlorotrifluoroethane	U		4.10	12.5	25	03/22/2019 10:40	WG1252994
Tetrachloroethene	U		398	1000	2000	03/22/2019 15:55	WG1254076
Toluene	U		10.3	12.5	25	03/22/2019 10:40	WG1252994
1,2,3-Trichlorobenzene	U		4.10	12.5	25	03/22/2019 10:40	WG1252994
1,2,4-Trichlorobenzene	U		8.88	12.5	25	03/22/2019 10:40	WG1252994
1,1,1-Trichloroethane	U		2.35	12.5	25	03/22/2019 10:40	WG1252994
1,1,2-Trichloroethane	U		4.65	12.5	25	03/22/2019 10:40	WG1252994
Trichloroethene	18700		306	1000	2000	03/22/2019 15:55	WG1254076
Trichlorofluoromethane	U		3.25	62.5	25	03/22/2019 10:40	WG1252994
1,2,3-Trichloropropane	U		6.18	62.5	25	03/22/2019 10:40	WG1252994
1,2,4-Trimethylbenzene	U		3.08	12.5	25	03/22/2019 10:40	WG1252994
1,2,3-Trimethylbenzene	U		1.85	12.5	25	03/22/2019 10:40	WG1252994
1,3,5-Trimethylbenzene	U		3.10	12.5	25	03/22/2019 10:40	WG1252994
Vinyl acetate	U	J0 J3	16.1	125	25	03/22/2019 10:40	WG1252994
Vinyl chloride	11000		236	1000	2000	03/22/2019 15:55	WG1254076
Xylenes, Total	U		7.90	37.5	25	03/22/2019 10:40	WG1252994
(S) Toluene-d8	*99.3*			*80.0-120*		*03/22/2019 10:40*	WG1252994
(S) Toluene-d8	*88.5*			*80.0-120*		*03/22/2019 15:55*	WG1254076
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*03/22/2019 10:40*	WG1252994
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*03/22/2019 15:55*	WG1254076
(S) 1,2-Dichloroethane-d4	*118*			*70.0-130*		*03/22/2019 10:40*	WG1252994
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*03/22/2019 15:55*	WG1254076

Sample Narrative:

L1079439-10 WG1252994, WG1254076: Not all compounds reportable at lower dilution.

L1079439-10 WG1252994, WG1254076: Cannot be re-analyzed at lower dilution due to high levels of target analytes.

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	03/19/2019 07:48	WG1251425
(S) a,a,a-Trifluorotoluene(FID)	*98.4*			*78.0-120*		*03/19/2019 07:48*	WG1251425

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	03/22/2019 05:37	WG1252994
Acrylonitrile	U		0.873	5.00	1	03/22/2019 05:37	WG1252994
Benzene	U		0.0896	0.500	1	03/22/2019 05:37	WG1252994
Bromobenzene	U		0.133	0.500	1	03/22/2019 05:37	WG1252994
Bromodichloromethane	U		0.0800	0.500	1	03/22/2019 05:37	WG1252994
Bromochloromethane	U		0.145	0.500	1	03/22/2019 05:37	WG1252994
Bromoform	U		0.186	0.500	1	03/22/2019 05:37	WG1252994
Bromomethane	U		0.157	2.50	1	03/22/2019 05:37	WG1252994
n-Butylbenzene	U		0.143	0.500	1	03/22/2019 05:37	WG1252994
sec-Butylbenzene	U		0.134	0.500	1	03/22/2019 05:37	WG1252994
tert-Butylbenzene	U		0.183	0.500	1	03/22/2019 05:37	WG1252994
Carbon disulfide	U		0.101	0.500	1	03/22/2019 05:37	WG1252994
Carbon tetrachloride	U		0.159	0.500	1	03/22/2019 05:37	WG1252994
Chlorobenzene	U		0.140	0.500	1	03/22/2019 05:37	WG1252994
Chlorodibromomethane	U		0.128	0.500	1	03/22/2019 05:37	WG1252994
Chloroethane	U		0.141	2.50	1	03/22/2019 05:37	WG1252994
Chloroform	U		0.0860	0.500	1	03/22/2019 05:37	WG1252994
Chloromethane	U		0.153	1.25	1	03/22/2019 05:37	WG1252994
2-Chlorotoluene	U		0.111	0.500	1	03/22/2019 05:37	WG1252994
4-Chlorotoluene	U		0.0972	0.500	1	03/22/2019 05:37	WG1252994
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	03/22/2019 05:37	WG1252994
1,2-Dibromoethane	U		0.193	0.500	1	03/22/2019 05:37	WG1252994
Dibromomethane	U		0.117	0.500	1	03/22/2019 05:37	WG1252994
1,2-Dichlorobenzene	U		0.101	0.500	1	03/22/2019 05:37	WG1252994
1,3-Dichlorobenzene	U		0.130	0.500	1	03/22/2019 05:37	WG1252994
1,4-Dichlorobenzene	U		0.121	0.500	1	03/22/2019 05:37	WG1252994
Dichlorodifluoromethane	U		0.127	2.50	1	03/22/2019 05:37	WG1252994
1,1-Dichloroethane	U		0.114	0.500	1	03/22/2019 05:37	WG1252994
1,2-Dichloroethane	U		0.108	0.500	1	03/22/2019 05:37	WG1252994
1,1-Dichloroethene	U		0.188	0.500	1	03/22/2019 05:37	WG1252994
cis-1,2-Dichloroethene	U		0.0933	0.500	1	03/22/2019 05:37	WG1252994
trans-1,2-Dichloroethene	U		0.152	0.500	1	03/22/2019 05:37	WG1252994
1,2-Dichloropropane	U		0.190	0.500	1	03/22/2019 05:37	WG1252994
1,1-Dichloropropene	U		0.128	0.500	1	03/22/2019 05:37	WG1252994
1,3-Dichloropropane	U		0.147	1.00	1	03/22/2019 05:37	WG1252994
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/22/2019 05:37	WG1252994
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/22/2019 05:37	WG1252994
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	03/22/2019 05:37	WG1252994
2,2-Dichloropropane	U		0.0929	0.500	1	03/22/2019 05:37	WG1252994
Di-isopropyl ether	U		0.0924	0.500	1	03/22/2019 05:37	WG1252994
Ethylbenzene	U		0.158	0.500	1	03/22/2019 05:37	WG1252994
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/22/2019 05:37	WG1252994
2-Hexanone	U		0.757	5.00	1	03/22/2019 05:37	WG1252994
n-Hexane	U		0.305	5.00	1	03/22/2019 05:37	WG1252994
Iodomethane	U		0.377	10.0	1	03/22/2019 05:37	WG1252994
Isopropylbenzene	U		0.126	0.500	1	03/22/2019 05:37	WG1252994
p-Isopropyltoluene	U		0.138	0.500	1	03/22/2019 05:37	WG1252994
2-Butanone (MEK)	U		1.28	5.00	1	03/22/2019 05:37	WG1252994

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	03/22/2019 05:37	WG1252994
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	03/22/2019 05:37	WG1252994
Methyl tert-butyl ether	U		0.102	0.500	1	03/22/2019 05:37	WG1252994
Naphthalene	U		0.174	2.50	1	03/22/2019 05:37	WG1252994
n-Propylbenzene	U		0.162	0.500	1	03/22/2019 05:37	WG1252994
Styrene	U		0.117	0.500	1	03/22/2019 05:37	WG1252994
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/22/2019 05:37	WG1252994
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	03/22/2019 05:37	WG1252994
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	03/22/2019 05:37	WG1252994
Tetrachloroethene	U		0.199	0.500	1	03/22/2019 05:37	WG1252994
Toluene	U		0.412	0.500	1	03/22/2019 05:37	WG1252994
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/22/2019 05:37	WG1252994
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/22/2019 05:37	WG1252994
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/22/2019 05:37	WG1252994
1,1,2-Trichloroethane	U		0.186	0.500	1	03/22/2019 05:37	WG1252994
Trichloroethene	U		0.153	0.500	1	03/22/2019 05:37	WG1252994
Trichlorofluoromethane	U		0.130	2.50	1	03/22/2019 05:37	WG1252994
1,2,3-Trichloropropane	U		0.247	2.50	1	03/22/2019 05:37	WG1252994
1,2,4-Trimethylbenzene	U		0.123	0.500	1	03/22/2019 05:37	WG1252994
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	03/22/2019 05:37	WG1252994
1,3,5-Trimethylbenzene	U		0.124	0.500	1	03/22/2019 05:37	WG1252994
Vinyl acetate	U	J0 J3	0.645	5.00	1	03/22/2019 05:37	WG1252994
Vinyl chloride	U		0.118	0.500	1	03/22/2019 05:37	WG1252994
Xylenes, Total	U		0.316	1.50	1	03/22/2019 05:37	WG1252994
(S) Toluene-d8	*99.7*			*80.0-120*		*03/22/2019 05:37*	WG1252994
(S) 4-Bromofluorobenzene	*99.9*			*77.0-126*		*03/22/2019 05:37*	WG1252994
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*03/22/2019 05:37*	WG1252994

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

Method Blank (MB)

(MB) R3393947-2 03/19/19 01:00

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)	*98.4*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3393947-1 03/19/19 00:12

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	5170	94.0	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*105*	*78.0-120*	

L1079426-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1079426-01 03/19/19 08:12 • (MS) R3393947-3 03/19/19 17:38 • (MSD) R3393947-4 03/19/19 18:02

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5500	ND	4780	4550	87.0	82.7	1	10.0-155			5.01	21
(S) a,a,a-Trifluorotoluene(FID)					*105*	*104*		*78.0-120*				

Method Blank (MB)

(MB) R3394252-3 03/22/19 05:18

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) R3394252-3 03/22/19 05:18

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	*99.0*			*80.0-120*
(S) 4-Bromofluorobenzene	*99.0*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*

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

(LCS) R3394252-1 03/22/19 03:59 • (LCSD) R3394252-2 03/22/19 04:18

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	149	146	119	117	19.0-160			2.01	27
Acrylonitrile	125	134	130	107	104	55.0-149			3.05	20
Benzene	25.0	23.4	22.9	93.6	91.8	70.0-123			1.95	20
Bromobenzene	25.0	21.9	21.4	87.6	85.4	73.0-121			2.50	20
Bromodichloromethane	25.0	25.5	25.4	102	101	75.0-120			0.513	20
Bromochloromethane	25.0	26.4	25.8	106	103	76.0-122			2.45	20
Bromoform	25.0	25.7	25.4	103	102	68.0-132			1.12	20
Bromomethane	25.0	23.6	22.5	94.5	89.9	10.0-160			5.08	25
n-Butylbenzene	25.0	22.6	21.7	90.4	86.7	73.0-125			4.20	20
sec-Butylbenzene	25.0	21.9	20.9	87.6	83.6	75.0-125			4.74	20
tert-Butylbenzene	25.0	23.8	22.6	95.3	90.2	76.0-124			5.42	20
Carbon disulfide	25.0	21.8	21.9	87.3	87.6	61.0-128			0.314	20
Carbon tetrachloride	25.0	28.4	28.3	113	113	68.0-126			0.304	20
Chlorobenzene	25.0	24.1	23.7	96.4	94.8	80.0-121			1.68	20
Chlorodibromomethane	25.0	26.4	25.1	106	100	77.0-125			5.03	20
Chloroethane	25.0	22.0	21.9	87.8	87.6	47.0-150			0.278	20
Chloroform	25.0	25.2	25.1	101	100	73.0-120			0.602	20
Chloromethane	25.0	26.4	25.9	106	104	41.0-142			1.77	20
2-Chlorotoluene	25.0	23.7	22.6	94.9	90.4	76.0-123			4.83	20
4-Chlorotoluene	25.0	23.5	22.5	93.9	90.1	75.0-122			4.19	20
1,2-Dibromo-3-Chloropropane	25.0	24.0	22.0	96.0	88.2	58.0-134			8.47	20
1,2-Dibromoethane	25.0	25.3	24.5	101	97.9	80.0-122			3.35	20
Dibromomethane	25.0	26.1	25.6	105	102	80.0-120			2.00	20
1,2-Dichlorobenzene	25.0	24.3	23.2	97.0	92.9	79.0-121			4.40	20
1,3-Dichlorobenzene	25.0	23.5	22.1	93.9	88.4	79.0-120			6.01	20
1,4-Dichlorobenzene	25.0	23.5	22.4	93.9	89.7	79.0-120			4.52	20
Dichlorodifluoromethane	25.0	31.2	30.3	125	121	51.0-149			2.91	20
1,1-Dichloroethane	25.0	25.2	25.0	101	99.9	70.0-126			0.795	20
1,2-Dichloroethane	25.0	28.0	28.0	112	112	70.0-128			0.224	20
1,1-Dichloroethene	25.0	23.3	23.2	93.3	92.7	71.0-124			0.652	20
cis-1,2-Dichloroethene	25.0	24.1	23.5	96.4	94.0	73.0-120			2.50	20
trans-1,2-Dichloroethene	25.0	24.4	24.4	97.6	97.7	73.0-120			0.102	20
1,2-Dichloropropane	25.0	25.1	25.0	100	100	77.0-125			0.281	20
1,1-Dichloropropene	25.0	25.0	25.0	100	100	74.0-126			0.0479	20
1,3-Dichloropropane	25.0	25.1	24.0	100	96.1	80.0-120			4.30	20
cis-1,3-Dichloropropene	25.0	24.7	24.4	98.9	97.8	80.0-123			1.17	20
trans-1,3-Dichloropropene	25.0	25.3	24.4	101	97.5	78.0-124			3.68	20
trans-1,4-Dichloro-2-butene	25.0	22.9	21.2	91.6	84.9	33.0-144			7.57	20
2,2-Dichloropropane	25.0	23.1	22.5	92.6	90.1	58.0-130			2.68	20
Di-isopropyl ether	25.0	25.4	25.0	102	99.8	58.0-138			1.94	20

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

(LCS) R3394252-1 03/22/19 03:59 • (LCSD) R3394252-2 03/22/19 04:18

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	24.5	23.9	98.0	95.4	79.0-123			2.72	20
Hexachloro-1,3-butadiene	25.0	24.1	23.0	96.3	92.2	54.0-138			4.35	20
2-Hexanone	125	133	129	106	104	67.0-149			2.47	20
n-Hexane	25.0	24.0	23.2	95.9	92.7	57.0-133			3.43	20
Iodomethane	125	127	125	102	100	33.0-147			1.75	26
Isopropylbenzene	25.0	24.3	23.7	97.3	94.7	76.0-127			2.66	20
p-Isopropyltoluene	25.0	23.5	22.3	94.1	89.3	76.0-125			5.14	20
2-Butanone (MEK)	125	149	145	119	116	44.0-160			2.33	20
Methylene Chloride	25.0	23.9	23.6	95.6	94.5	67.0-120			1.21	20
4-Methyl-2-pentanone (MIBK)	125	137	133	110	106	68.0-142			3.54	20
Methyl tert-butyl ether	25.0	25.3	24.7	101	98.8	68.0-125			2.30	20
Naphthalene	25.0	22.4	21.4	89.7	85.7	54.0-135			4.52	20
n-Propylbenzene	25.0	22.6	21.5	90.2	86.0	77.0-124			4.77	20
Styrene	25.0	24.5	24.1	97.9	96.5	73.0-130			1.48	20
1,1,1,2-Tetrachloroethane	25.0	25.7	25.1	103	100	75.0-125			2.39	20
1,1,2,2-Tetrachloroethane	25.0	20.3	19.9	81.0	79.8	65.0-130			1.54	20
1,1,2-Trichlorotrifluoroethane	25.0	24.9	23.5	99.6	94.0	69.0-132			5.83	20
Tetrachloroethene	25.0	25.3	25.1	101	100	72.0-132			0.975	20
Toluene	25.0	22.3	21.8	89.0	87.2	79.0-120			2.08	20
1,2,3-Trichlorobenzene	25.0	23.1	22.5	92.2	89.9	50.0-138			2.51	20
1,2,4-Trichlorobenzene	25.0	24.1	23.7	96.4	94.6	57.0-137			1.90	20
1,1,1-Trichloroethane	25.0	27.2	27.0	109	108	73.0-124			0.641	20
1,1,2-Trichloroethane	25.0	23.6	22.6	94.3	90.6	80.0-120			3.98	20
Trichloroethene	25.0	25.4	24.6	102	98.4	78.0-124			3.19	20
Trichlorofluoromethane	25.0	26.9	27.0	108	108	59.0-147			0.240	20
1,2,3-Trichloropropane	25.0	25.6	24.7	102	98.6	73.0-130			3.83	20
1,2,4-Trimethylbenzene	25.0	23.3	22.2	93.2	88.8	76.0-121			4.77	20
1,2,3-Trimethylbenzene	25.0	23.2	22.0	92.7	88.0	77.0-120			5.25	20
1,3,5-Trimethylbenzene	25.0	23.2	22.2	92.7	88.7	76.0-122			4.41	20
Vinyl acetate	125	94.4	122	75.5	97.4	11.0-160		J3	25.4	20
Vinyl chloride	25.0	24.1	24.0	96.3	95.9	67.0-131			0.352	20
Xylenes, Total	75.0	71.0	70.2	94.7	93.6	79.0-123			1.13	20
(S) Toluene-d8				*98.4*	*96.2*	*80.0-120*				
(S) 4-Bromofluorobenzene				*97.8*	*98.2*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*119*	*119*	*70.0-130*				

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

Method Blank (MB)

(MB) R3394335-3 03/22/19 13:50

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
cis-1,2-Dichloroethene	U		0.0933	0.500
Trichloroethene	U		0.153	0.500
(S) Toluene-d8	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*88.0*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*

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

(LCS) R3394335-1 03/22/19 12:14 • (LCSD) R3394335-2 03/22/19 12:33

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
cis-1,2-Dichloroethene	25.0	24.9	24.6	99.6	98.3	73.0-120			1.38	20
Trichloroethene	25.0	25.7	24.4	103	97.5	78.0-124			5.23	20
(S) Toluene-d8				*95.6*	*96.4*	*80.0-120*				
(S) 4-Bromofluorobenzene				*94.3*	*94.4*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*120*	*122*	*70.0-130*				

Method Blank (MB)

(MB) R3394344-3 03/22/19 07:17

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
cis-1,2-Dichloroethene	U		0.0933	0.500
Tetrachloroethene	U		0.199	0.500
Trichloroethene	U		0.153	0.500
Vinyl chloride	U		0.118	0.500
(S) Toluene-d8	*88.3*			*80.0-120*
(S) 4-Bromofluorobenzene	*105*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*

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

(LCS) R3394344-1 03/22/19 06:16 • (LCSD) R3394344-2 03/22/19 06:36

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
cis-1,2-Dichloroethene	25.0	23.6	25.3	94.6	101	73.0-120			6.81	20
Tetrachloroethene	25.0	23.0	22.9	92.1	91.6	72.0-132			0.522	20
Trichloroethene	25.0	23.2	23.9	93.0	95.7	78.0-124			2.88	20
Vinyl chloride	25.0	21.2	23.2	84.9	92.8	67.0-131			8.91	20
(S) Toluene-d8				*88.5*	*87.3*	*80.0-120*				
(S) 4-Bromofluorobenzene				*103*	*102*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*116*	*117*	*70.0-130*				

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: The identification of the analyte is acceptable, but the reported concentration is an estimate. The calibration met method criteria.
J3	The associated batch QC was outside the established quality control range for precision.

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

State Accreditations

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

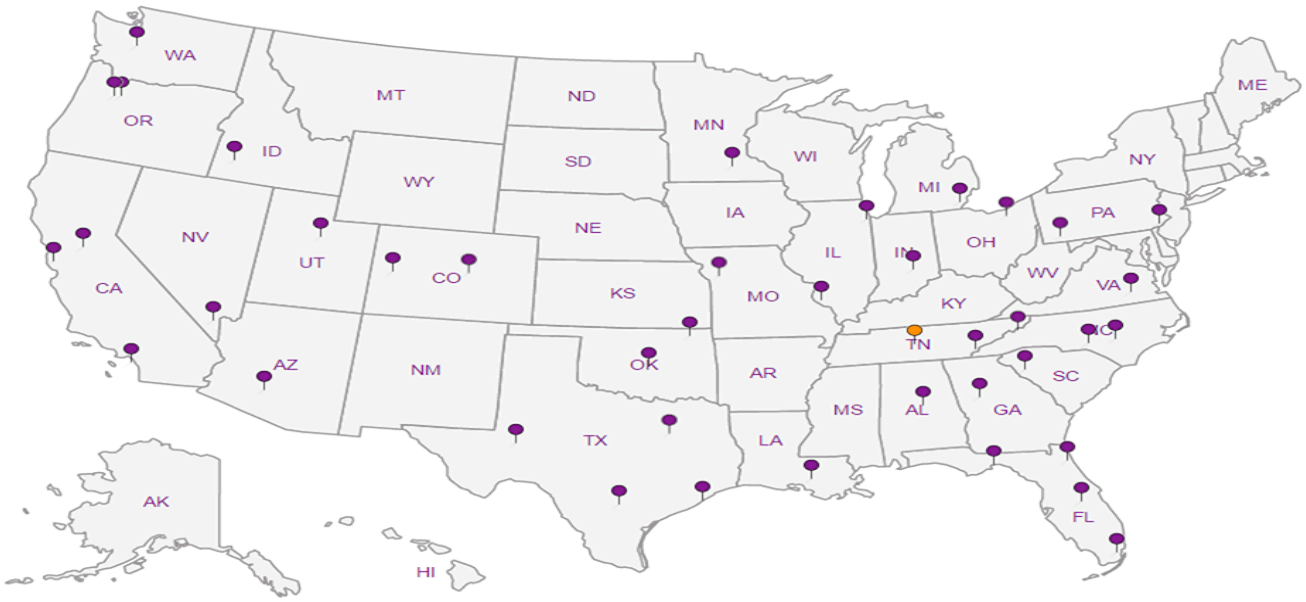
Third Party Federal Accreditations

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

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

Our Locations

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



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com; KSPRINGSTEAD@PESENV.COM
bhaldeman@pesenv.com; KVIK@PESENV.COM

Project Description: American Linen

City/State Collected: Seattle, WA

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

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): K. Zygas/B. Hecht

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

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

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

Pace Analytical®
National Center for Testing & Innovation

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

L# L1079439

D144

Acctnum: PESENVSWA
Template: T147176
Prelogin: P698284
TSR: 110 - Brian Ford
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	NWTPHGX 40mlAmb HCl	VOCs (8260LLC) 40mlAmb-HCl	Remarks	Sample # (lab only)
MW131-031119	Grab	GW	~49	3/11/19	1210	6	X	X		-01
W-MW-01-031119	Grab	GW	~	3/11/19	1200	6	X	X		-02
MW132-031119	↓	GW	~75	3/11/19	1335	6	X	X		-03
W-MW-02-031119		GW	~75	3/11/19	1445	6	X	X		-04
MW141-031119		GW	~100	3/11/19	1335	6	X	X		-05
MW137-031119		GW	~110	3/11/19	1520	6	X	X		-06
EQ-031119	—	GW	—	3/11/19	1600	6	X	X		-07
MW139-031119	Grab	GW	~75	3/11/19	1645	6	X	X		-08
MW162-031219	↓	GW	~135	3/12/19	1110	6	X	X		-09
MW152-031219	↓	GW	~55	3/12/19	1220	6	X	X		-10

5CM

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

Remarks: - Standard T.A.T
- Tier 2 lab QA/QC required

pH _____ Temp _____
Flow _____ Other _____

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

Samples returned via:
__ UPS ✓ FedEx __ Courier _____

Tracking # 4686 6470 1022

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

Temp: °C Bottles Received: 4.6:2-4.4 AM A2 59

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	03-14-19	1300	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			3/15/19 8:45

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com; bhaldeman@pesenv.com; KSPRINGSTEAD@PESENV.COM KUIK@PESENV.COM

Project Description: American Linen

City/State Collected: Seattle, WA

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

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): K. Riggs

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 40ml Amb HCl	VOCs (V8260LLC) 40ml Amb-HCl	Remarks	Sample # (lab only)
Trip Blank-031419	—	GW	—	03-14-19	1200	1	X	X		-11
		GW								
		GW								
		GW								
		GW								
		GW								
		GW								
		GW								
		GW								
		GW								

Pres Chk

Chain of Custody Page 2 of 2

Pace Analytical
National Center for Testing & Innovation

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

L # 409439

Table #

Acctnum: PESENVSWA
Template: T145225
Prelogin: P690482
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: Standard T.A.T
-Tier 2 lab QA/QC required

pH ___ Temp ___
Flow ___ Other ___

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

Tracking # 4684 6470 1022

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

RAD SCREEN: <0.5 mR/hr

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	03-14-19	1300	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCl / MeoH
TBR

Temp: 4.6/4.4 °C Bottles Received: 59

Date: 3/15/19 Time: 8:45

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

March 28, 2019

PES Environmental, Inc.- WA

Sample Delivery Group:	L1081046
Samples Received:	03/21/2019
Project Number:	1413.001.05.501
Description:	American Linen
Report To:	Brian O'Neal/Bill Haldeman
	1215 Fourth Ave., Suite 1350
	Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



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B19D19-10 L1081046-01 Solid

Collected by: S. McKernan | Collected date/time: 03/18/19 08:50 | Received date/time: 03/21/19 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1254490	1	03/25/19 10:44	03/25/19 10:55	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1254917	1	03/18/19 08:50	03/25/19 10:43	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1255214	1	03/18/19 08:50	03/26/19 15:13	JHH	Mt. Juliet, TN

B19D19-15 L1081046-02 Solid

Collected by: S. McKernan | Collected date/time: 03/18/19 10:15 | Received date/time: 03/21/19 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1254490	1	03/25/19 10:44	03/25/19 10:55	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1254917	1.06	03/18/19 10:15	03/25/19 11:02	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1255214	1.06	03/18/19 10:15	03/26/19 15:32	JHH	Mt. Juliet, TN

B19D19-20 L1081046-03 Solid

Collected by: S. McKernan | Collected date/time: 03/18/19 10:17 | Received date/time: 03/21/19 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1254490	1	03/25/19 10:44	03/25/19 10:55	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1254917	1	03/18/19 10:17	03/25/19 11:22	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1255214	1	03/18/19 10:17	03/26/19 15:52	JHH	Mt. Juliet, TN

B19D19-25 L1081046-04 Solid

Collected by: S. McKernan | Collected date/time: 03/18/19 10:20 | Received date/time: 03/21/19 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1254490	1	03/25/19 10:44	03/25/19 10:55	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1254917	1.08	03/18/19 10:20	03/25/19 11:41	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1255214	1.08	03/18/19 10:20	03/26/19 16:11	JHH	Mt. Juliet, TN

B19D19-30 L1081046-05 Solid

Collected by: S. McKernan | Collected date/time: 03/18/19 10:25 | Received date/time: 03/21/19 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1254490	1	03/25/19 10:44	03/25/19 10:55	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1254917	1	03/18/19 10:25	03/25/19 12:00	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1255214	1	03/18/19 10:25	03/26/19 16:31	JHH	Mt. Juliet, TN

B19D19-35 L1081046-06 Solid

Collected by: S. McKernan | Collected date/time: 03/18/19 10:27 | Received date/time: 03/21/19 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1254490	1	03/25/19 10:44	03/25/19 10:55	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1254917	1	03/18/19 10:27	03/25/19 12:19	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1255214	1	03/18/19 10:27	03/26/19 16:50	JHH	Mt. Juliet, TN

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

B19D19-40 L1081046-07 Solid

Collected by: S. McKernan | Collected date/time: 03/18/19 10:30 | Received date/time: 03/21/19 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1254492	1	03/25/19 10:26	03/25/19 10:41	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1254917	1	03/18/19 10:30	03/25/19 12:39	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1255214	1	03/18/19 10:30	03/26/19 17:10	JHH	Mt. Juliet, TN

B19D19-45 L1081046-08 Solid

Collected by: S. McKernan | Collected date/time: 03/18/19 10:34 | Received date/time: 03/21/19 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1254492	1	03/25/19 10:26	03/25/19 10:41	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1254917	1.04	03/18/19 10:34	03/25/19 12:58	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1255214	20.4	03/18/19 10:34	03/26/19 21:25	JHH	Mt. Juliet, TN

B19D19-50 L1081046-09 Solid

Collected by: S. McKernan | Collected date/time: 03/18/19 12:05 | Received date/time: 03/21/19 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1254492	1	03/25/19 10:26	03/25/19 10:41	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1254917	1	03/18/19 12:05	03/25/19 13:24	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1255214	1	03/18/19 12:05	03/26/19 17:30	JHH	Mt. Juliet, TN

B19D19-55 L1081046-10 Solid

Collected by: S. McKernan | Collected date/time: 03/18/19 12:07 | Received date/time: 03/21/19 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1254492	1	03/25/19 10:26	03/25/19 10:41	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1254917	1	03/18/19 12:07	03/25/19 16:16	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1255214	1	03/18/19 12:07	03/26/19 17:49	JHH	Mt. Juliet, TN

B19D19-60 L1081046-11 Solid

Collected by: S. McKernan | Collected date/time: 03/18/19 12:10 | Received date/time: 03/21/19 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1254492	1	03/25/19 10:26	03/25/19 10:41	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1254917	1	03/18/19 12:10	03/25/19 16:57	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1255751	1	03/18/19 12:10	03/26/19 18:09	JHH	Mt. Juliet, TN

B19D19-65 L1081046-12 Solid

Collected by: S. McKernan | Collected date/time: 03/18/19 12:15 | Received date/time: 03/21/19 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1254492	1	03/25/19 10:26	03/25/19 10:41	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1254917	1.07	03/18/19 12:15	03/25/19 17:16	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1255751	1.07	03/18/19 12:15	03/26/19 18:29	JHH	Mt. Juliet, TN

B19D19-70 L1081046-13 Solid

Collected by: S. McKernan | Collected date/time: 03/18/19 12:17 | Received date/time: 03/21/19 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1254492	1	03/25/19 10:26	03/25/19 10:41	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1254917	1	03/18/19 12:17	03/25/19 17:54	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1255751	1	03/18/19 12:17	03/26/19 18:48	JHH	Mt. Juliet, TN

B19D19-75 L1081046-14 Solid

Collected by: S. McKernan | Collected date/time: 03/18/19 13:55 | Received date/time: 03/21/19 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1254492	1	03/25/19 10:26	03/25/19 10:41	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1254917	1.01	03/18/19 13:55	03/25/19 18:14	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1255751	1.01	03/18/19 13:55	03/26/19 19:08	JHH	Mt. Juliet, TN

B19D19-80 L1081046-15 Solid

Collected by: S. McKernan | Collected date/time: 03/18/19 13:57 | Received date/time: 03/21/19 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1254492	1	03/25/19 10:26	03/25/19 10:41	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1254917	1	03/18/19 13:57	03/25/19 18:32	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1255751	1	03/18/19 13:57	03/26/19 19:28	JHH	Mt. Juliet, TN

B19D19-85 L1081046-16 Solid

Collected by: S. McKernan | Collected date/time: 03/18/19 14:04 | Received date/time: 03/21/19 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1254492	1	03/25/19 10:26	03/25/19 10:41	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1254917	1	03/18/19 14:04	03/25/19 18:51	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1255751	1	03/18/19 14:04	03/26/19 19:48	JHH	Mt. Juliet, TN

B19D19-90 L1081046-17 Solid

Collected by: S. McKernan | Collected date/time: 03/18/19 14:06 | Received date/time: 03/21/19 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1254494	1	03/25/19 11:01	03/25/19 11:12	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1254917	1.07	03/18/19 14:06	03/25/19 19:10	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1255751	1.06	03/18/19 14:06	03/26/19 20:08	JHH	Mt. Juliet, TN

B19D19-95 L1081046-18 Solid

Collected by: S. McKernan | Collected date/time: 03/18/19 15:49 | Received date/time: 03/21/19 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1254494	1	03/25/19 11:01	03/25/19 11:12	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1254917	1	03/18/19 15:49	03/25/19 19:29	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1255751	1	03/18/19 15:49	03/26/19 20:27	JHH	Mt. Juliet, TN

B19D19-100 L1081046-19 Solid

Collected by: S. McKernan | Collected date/time: 03/18/19 15:52 | Received date/time: 03/21/19 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1254494	1	03/25/19 11:01	03/25/19 11:12	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1254917	1.01	03/18/19 15:52	03/25/19 19:49	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1255751	1.01	03/18/19 15:52	03/26/19 20:47	JHH	Mt. Juliet, TN

B19D19-105 L1081046-20 Solid

Collected by: S. McKernan | Collected date/time: 03/18/19 15:55 | Received date/time: 03/21/19 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1254494	1	03/25/19 11:01	03/25/19 11:12	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1254917	1	03/18/19 15:55	03/25/19 20:08	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1255751	1	03/18/19 15:55	03/26/19 21:06	JHH	Mt. Juliet, TN

B19D19-110 L1081046-21 Solid

Collected by: S. McKernan | Collected date/time: 03/18/19 15:59 | Received date/time: 03/21/19 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1254494	1	03/25/19 11:01	03/25/19 11:12	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1254919	1	03/18/19 15:59	03/25/19 10:35	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1255220	1	03/18/19 15:59	03/26/19 11:57	JHH	Mt. Juliet, TN

B-935-40 L1081046-22 Solid

Collected by: S. McKernan | Collected date/time: 03/18/19 17:00 | Received date/time: 03/21/19 08:15

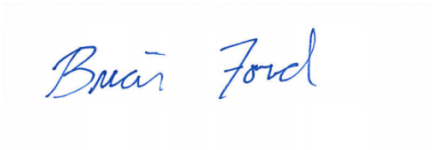
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1254494	1	03/25/19 11:01	03/25/19 11:12	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1254919	1.09	03/18/19 17:00	03/25/19 10:53	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1255220	1.09	03/18/19 17:00	03/26/19 12:16	JHH	Mt. Juliet, TN

TB-031919 L1081046-23 GW

Collected by: S. McKernan | Collected date/time: 03/19/19 00:00 | Received date/time: 03/21/19 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1254708	1	03/24/19 22:56	03/24/19 22:56	JHH	Mt. Juliet, TN

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



Brian Ford
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.7		1	03/25/2019 10:55	WG1254490

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0151	0.0276	1	03/26/2019 15:13	WG1255214
Acrylonitrile	U		0.00209	0.0138	1	03/25/2019 10:43	WG1254917
Benzene	U		0.000441	0.00110	1	03/25/2019 10:43	WG1254917
Bromobenzene	U		0.00116	0.0138	1	03/25/2019 10:43	WG1254917
Bromodichloromethane	U		0.000869	0.00276	1	03/25/2019 10:43	WG1254917
Bromochloromethane	U	J4	0.00125	0.00551	1	03/25/2019 10:43	WG1254917
Bromoform	U		0.00659	0.0276	1	03/25/2019 10:43	WG1254917
Bromomethane	U		0.00408	0.0138	1	03/25/2019 10:43	WG1254917
n-Butylbenzene	U		0.00423	0.0138	1	03/25/2019 10:43	WG1254917
sec-Butylbenzene	U		0.00279	0.0138	1	03/25/2019 10:43	WG1254917
tert-Butylbenzene	U		0.00171	0.00551	1	03/25/2019 10:43	WG1254917
Carbon disulfide	U		0.00447	0.0138	1	03/25/2019 10:43	WG1254917
Carbon tetrachloride	U		0.00119	0.00551	1	03/25/2019 10:43	WG1254917
Chlorobenzene	U		0.000632	0.00276	1	03/25/2019 10:43	WG1254917
Chlorodibromomethane	U		0.000496	0.00276	1	03/25/2019 10:43	WG1254917
Chloroethane	U		0.00119	0.00551	1	03/25/2019 10:43	WG1254917
Chloroform	U		0.000457	0.00276	1	03/25/2019 10:43	WG1254917
Chloromethane	U		0.00153	0.0138	1	03/25/2019 10:43	WG1254917
2-Chlorotoluene	U		0.00101	0.00276	1	03/25/2019 10:43	WG1254917
4-Chlorotoluene	U		0.00125	0.00551	1	03/25/2019 10:43	WG1254917
1,2-Dibromo-3-Chloropropane	U		0.00562	0.0276	1	03/25/2019 10:43	WG1254917
1,2-Dibromoethane	U		0.000579	0.00276	1	03/25/2019 10:43	WG1254917
Dibromomethane	U		0.00110	0.00551	1	03/25/2019 10:43	WG1254917
1,2-Dichlorobenzene	U		0.00160	0.00551	1	03/25/2019 10:43	WG1254917
1,3-Dichlorobenzene	U		0.00187	0.00551	1	03/25/2019 10:43	WG1254917
1,4-Dichlorobenzene	U		0.00217	0.00551	1	03/25/2019 10:43	WG1254917
Dichlorodifluoromethane	U		0.000902	0.00276	1	03/25/2019 10:43	WG1254917
1,1-Dichloroethane	U		0.000634	0.00276	1	03/25/2019 10:43	WG1254917
1,2-Dichloroethane	U		0.000524	0.00276	1	03/25/2019 10:43	WG1254917
1,1-Dichloroethene	U		0.000551	0.00276	1	03/25/2019 10:43	WG1254917
cis-1,2-Dichloroethene	U	J4	0.000760	0.00276	1	03/25/2019 10:43	WG1254917
trans-1,2-Dichloroethene	U		0.00158	0.00551	1	03/25/2019 10:43	WG1254917
1,2-Dichloropropane	U		0.00140	0.00551	1	03/25/2019 10:43	WG1254917
1,1-Dichloropropene	U		0.000772	0.00276	1	03/25/2019 10:43	WG1254917
1,3-Dichloropropane	U		0.00193	0.00551	1	03/25/2019 10:43	WG1254917
cis-1,3-Dichloropropene	U		0.000747	0.00276	1	03/25/2019 10:43	WG1254917
trans-1,3-Dichloropropene	U		0.00169	0.00551	1	03/25/2019 10:43	WG1254917
trans-1,4-Dichloro-2-butene	U		0.00154	0.00551	1	03/25/2019 10:43	WG1254917
2,2-Dichloropropane	U	J4	0.000874	0.00276	1	03/25/2019 10:43	WG1254917
Di-isopropyl ether	U		0.000386	0.00110	1	03/25/2019 10:43	WG1254917
Ethylbenzene	U		0.000584	0.00276	1	03/25/2019 10:43	WG1254917
Hexachloro-1,3-butadiene	U		0.0140	0.0276	1	03/25/2019 10:43	WG1254917
2-Hexanone	U		0.0110	0.0276	1	03/25/2019 10:43	WG1254917
n-Hexane	U		0.00117	0.00551	1	03/25/2019 10:43	WG1254917
Iodomethane	U		0.00667	0.0138	1	03/25/2019 10:43	WG1254917
Isopropylbenzene	U		0.000951	0.00276	1	03/25/2019 10:43	WG1254917
p-Isopropyltoluene	U		0.00257	0.00551	1	03/25/2019 10:43	WG1254917
2-Butanone (MEK)	U		0.0138	0.0276	1	03/25/2019 10:43	WG1254917
Methylene Chloride	U		0.00732	0.0276	1	03/25/2019 10:43	WG1254917
4-Methyl-2-pentanone (MIBK)	U		0.0110	0.0276	1	03/25/2019 10:43	WG1254917

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000325	0.00110	1	03/25/2019 10:43	WG1254917
Naphthalene	U		0.00344	0.0138	1	03/25/2019 10:43	WG1254917
n-Propylbenzene	U		0.00130	0.00551	1	03/25/2019 10:43	WG1254917
Styrene	U		0.00301	0.0138	1	03/25/2019 10:43	WG1254917
1,1,1,2-Tetrachloroethane	U		0.000551	0.00276	1	03/25/2019 10:43	WG1254917
1,1,2,2-Tetrachloroethane	U		0.000430	0.00276	1	03/25/2019 10:43	WG1254917
1,1,2-Trichlorotrifluoroethane	U		0.000744	0.00276	1	03/25/2019 10:43	WG1254917
Tetrachloroethene	U		0.000772	0.00276	1	03/25/2019 10:43	WG1254917
Toluene	0.00149	J	0.00138	0.00551	1	03/25/2019 10:43	WG1254917
1,2,3-Trichlorobenzene	U		0.000689	0.00276	1	03/25/2019 10:43	WG1254917
1,2,4-Trichlorobenzene	U		0.00531	0.0138	1	03/25/2019 10:43	WG1254917
1,1,1-Trichloroethane	U		0.000303	0.00276	1	03/25/2019 10:43	WG1254917
1,1,2-Trichloroethane	U		0.000973	0.00276	1	03/25/2019 10:43	WG1254917
Trichloroethene	U		0.000441	0.00110	1	03/25/2019 10:43	WG1254917
Trichlorofluoromethane	U		0.000551	0.00276	1	03/25/2019 10:43	WG1254917
1,2,3-Trichloropropane	U		0.00562	0.0138	1	03/25/2019 10:43	WG1254917
1,2,4-Trimethylbenzene	U		0.00128	0.00551	1	03/25/2019 10:43	WG1254917
1,2,3-Trimethylbenzene	U		0.00127	0.00551	1	03/25/2019 10:43	WG1254917
1,3,5-Trimethylbenzene	U		0.00119	0.00551	1	03/25/2019 10:43	WG1254917
Vinyl acetate	U		0.00388	0.0138	1	03/25/2019 10:43	WG1254917
Vinyl chloride	U		0.000753	0.00276	1	03/25/2019 10:43	WG1254917
Xylenes, Total	U		0.00527	0.00716	1	03/25/2019 10:43	WG1254917
(S) Toluene-d8	*108*			*75.0-131*		*03/25/2019 10:43*	WG1254917
(S) Toluene-d8	*93.0*			*75.0-131*		*03/26/2019 15:13*	WG1255214
(S) 4-Bromofluorobenzene	*94.0*			*67.0-138*		*03/25/2019 10:43*	WG1254917
(S) 4-Bromofluorobenzene	*80.7*			*67.0-138*		*03/26/2019 15:13*	WG1255214
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*03/25/2019 10:43*	WG1254917
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*03/26/2019 15:13*	WG1255214

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.9		1	03/25/2019 10:55	WG1254490

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0169	0.0308	1.06	03/26/2019 15:32	WG1255214
Acrylonitrile	U		0.00234	0.0154	1.06	03/25/2019 11:02	WG1254917
Benzene	U		0.000493	0.00123	1.06	03/25/2019 11:02	WG1254917
Bromobenzene	U		0.00129	0.0154	1.06	03/25/2019 11:02	WG1254917
Bromodichloromethane	U		0.000972	0.00308	1.06	03/25/2019 11:02	WG1254917
Bromochloromethane	U	J4	0.00140	0.00617	1.06	03/25/2019 11:02	WG1254917
Bromoform	U		0.00738	0.0308	1.06	03/25/2019 11:02	WG1254917
Bromomethane	U		0.00456	0.0154	1.06	03/25/2019 11:02	WG1254917
n-Butylbenzene	U		0.00474	0.0154	1.06	03/25/2019 11:02	WG1254917
sec-Butylbenzene	U		0.00312	0.0154	1.06	03/25/2019 11:02	WG1254917
tert-Butylbenzene	U		0.00191	0.00617	1.06	03/25/2019 11:02	WG1254917
Carbon disulfide	U		0.00500	0.0154	1.06	03/25/2019 11:02	WG1254917
Carbon tetrachloride	U		0.00133	0.00617	1.06	03/25/2019 11:02	WG1254917
Chlorobenzene	U		0.000706	0.00308	1.06	03/25/2019 11:02	WG1254917
Chlorodibromomethane	U		0.000555	0.00308	1.06	03/25/2019 11:02	WG1254917
Chloroethane	U		0.00133	0.00617	1.06	03/25/2019 11:02	WG1254917
Chloroform	U		0.000512	0.00308	1.06	03/25/2019 11:02	WG1254917
Chloromethane	U		0.00171	0.0154	1.06	03/25/2019 11:02	WG1254917
2-Chlorotoluene	U		0.00113	0.00308	1.06	03/25/2019 11:02	WG1254917
4-Chlorotoluene	U		0.00140	0.00617	1.06	03/25/2019 11:02	WG1254917
1,2-Dibromo-3-Chloropropane	U		0.00630	0.0308	1.06	03/25/2019 11:02	WG1254917
1,2-Dibromoethane	U		0.000647	0.00308	1.06	03/25/2019 11:02	WG1254917
Dibromomethane	U		0.00123	0.00617	1.06	03/25/2019 11:02	WG1254917
1,2-Dichlorobenzene	U		0.00179	0.00617	1.06	03/25/2019 11:02	WG1254917
1,3-Dichlorobenzene	U		0.00209	0.00617	1.06	03/25/2019 11:02	WG1254917
1,4-Dichlorobenzene	U		0.00243	0.00617	1.06	03/25/2019 11:02	WG1254917
Dichlorodifluoromethane	U		0.00101	0.00308	1.06	03/25/2019 11:02	WG1254917
1,1-Dichloroethane	U		0.000710	0.00308	1.06	03/25/2019 11:02	WG1254917
1,2-Dichloroethane	U		0.000587	0.00308	1.06	03/25/2019 11:02	WG1254917
1,1-Dichloroethene	U		0.000617	0.00308	1.06	03/25/2019 11:02	WG1254917
cis-1,2-Dichloroethene	0.0310	J4	0.000851	0.00308	1.06	03/25/2019 11:02	WG1254917
trans-1,2-Dichloroethene	U		0.00177	0.00617	1.06	03/25/2019 11:02	WG1254917
1,2-Dichloropropane	U		0.00157	0.00617	1.06	03/25/2019 11:02	WG1254917
1,1-Dichloropropene	U		0.000864	0.00308	1.06	03/25/2019 11:02	WG1254917
1,3-Dichloropropane	U		0.00216	0.00617	1.06	03/25/2019 11:02	WG1254917
cis-1,3-Dichloropropene	U		0.000837	0.00308	1.06	03/25/2019 11:02	WG1254917
trans-1,3-Dichloropropene	U		0.00189	0.00617	1.06	03/25/2019 11:02	WG1254917
trans-1,4-Dichloro-2-butene	U		0.00172	0.00617	1.06	03/25/2019 11:02	WG1254917
2,2-Dichloropropane	U	J4	0.000978	0.00308	1.06	03/25/2019 11:02	WG1254917
Di-isopropyl ether	U		0.000432	0.00123	1.06	03/25/2019 11:02	WG1254917
Ethylbenzene	U		0.000654	0.00308	1.06	03/25/2019 11:02	WG1254917
Hexachloro-1,3-butadiene	U		0.0157	0.0308	1.06	03/25/2019 11:02	WG1254917
2-Hexanone	U		0.0123	0.0308	1.06	03/25/2019 11:02	WG1254917
n-Hexane	U		0.00130	0.00617	1.06	03/25/2019 11:02	WG1254917
Iodomethane	U		0.00746	0.0154	1.06	03/25/2019 11:02	WG1254917
Isopropylbenzene	U		0.00106	0.00308	1.06	03/25/2019 11:02	WG1254917
p-Isopropyltoluene	U		0.00287	0.00617	1.06	03/25/2019 11:02	WG1254917
2-Butanone (MEK)	U		0.0154	0.0308	1.06	03/25/2019 11:02	WG1254917
Methylene Chloride	U		0.00819	0.0308	1.06	03/25/2019 11:02	WG1254917
4-Methyl-2-pentanone (MIBK)	U		0.0123	0.0308	1.06	03/25/2019 11:02	WG1254917

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000364	0.00123	1.06	03/25/2019 11:02	WG1254917
Naphthalene	U		0.00385	0.0154	1.06	03/25/2019 11:02	WG1254917
n-Propylbenzene	U		0.00145	0.00617	1.06	03/25/2019 11:02	WG1254917
Styrene	U		0.00336	0.0154	1.06	03/25/2019 11:02	WG1254917
1,1,1,2-Tetrachloroethane	U		0.000617	0.00308	1.06	03/25/2019 11:02	WG1254917
1,1,2,2-Tetrachloroethane	U		0.000481	0.00308	1.06	03/25/2019 11:02	WG1254917
1,1,2-Trichlorotrifluoroethane	U		0.000833	0.00308	1.06	03/25/2019 11:02	WG1254917
Tetrachloroethene	0.0182		0.000864	0.00308	1.06	03/25/2019 11:02	WG1254917
Toluene	U		0.00154	0.00617	1.06	03/25/2019 11:02	WG1254917
1,2,3-Trichlorobenzene	U		0.000770	0.00308	1.06	03/25/2019 11:02	WG1254917
1,2,4-Trichlorobenzene	U		0.00595	0.0154	1.06	03/25/2019 11:02	WG1254917
1,1,1-Trichloroethane	U		0.000340	0.00308	1.06	03/25/2019 11:02	WG1254917
1,1,2-Trichloroethane	U		0.00109	0.00308	1.06	03/25/2019 11:02	WG1254917
Trichloroethene	U		0.000493	0.00123	1.06	03/25/2019 11:02	WG1254917
Trichlorofluoromethane	U		0.000617	0.00308	1.06	03/25/2019 11:02	WG1254917
1,2,3-Trichloropropane	U		0.00630	0.0154	1.06	03/25/2019 11:02	WG1254917
1,2,4-Trimethylbenzene	U		0.00143	0.00617	1.06	03/25/2019 11:02	WG1254917
1,2,3-Trimethylbenzene	U		0.00142	0.00617	1.06	03/25/2019 11:02	WG1254917
1,3,5-Trimethylbenzene	U		0.00133	0.00617	1.06	03/25/2019 11:02	WG1254917
Vinyl acetate	U		0.00434	0.0154	1.06	03/25/2019 11:02	WG1254917
Vinyl chloride	U		0.000843	0.00308	1.06	03/25/2019 11:02	WG1254917
Xylenes, Total	U		0.00590	0.00802	1.06	03/25/2019 11:02	WG1254917
(S) Toluene-d8	*108*			*75.0-131*		*03/25/2019 11:02*	WG1254917
(S) Toluene-d8	*95.7*			*75.0-131*		*03/26/2019 15:32*	WG1255214
(S) 4-Bromofluorobenzene	*93.8*			*67.0-138*		*03/25/2019 11:02*	WG1254917
(S) 4-Bromofluorobenzene	*78.1*			*67.0-138*		*03/26/2019 15:32*	WG1255214
(S) 1,2-Dichloroethane-d4	*97.8*			*70.0-130*		*03/25/2019 11:02*	WG1254917
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*03/26/2019 15:32*	WG1255214

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.7		1	03/25/2019 10:55	WG1254490

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0160	0.0292	1	03/26/2019 15:52	WG1255214
Acrylonitrile	U		0.00222	0.0146	1	03/25/2019 11:22	WG1254917
Benzene	U		0.000467	0.00117	1	03/25/2019 11:22	WG1254917
Bromobenzene	U		0.00123	0.0146	1	03/25/2019 11:22	WG1254917
Bromodichloromethane	U		0.000920	0.00292	1	03/25/2019 11:22	WG1254917
Bromochloromethane	U	J4	0.00132	0.00584	1	03/25/2019 11:22	WG1254917
Bromoform	U		0.00698	0.0292	1	03/25/2019 11:22	WG1254917
Bromomethane	U		0.00432	0.0146	1	03/25/2019 11:22	WG1254917
n-Butylbenzene	U		0.00448	0.0146	1	03/25/2019 11:22	WG1254917
sec-Butylbenzene	U		0.00295	0.0146	1	03/25/2019 11:22	WG1254917
tert-Butylbenzene	U		0.00181	0.00584	1	03/25/2019 11:22	WG1254917
Carbon disulfide	U		0.00474	0.0146	1	03/25/2019 11:22	WG1254917
Carbon tetrachloride	U		0.00126	0.00584	1	03/25/2019 11:22	WG1254917
Chlorobenzene	U		0.000669	0.00292	1	03/25/2019 11:22	WG1254917
Chlorodibromomethane	U		0.000525	0.00292	1	03/25/2019 11:22	WG1254917
Chloroethane	U		0.00126	0.00584	1	03/25/2019 11:22	WG1254917
Chloroform	U		0.000484	0.00292	1	03/25/2019 11:22	WG1254917
Chloromethane	U		0.00162	0.0146	1	03/25/2019 11:22	WG1254917
2-Chlorotoluene	U		0.00107	0.00292	1	03/25/2019 11:22	WG1254917
4-Chlorotoluene	U		0.00132	0.00584	1	03/25/2019 11:22	WG1254917
1,2-Dibromo-3-Chloropropane	U		0.00595	0.0292	1	03/25/2019 11:22	WG1254917
1,2-Dibromoethane	U		0.000613	0.00292	1	03/25/2019 11:22	WG1254917
Dibromomethane	U		0.00117	0.00584	1	03/25/2019 11:22	WG1254917
1,2-Dichlorobenzene	U		0.00169	0.00584	1	03/25/2019 11:22	WG1254917
1,3-Dichlorobenzene	U		0.00198	0.00584	1	03/25/2019 11:22	WG1254917
1,4-Dichlorobenzene	U		0.00230	0.00584	1	03/25/2019 11:22	WG1254917
Dichlorodifluoromethane	U		0.000955	0.00292	1	03/25/2019 11:22	WG1254917
1,1-Dichloroethane	U		0.000671	0.00292	1	03/25/2019 11:22	WG1254917
1,2-Dichloroethane	U		0.000554	0.00292	1	03/25/2019 11:22	WG1254917
1,1-Dichloroethene	U		0.000584	0.00292	1	03/25/2019 11:22	WG1254917
cis-1,2-Dichloroethene	0.00927	J4	0.000805	0.00292	1	03/25/2019 11:22	WG1254917
trans-1,2-Dichloroethene	U		0.00167	0.00584	1	03/25/2019 11:22	WG1254917
1,2-Dichloropropane	U		0.00148	0.00584	1	03/25/2019 11:22	WG1254917
1,1-Dichloropropene	U		0.000817	0.00292	1	03/25/2019 11:22	WG1254917
1,3-Dichloropropane	U		0.00204	0.00584	1	03/25/2019 11:22	WG1254917
cis-1,3-Dichloropropene	U		0.000791	0.00292	1	03/25/2019 11:22	WG1254917
trans-1,3-Dichloropropene	U		0.00179	0.00584	1	03/25/2019 11:22	WG1254917
trans-1,4-Dichloro-2-butene	U		0.00163	0.00584	1	03/25/2019 11:22	WG1254917
2,2-Dichloropropane	U	J4	0.000926	0.00292	1	03/25/2019 11:22	WG1254917
Di-isopropyl ether	U		0.000409	0.00117	1	03/25/2019 11:22	WG1254917
Ethylbenzene	U		0.000619	0.00292	1	03/25/2019 11:22	WG1254917
Hexachloro-1,3-butadiene	U		0.0148	0.0292	1	03/25/2019 11:22	WG1254917
2-Hexanone	U		0.0117	0.0292	1	03/25/2019 11:22	WG1254917
n-Hexane	U		0.00124	0.00584	1	03/25/2019 11:22	WG1254917
Iodomethane	U		0.00706	0.0146	1	03/25/2019 11:22	WG1254917
Isopropylbenzene	U		0.00101	0.00292	1	03/25/2019 11:22	WG1254917
p-Isopropyltoluene	U		0.00272	0.00584	1	03/25/2019 11:22	WG1254917
2-Butanone (MEK)	U		0.0146	0.0292	1	03/25/2019 11:22	WG1254917
Methylene Chloride	U		0.00775	0.0292	1	03/25/2019 11:22	WG1254917
4-Methyl-2-pentanone (MIBK)	U		0.0117	0.0292	1	03/25/2019 11:22	WG1254917

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000344	0.00117	1	03/25/2019 11:22	WG1254917
Naphthalene	U		0.00364	0.0146	1	03/25/2019 11:22	WG1254917
n-Propylbenzene	U		0.00138	0.00584	1	03/25/2019 11:22	WG1254917
Styrene	U		0.00319	0.0146	1	03/25/2019 11:22	WG1254917
1,1,1,2-Tetrachloroethane	U		0.000584	0.00292	1	03/25/2019 11:22	WG1254917
1,1,2,2-Tetrachloroethane	U		0.000455	0.00292	1	03/25/2019 11:22	WG1254917
1,1,2-Trichlorotrifluoroethane	U		0.000788	0.00292	1	03/25/2019 11:22	WG1254917
Tetrachloroethene	0.0251		0.000817	0.00292	1	03/25/2019 11:22	WG1254917
Toluene	0.00152	J	0.00146	0.00584	1	03/25/2019 11:22	WG1254917
1,2,3-Trichlorobenzene	U		0.000730	0.00292	1	03/25/2019 11:22	WG1254917
1,2,4-Trichlorobenzene	U		0.00563	0.0146	1	03/25/2019 11:22	WG1254917
1,1,1-Trichloroethane	U		0.000321	0.00292	1	03/25/2019 11:22	WG1254917
1,1,2-Trichloroethane	U		0.00103	0.00292	1	03/25/2019 11:22	WG1254917
Trichloroethene	0.000616	J	0.000467	0.00117	1	03/25/2019 11:22	WG1254917
Trichlorofluoromethane	U		0.000584	0.00292	1	03/25/2019 11:22	WG1254917
1,2,3-Trichloropropane	U		0.00595	0.0146	1	03/25/2019 11:22	WG1254917
1,2,4-Trimethylbenzene	U		0.00135	0.00584	1	03/25/2019 11:22	WG1254917
1,2,3-Trimethylbenzene	U		0.00134	0.00584	1	03/25/2019 11:22	WG1254917
1,3,5-Trimethylbenzene	U		0.00126	0.00584	1	03/25/2019 11:22	WG1254917
Vinyl acetate	U		0.00411	0.0146	1	03/25/2019 11:22	WG1254917
Vinyl chloride	U		0.000797	0.00292	1	03/25/2019 11:22	WG1254917
Xylenes, Total	U		0.00558	0.00759	1	03/25/2019 11:22	WG1254917
(S) Toluene-d8	*105*			*75.0-131*		*03/25/2019 11:22*	WG1254917
(S) Toluene-d8	*94.2*			*75.0-131*		*03/26/2019 15:52*	WG1255214
(S) 4-Bromofluorobenzene	*92.0*			*67.0-138*		*03/25/2019 11:22*	WG1254917
(S) 4-Bromofluorobenzene	*80.0*			*67.0-138*		*03/26/2019 15:52*	WG1255214
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*03/25/2019 11:22*	WG1254917
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*03/26/2019 15:52*	WG1255214

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.1		1	03/25/2019 10:55	WG1254490

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0170	0.0310	1.08	03/26/2019 16:11	WG1255214
Acrylonitrile	U		0.00235	0.0155	1.08	03/25/2019 11:41	WG1254917
Benzene	U		0.000496	0.00124	1.08	03/25/2019 11:41	WG1254917
Bromobenzene	U		0.00130	0.0155	1.08	03/25/2019 11:41	WG1254917
Bromodichloromethane	U		0.000977	0.00310	1.08	03/25/2019 11:41	WG1254917
Bromochloromethane	U	J4	0.00140	0.00620	1.08	03/25/2019 11:41	WG1254917
Bromoform	U		0.00741	0.0310	1.08	03/25/2019 11:41	WG1254917
Bromomethane	U		0.00459	0.0155	1.08	03/25/2019 11:41	WG1254917
n-Butylbenzene	U		0.00476	0.0155	1.08	03/25/2019 11:41	WG1254917
sec-Butylbenzene	U		0.00313	0.0155	1.08	03/25/2019 11:41	WG1254917
tert-Butylbenzene	U		0.00192	0.00620	1.08	03/25/2019 11:41	WG1254917
Carbon disulfide	0.00667	J	0.00503	0.0155	1.08	03/25/2019 11:41	WG1254917
Carbon tetrachloride	U		0.00134	0.00620	1.08	03/25/2019 11:41	WG1254917
Chlorobenzene	U		0.000711	0.00310	1.08	03/25/2019 11:41	WG1254917
Chlorodibromomethane	U		0.000558	0.00310	1.08	03/25/2019 11:41	WG1254917
Chloroethane	U		0.00134	0.00620	1.08	03/25/2019 11:41	WG1254917
Chloroform	U		0.000514	0.00310	1.08	03/25/2019 11:41	WG1254917
Chloromethane	U		0.00172	0.0155	1.08	03/25/2019 11:41	WG1254917
2-Chlorotoluene	U		0.00114	0.00310	1.08	03/25/2019 11:41	WG1254917
4-Chlorotoluene	U		0.00140	0.00620	1.08	03/25/2019 11:41	WG1254917
1,2-Dibromo-3-Chloropropane	U		0.00632	0.0310	1.08	03/25/2019 11:41	WG1254917
1,2-Dibromoethane	U		0.000651	0.00310	1.08	03/25/2019 11:41	WG1254917
Dibromomethane	U		0.00124	0.00620	1.08	03/25/2019 11:41	WG1254917
1,2-Dichlorobenzene	U		0.00180	0.00620	1.08	03/25/2019 11:41	WG1254917
1,3-Dichlorobenzene	U		0.00211	0.00620	1.08	03/25/2019 11:41	WG1254917
1,4-Dichlorobenzene	U		0.00244	0.00620	1.08	03/25/2019 11:41	WG1254917
Dichlorodifluoromethane	U		0.00101	0.00310	1.08	03/25/2019 11:41	WG1254917
1,1-Dichloroethane	U		0.000713	0.00310	1.08	03/25/2019 11:41	WG1254917
1,2-Dichloroethane	U		0.000589	0.00310	1.08	03/25/2019 11:41	WG1254917
1,1-Dichloroethene	U		0.000620	0.00310	1.08	03/25/2019 11:41	WG1254917
cis-1,2-Dichloroethene	0.0500	J4	0.000855	0.00310	1.08	03/25/2019 11:41	WG1254917
trans-1,2-Dichloroethene	U		0.00177	0.00620	1.08	03/25/2019 11:41	WG1254917
1,2-Dichloropropane	U		0.00157	0.00620	1.08	03/25/2019 11:41	WG1254917
1,1-Dichloropropene	U		0.000868	0.00310	1.08	03/25/2019 11:41	WG1254917
1,3-Dichloropropane	U		0.00217	0.00620	1.08	03/25/2019 11:41	WG1254917
cis-1,3-Dichloropropene	U		0.000840	0.00310	1.08	03/25/2019 11:41	WG1254917
trans-1,3-Dichloropropene	U		0.00189	0.00620	1.08	03/25/2019 11:41	WG1254917
trans-1,4-Dichloro-2-butene	U		0.00173	0.00620	1.08	03/25/2019 11:41	WG1254917
2,2-Dichloropropane	U	J4	0.000983	0.00310	1.08	03/25/2019 11:41	WG1254917
Di-isopropyl ether	U		0.000434	0.00124	1.08	03/25/2019 11:41	WG1254917
Ethylbenzene	U		0.000657	0.00310	1.08	03/25/2019 11:41	WG1254917
Hexachloro-1,3-butadiene	U		0.0157	0.0310	1.08	03/25/2019 11:41	WG1254917
2-Hexanone	U		0.0124	0.0310	1.08	03/25/2019 11:41	WG1254917
n-Hexane	0.0102	J0	0.00131	0.00620	1.08	03/25/2019 11:41	WG1254917
Iodomethane	U		0.00750	0.0155	1.08	03/25/2019 11:41	WG1254917
Isopropylbenzene	U		0.00107	0.00310	1.08	03/25/2019 11:41	WG1254917
p-Isopropyltoluene	U		0.00289	0.00620	1.08	03/25/2019 11:41	WG1254917
2-Butanone (MEK)	U		0.0155	0.0310	1.08	03/25/2019 11:41	WG1254917
Methylene Chloride	U		0.00823	0.0310	1.08	03/25/2019 11:41	WG1254917
4-Methyl-2-pentanone (MIBK)	U		0.0124	0.0310	1.08	03/25/2019 11:41	WG1254917

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000366	0.00124	1.08	03/25/2019 11:41	WG1254917
Naphthalene	U		0.00387	0.0155	1.08	03/25/2019 11:41	WG1254917
n-Propylbenzene	U		0.00146	0.00620	1.08	03/25/2019 11:41	WG1254917
Styrene	U		0.00339	0.0155	1.08	03/25/2019 11:41	WG1254917
1,1,1,2-Tetrachloroethane	U		0.000620	0.00310	1.08	03/25/2019 11:41	WG1254917
1,1,2,2-Tetrachloroethane	U		0.000483	0.00310	1.08	03/25/2019 11:41	WG1254917
1,1,2-Trichlorotrifluoroethane	U		0.000837	0.00310	1.08	03/25/2019 11:41	WG1254917
Tetrachloroethene	2.38		0.000868	0.00310	1.08	03/25/2019 11:41	WG1254917
Toluene	0.00184	J	0.00155	0.00620	1.08	03/25/2019 11:41	WG1254917
1,2,3-Trichlorobenzene	U		0.000775	0.00310	1.08	03/25/2019 11:41	WG1254917
1,2,4-Trichlorobenzene	U		0.00597	0.0155	1.08	03/25/2019 11:41	WG1254917
1,1,1-Trichloroethane	U		0.000341	0.00310	1.08	03/25/2019 11:41	WG1254917
1,1,2-Trichloroethane	U		0.00110	0.00310	1.08	03/25/2019 11:41	WG1254917
Trichloroethene	0.221		0.000496	0.00124	1.08	03/25/2019 11:41	WG1254917
Trichlorofluoromethane	U		0.000620	0.00310	1.08	03/25/2019 11:41	WG1254917
1,2,3-Trichloropropane	U		0.00632	0.0155	1.08	03/25/2019 11:41	WG1254917
1,2,4-Trimethylbenzene	U		0.00143	0.00620	1.08	03/25/2019 11:41	WG1254917
1,2,3-Trimethylbenzene	U		0.00142	0.00620	1.08	03/25/2019 11:41	WG1254917
1,3,5-Trimethylbenzene	U		0.00134	0.00620	1.08	03/25/2019 11:41	WG1254917
Vinyl acetate	U		0.00436	0.0155	1.08	03/25/2019 11:41	WG1254917
Vinyl chloride	U		0.000847	0.00310	1.08	03/25/2019 11:41	WG1254917
Xylenes, Total	U		0.00592	0.00806	1.08	03/25/2019 11:41	WG1254917
(S) Toluene-d8	*105*			*75.0-131*		*03/25/2019 11:41*	WG1254917
(S) Toluene-d8	*93.8*			*75.0-131*		*03/26/2019 16:11*	WG1255214
(S) 4-Bromofluorobenzene	*91.3*			*67.0-138*		*03/25/2019 11:41*	WG1254917
(S) 4-Bromofluorobenzene	*80.0*			*67.0-138*		*03/26/2019 16:11*	WG1255214
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*03/25/2019 11:41*	WG1254917
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*03/26/2019 16:11*	WG1255214

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.0		1	03/25/2019 10:55	WG1254490

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0157	0.0287	1	03/26/2019 16:31	WG1255214
Acrylonitrile	U		0.00218	0.0144	1	03/25/2019 12:00	WG1254917
Benzene	U		0.000460	0.00115	1	03/25/2019 12:00	WG1254917
Bromobenzene	U		0.00121	0.0144	1	03/25/2019 12:00	WG1254917
Bromodichloromethane	U		0.000906	0.00287	1	03/25/2019 12:00	WG1254917
Bromochloromethane	U	J4	0.00130	0.00575	1	03/25/2019 12:00	WG1254917
Bromoform	U		0.00687	0.0287	1	03/25/2019 12:00	WG1254917
Bromomethane	U		0.00425	0.0144	1	03/25/2019 12:00	WG1254917
n-Butylbenzene	U		0.00441	0.0144	1	03/25/2019 12:00	WG1254917
sec-Butylbenzene	U		0.00291	0.0144	1	03/25/2019 12:00	WG1254917
tert-Butylbenzene	U		0.00178	0.00575	1	03/25/2019 12:00	WG1254917
Carbon disulfide	U		0.00467	0.0144	1	03/25/2019 12:00	WG1254917
Carbon tetrachloride	U		0.00124	0.00575	1	03/25/2019 12:00	WG1254917
Chlorobenzene	U		0.000659	0.00287	1	03/25/2019 12:00	WG1254917
Chlorodibromomethane	U		0.000517	0.00287	1	03/25/2019 12:00	WG1254917
Chloroethane	U		0.00124	0.00575	1	03/25/2019 12:00	WG1254917
Chloroform	U		0.000477	0.00287	1	03/25/2019 12:00	WG1254917
Chloromethane	U		0.00160	0.0144	1	03/25/2019 12:00	WG1254917
2-Chlorotoluene	U		0.00106	0.00287	1	03/25/2019 12:00	WG1254917
4-Chlorotoluene	U		0.00130	0.00575	1	03/25/2019 12:00	WG1254917
1,2-Dibromo-3-Chloropropane	U		0.00586	0.0287	1	03/25/2019 12:00	WG1254917
1,2-Dibromoethane	U		0.000603	0.00287	1	03/25/2019 12:00	WG1254917
Dibromomethane	U		0.00115	0.00575	1	03/25/2019 12:00	WG1254917
1,2-Dichlorobenzene	U		0.00167	0.00575	1	03/25/2019 12:00	WG1254917
1,3-Dichlorobenzene	U		0.00195	0.00575	1	03/25/2019 12:00	WG1254917
1,4-Dichlorobenzene	U		0.00226	0.00575	1	03/25/2019 12:00	WG1254917
Dichlorodifluoromethane	U		0.000940	0.00287	1	03/25/2019 12:00	WG1254917
1,1-Dichloroethane	U		0.000661	0.00287	1	03/25/2019 12:00	WG1254917
1,2-Dichloroethane	U		0.000546	0.00287	1	03/25/2019 12:00	WG1254917
1,1-Dichloroethene	U		0.000575	0.00287	1	03/25/2019 12:00	WG1254917
cis-1,2-Dichloroethene	0.0551	J4	0.000793	0.00287	1	03/25/2019 12:00	WG1254917
trans-1,2-Dichloroethene	U		0.00164	0.00575	1	03/25/2019 12:00	WG1254917
1,2-Dichloropropane	U		0.00146	0.00575	1	03/25/2019 12:00	WG1254917
1,1-Dichloropropene	U		0.000805	0.00287	1	03/25/2019 12:00	WG1254917
1,3-Dichloropropane	U		0.00201	0.00575	1	03/25/2019 12:00	WG1254917
cis-1,3-Dichloropropene	U		0.000779	0.00287	1	03/25/2019 12:00	WG1254917
trans-1,3-Dichloropropene	U		0.00176	0.00575	1	03/25/2019 12:00	WG1254917
trans-1,4-Dichloro-2-butene	U		0.00161	0.00575	1	03/25/2019 12:00	WG1254917
2,2-Dichloropropane	U	J4	0.000911	0.00287	1	03/25/2019 12:00	WG1254917
Di-isopropyl ether	U		0.000402	0.00115	1	03/25/2019 12:00	WG1254917
Ethylbenzene	U		0.000609	0.00287	1	03/25/2019 12:00	WG1254917
Hexachloro-1,3-butadiene	U		0.0146	0.0287	1	03/25/2019 12:00	WG1254917
2-Hexanone	U		0.0115	0.0287	1	03/25/2019 12:00	WG1254917
n-Hexane	0.0109	J0	0.00122	0.00575	1	03/25/2019 12:00	WG1254917
Iodomethane	U		0.00695	0.0144	1	03/25/2019 12:00	WG1254917
Isopropylbenzene	U		0.000992	0.00287	1	03/25/2019 12:00	WG1254917
p-Isopropyltoluene	U		0.00268	0.00575	1	03/25/2019 12:00	WG1254917
2-Butanone (MEK)	U		0.0144	0.0287	1	03/25/2019 12:00	WG1254917
Methylene Chloride	U		0.00763	0.0287	1	03/25/2019 12:00	WG1254917
4-Methyl-2-pentanone (MIBK)	U		0.0115	0.0287	1	03/25/2019 12:00	WG1254917

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000339	0.00115	1	03/25/2019 12:00	WG1254917
Naphthalene	U		0.00359	0.0144	1	03/25/2019 12:00	WG1254917
n-Propylbenzene	U		0.00136	0.00575	1	03/25/2019 12:00	WG1254917
Styrene	U		0.00314	0.0144	1	03/25/2019 12:00	WG1254917
1,1,1,2-Tetrachloroethane	U		0.000575	0.00287	1	03/25/2019 12:00	WG1254917
1,1,2,2-Tetrachloroethane	U		0.000448	0.00287	1	03/25/2019 12:00	WG1254917
1,1,2-Trichlorotrifluoroethane	U		0.000776	0.00287	1	03/25/2019 12:00	WG1254917
Tetrachloroethene	0.604		0.000805	0.00287	1	03/25/2019 12:00	WG1254917
Toluene	0.00171	J	0.00144	0.00575	1	03/25/2019 12:00	WG1254917
1,2,3-Trichlorobenzene	U		0.000718	0.00287	1	03/25/2019 12:00	WG1254917
1,2,4-Trichlorobenzene	U		0.00554	0.0144	1	03/25/2019 12:00	WG1254917
1,1,1-Trichloroethane	U		0.000316	0.00287	1	03/25/2019 12:00	WG1254917
1,1,2-Trichloroethane	U		0.00101	0.00287	1	03/25/2019 12:00	WG1254917
Trichloroethene	0.0272		0.000460	0.00115	1	03/25/2019 12:00	WG1254917
Trichlorofluoromethane	U		0.000575	0.00287	1	03/25/2019 12:00	WG1254917
1,2,3-Trichloropropane	U		0.00586	0.0144	1	03/25/2019 12:00	WG1254917
1,2,4-Trimethylbenzene	U		0.00133	0.00575	1	03/25/2019 12:00	WG1254917
1,2,3-Trimethylbenzene	U		0.00132	0.00575	1	03/25/2019 12:00	WG1254917
1,3,5-Trimethylbenzene	U		0.00124	0.00575	1	03/25/2019 12:00	WG1254917
Vinyl acetate	U		0.00405	0.0144	1	03/25/2019 12:00	WG1254917
Vinyl chloride	U		0.000785	0.00287	1	03/25/2019 12:00	WG1254917
Xylenes, Total	U		0.00549	0.00747	1	03/25/2019 12:00	WG1254917
(S) Toluene-d8	*107*			*75.0-131*		*03/25/2019 12:00*	WG1254917
(S) Toluene-d8	*94.9*			*75.0-131*		*03/26/2019 16:31*	WG1255214
(S) 4-Bromofluorobenzene	*93.1*			*67.0-138*		*03/25/2019 12:00*	WG1254917
(S) 4-Bromofluorobenzene	*77.3*			*67.0-138*		*03/26/2019 16:31*	WG1255214
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*03/25/2019 12:00*	WG1254917
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*03/26/2019 16:31*	WG1255214

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.2		1	03/25/2019 10:55	WG1254490

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0155	0.0283	1	03/26/2019 16:50	WG1255214
Acrylonitrile	U		0.00215	0.0142	1	03/25/2019 12:19	WG1254917
Benzene	U		0.000454	0.00113	1	03/25/2019 12:19	WG1254917
Bromobenzene	U		0.00119	0.0142	1	03/25/2019 12:19	WG1254917
Bromodichloromethane	U		0.000893	0.00283	1	03/25/2019 12:19	WG1254917
Bromochloromethane	U	J4	0.00128	0.00567	1	03/25/2019 12:19	WG1254917
Bromoform	U		0.00678	0.0283	1	03/25/2019 12:19	WG1254917
Bromomethane	U		0.00420	0.0142	1	03/25/2019 12:19	WG1254917
n-Butylbenzene	U		0.00435	0.0142	1	03/25/2019 12:19	WG1254917
sec-Butylbenzene	U		0.00287	0.0142	1	03/25/2019 12:19	WG1254917
tert-Butylbenzene	U		0.00176	0.00567	1	03/25/2019 12:19	WG1254917
Carbon disulfide	U		0.00460	0.0142	1	03/25/2019 12:19	WG1254917
Carbon tetrachloride	U		0.00122	0.00567	1	03/25/2019 12:19	WG1254917
Chlorobenzene	U		0.000650	0.00283	1	03/25/2019 12:19	WG1254917
Chlorodibromomethane	U		0.000510	0.00283	1	03/25/2019 12:19	WG1254917
Chloroethane	U		0.00122	0.00567	1	03/25/2019 12:19	WG1254917
Chloroform	U		0.000471	0.00283	1	03/25/2019 12:19	WG1254917
Chloromethane	U		0.00158	0.0142	1	03/25/2019 12:19	WG1254917
2-Chlorotoluene	U		0.00104	0.00283	1	03/25/2019 12:19	WG1254917
4-Chlorotoluene	U		0.00128	0.00567	1	03/25/2019 12:19	WG1254917
1,2-Dibromo-3-Chloropropane	U		0.00578	0.0283	1	03/25/2019 12:19	WG1254917
1,2-Dibromoethane	U		0.000595	0.00283	1	03/25/2019 12:19	WG1254917
Dibromomethane	U		0.00113	0.00567	1	03/25/2019 12:19	WG1254917
1,2-Dichlorobenzene	U		0.00164	0.00567	1	03/25/2019 12:19	WG1254917
1,3-Dichlorobenzene	U		0.00193	0.00567	1	03/25/2019 12:19	WG1254917
1,4-Dichlorobenzene	U		0.00223	0.00567	1	03/25/2019 12:19	WG1254917
Dichlorodifluoromethane	U		0.000927	0.00283	1	03/25/2019 12:19	WG1254917
1,1-Dichloroethane	U		0.000652	0.00283	1	03/25/2019 12:19	WG1254917
1,2-Dichloroethane	U		0.000539	0.00283	1	03/25/2019 12:19	WG1254917
1,1-Dichloroethene	U		0.000567	0.00283	1	03/25/2019 12:19	WG1254917
cis-1,2-Dichloroethene	0.324	J4	0.000782	0.00283	1	03/25/2019 12:19	WG1254917
trans-1,2-Dichloroethene	U		0.00162	0.00567	1	03/25/2019 12:19	WG1254917
1,2-Dichloropropane	U		0.00144	0.00567	1	03/25/2019 12:19	WG1254917
1,1-Dichloropropene	U		0.000794	0.00283	1	03/25/2019 12:19	WG1254917
1,3-Dichloropropane	U		0.00198	0.00567	1	03/25/2019 12:19	WG1254917
cis-1,3-Dichloropropene	U		0.000769	0.00283	1	03/25/2019 12:19	WG1254917
trans-1,3-Dichloropropene	U		0.00173	0.00567	1	03/25/2019 12:19	WG1254917
trans-1,4-Dichloro-2-butene	U		0.00159	0.00567	1	03/25/2019 12:19	WG1254917
2,2-Dichloropropane	U	J4	0.000899	0.00283	1	03/25/2019 12:19	WG1254917
Di-isopropyl ether	U		0.000397	0.00113	1	03/25/2019 12:19	WG1254917
Ethylbenzene	U		0.000601	0.00283	1	03/25/2019 12:19	WG1254917
Hexachloro-1,3-butadiene	U		0.0144	0.0283	1	03/25/2019 12:19	WG1254917
2-Hexanone	U		0.0113	0.0283	1	03/25/2019 12:19	WG1254917
n-Hexane	U		0.00120	0.00567	1	03/25/2019 12:19	WG1254917
Iodomethane	U		0.00686	0.0142	1	03/25/2019 12:19	WG1254917
Isopropylbenzene	U		0.000978	0.00283	1	03/25/2019 12:19	WG1254917
p-Isopropyltoluene	U		0.00264	0.00567	1	03/25/2019 12:19	WG1254917
2-Butanone (MEK)	U		0.0142	0.0283	1	03/25/2019 12:19	WG1254917
Methylene Chloride	U		0.00753	0.0283	1	03/25/2019 12:19	WG1254917
4-Methyl-2-pentanone (MIBK)	U		0.0113	0.0283	1	03/25/2019 12:19	WG1254917

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000334	0.00113	1	03/25/2019 12:19	WG1254917
Naphthalene	U		0.00354	0.0142	1	03/25/2019 12:19	WG1254917
n-Propylbenzene	U		0.00134	0.00567	1	03/25/2019 12:19	WG1254917
Styrene	U		0.00310	0.0142	1	03/25/2019 12:19	WG1254917
1,1,1,2-Tetrachloroethane	U		0.000567	0.00283	1	03/25/2019 12:19	WG1254917
1,1,2,2-Tetrachloroethane	U		0.000442	0.00283	1	03/25/2019 12:19	WG1254917
1,1,2-Trichlorotrifluoroethane	U		0.000765	0.00283	1	03/25/2019 12:19	WG1254917
Tetrachloroethene	0.189		0.000794	0.00283	1	03/25/2019 12:19	WG1254917
Toluene	U		0.00142	0.00567	1	03/25/2019 12:19	WG1254917
1,2,3-Trichlorobenzene	U		0.000709	0.00283	1	03/25/2019 12:19	WG1254917
1,2,4-Trichlorobenzene	U		0.00547	0.0142	1	03/25/2019 12:19	WG1254917
1,1,1-Trichloroethane	U		0.000312	0.00283	1	03/25/2019 12:19	WG1254917
1,1,2-Trichloroethane	U		0.00100	0.00283	1	03/25/2019 12:19	WG1254917
Trichloroethene	0.0189		0.000454	0.00113	1	03/25/2019 12:19	WG1254917
Trichlorofluoromethane	U		0.000567	0.00283	1	03/25/2019 12:19	WG1254917
1,2,3-Trichloropropane	U		0.00578	0.0142	1	03/25/2019 12:19	WG1254917
1,2,4-Trimethylbenzene	U		0.00132	0.00567	1	03/25/2019 12:19	WG1254917
1,2,3-Trimethylbenzene	U		0.00130	0.00567	1	03/25/2019 12:19	WG1254917
1,3,5-Trimethylbenzene	U		0.00122	0.00567	1	03/25/2019 12:19	WG1254917
Vinyl acetate	U		0.00399	0.0142	1	03/25/2019 12:19	WG1254917
Vinyl chloride	0.0176		0.000774	0.00283	1	03/25/2019 12:19	WG1254917
Xylenes, Total	U		0.00542	0.00737	1	03/25/2019 12:19	WG1254917
(S) Toluene-d8	*105*			*75.0-131*		*03/25/2019 12:19*	WG1254917
(S) Toluene-d8	*92.8*			*75.0-131*		*03/26/2019 16:50*	WG1255214
(S) 4-Bromofluorobenzene	*93.4*			*67.0-138*		*03/25/2019 12:19*	WG1254917
(S) 4-Bromofluorobenzene	*80.7*			*67.0-138*		*03/26/2019 16:50*	WG1255214
(S) 1,2-Dichloroethane-d4	*96.8*			*70.0-130*		*03/25/2019 12:19*	WG1254917
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*03/26/2019 16:50*	WG1255214

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.8		1	03/25/2019 10:41	WG1254492

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0160	0.0291	1	03/26/2019 17:10	WG1255214
Acrylonitrile	U		0.00221	0.0146	1	03/25/2019 12:39	WG1254917
Benzene	U		0.000466	0.00116	1	03/25/2019 12:39	WG1254917
Bromobenzene	U		0.00122	0.0146	1	03/25/2019 12:39	WG1254917
Bromodichloromethane	U		0.000918	0.00291	1	03/25/2019 12:39	WG1254917
Bromochloromethane	U	J4	0.00132	0.00582	1	03/25/2019 12:39	WG1254917
Bromoform	U		0.00697	0.0291	1	03/25/2019 12:39	WG1254917
Bromomethane	U		0.00431	0.0146	1	03/25/2019 12:39	WG1254917
n-Butylbenzene	U		0.00447	0.0146	1	03/25/2019 12:39	WG1254917
sec-Butylbenzene	U		0.00295	0.0146	1	03/25/2019 12:39	WG1254917
tert-Butylbenzene	U		0.00181	0.00582	1	03/25/2019 12:39	WG1254917
Carbon disulfide	U		0.00473	0.0146	1	03/25/2019 12:39	WG1254917
Carbon tetrachloride	U		0.00126	0.00582	1	03/25/2019 12:39	WG1254917
Chlorobenzene	U		0.000667	0.00291	1	03/25/2019 12:39	WG1254917
Chlorodibromomethane	U		0.000524	0.00291	1	03/25/2019 12:39	WG1254917
Chloroethane	U		0.00126	0.00582	1	03/25/2019 12:39	WG1254917
Chloroform	U		0.000483	0.00291	1	03/25/2019 12:39	WG1254917
Chloromethane	U		0.00162	0.0146	1	03/25/2019 12:39	WG1254917
2-Chlorotoluene	U		0.00107	0.00291	1	03/25/2019 12:39	WG1254917
4-Chlorotoluene	U		0.00132	0.00582	1	03/25/2019 12:39	WG1254917
1,2-Dibromo-3-Chloropropane	U		0.00594	0.0291	1	03/25/2019 12:39	WG1254917
1,2-Dibromoethane	U		0.000612	0.00291	1	03/25/2019 12:39	WG1254917
Dibromomethane	U		0.00116	0.00582	1	03/25/2019 12:39	WG1254917
1,2-Dichlorobenzene	U		0.00169	0.00582	1	03/25/2019 12:39	WG1254917
1,3-Dichlorobenzene	U		0.00198	0.00582	1	03/25/2019 12:39	WG1254917
1,4-Dichlorobenzene	U		0.00229	0.00582	1	03/25/2019 12:39	WG1254917
Dichlorodifluoromethane	U		0.000953	0.00291	1	03/25/2019 12:39	WG1254917
1,1-Dichloroethane	U		0.000670	0.00291	1	03/25/2019 12:39	WG1254917
1,2-Dichloroethane	U		0.000553	0.00291	1	03/25/2019 12:39	WG1254917
1,1-Dichloroethene	U		0.000582	0.00291	1	03/25/2019 12:39	WG1254917
cis-1,2-Dichloroethene	0.0658	J4	0.000804	0.00291	1	03/25/2019 12:39	WG1254917
trans-1,2-Dichloroethene	U		0.00167	0.00582	1	03/25/2019 12:39	WG1254917
1,2-Dichloropropane	U		0.00148	0.00582	1	03/25/2019 12:39	WG1254917
1,1-Dichloropropene	U		0.000815	0.00291	1	03/25/2019 12:39	WG1254917
1,3-Dichloropropane	U		0.00204	0.00582	1	03/25/2019 12:39	WG1254917
cis-1,3-Dichloropropene	U		0.000790	0.00291	1	03/25/2019 12:39	WG1254917
trans-1,3-Dichloropropene	U		0.00178	0.00582	1	03/25/2019 12:39	WG1254917
trans-1,4-Dichloro-2-butene	U		0.00163	0.00582	1	03/25/2019 12:39	WG1254917
2,2-Dichloropropane	U	J4	0.000924	0.00291	1	03/25/2019 12:39	WG1254917
Di-isopropyl ether	U		0.000408	0.00116	1	03/25/2019 12:39	WG1254917
Ethylbenzene	0.000808	J	0.000617	0.00291	1	03/25/2019 12:39	WG1254917
Hexachloro-1,3-butadiene	U		0.0148	0.0291	1	03/25/2019 12:39	WG1254917
2-Hexanone	U		0.0116	0.0291	1	03/25/2019 12:39	WG1254917
n-Hexane	0.0110	J0	0.00123	0.00582	1	03/25/2019 12:39	WG1254917
Iodomethane	U		0.00705	0.0146	1	03/25/2019 12:39	WG1254917
Isopropylbenzene	U		0.00101	0.00291	1	03/25/2019 12:39	WG1254917
p-Isopropyltoluene	U		0.00271	0.00582	1	03/25/2019 12:39	WG1254917
2-Butanone (MEK)	U		0.0146	0.0291	1	03/25/2019 12:39	WG1254917
Methylene Chloride	U		0.00773	0.0291	1	03/25/2019 12:39	WG1254917
4-Methyl-2-pentanone (MIBK)	U		0.0116	0.0291	1	03/25/2019 12:39	WG1254917

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000344	0.00116	1	03/25/2019 12:39	WG1254917
Naphthalene	U		0.00363	0.0146	1	03/25/2019 12:39	WG1254917
n-Propylbenzene	U		0.00137	0.00582	1	03/25/2019 12:39	WG1254917
Styrene	U		0.00318	0.0146	1	03/25/2019 12:39	WG1254917
1,1,1,2-Tetrachloroethane	U		0.000582	0.00291	1	03/25/2019 12:39	WG1254917
1,1,2,2-Tetrachloroethane	U		0.000454	0.00291	1	03/25/2019 12:39	WG1254917
1,1,2-Trichlorotrifluoroethane	U		0.000786	0.00291	1	03/25/2019 12:39	WG1254917
Tetrachloroethene	0.212		0.000815	0.00291	1	03/25/2019 12:39	WG1254917
Toluene	0.00188	J	0.00146	0.00582	1	03/25/2019 12:39	WG1254917
1,2,3-Trichlorobenzene	U		0.000728	0.00291	1	03/25/2019 12:39	WG1254917
1,2,4-Trichlorobenzene	U		0.00561	0.0146	1	03/25/2019 12:39	WG1254917
1,1,1-Trichloroethane	U		0.000320	0.00291	1	03/25/2019 12:39	WG1254917
1,1,2-Trichloroethane	U		0.00103	0.00291	1	03/25/2019 12:39	WG1254917
Trichloroethene	0.00993		0.000466	0.00116	1	03/25/2019 12:39	WG1254917
Trichlorofluoromethane	U		0.000582	0.00291	1	03/25/2019 12:39	WG1254917
1,2,3-Trichloropropane	U		0.00594	0.0146	1	03/25/2019 12:39	WG1254917
1,2,4-Trimethylbenzene	U		0.00135	0.00582	1	03/25/2019 12:39	WG1254917
1,2,3-Trimethylbenzene	U		0.00134	0.00582	1	03/25/2019 12:39	WG1254917
1,3,5-Trimethylbenzene	U		0.00126	0.00582	1	03/25/2019 12:39	WG1254917
Vinyl acetate	U		0.00410	0.0146	1	03/25/2019 12:39	WG1254917
Vinyl chloride	U		0.000796	0.00291	1	03/25/2019 12:39	WG1254917
Xylenes, Total	U		0.00557	0.00757	1	03/25/2019 12:39	WG1254917
(S) Toluene-d8	*107*			*75.0-131*		*03/25/2019 12:39*	WG1254917
(S) Toluene-d8	*93.5*			*75.0-131*		*03/26/2019 17:10*	WG1255214
(S) 4-Bromofluorobenzene	*93.6*			*67.0-138*		*03/25/2019 12:39*	WG1254917
(S) 4-Bromofluorobenzene	*79.3*			*67.0-138*		*03/26/2019 17:10*	WG1255214
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*03/25/2019 12:39*	WG1254917
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*03/26/2019 17:10*	WG1255214

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.8		1	03/25/2019 10:41	WG1254492

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.311	0.568	20.4	03/26/2019 21:25	WG1255214
Acrylonitrile	U		0.00221	0.0145	1.04	03/25/2019 12:58	WG1254917
Benzene	U		0.000463	0.00116	1.04	03/25/2019 12:58	WG1254917
Bromobenzene	U		0.00121	0.0145	1.04	03/25/2019 12:58	WG1254917
Bromodichloromethane	U		0.000913	0.00290	1.04	03/25/2019 12:58	WG1254917
Bromochloromethane	U	J4	0.00131	0.00579	1.04	03/25/2019 12:58	WG1254917
Bromoform	U		0.00693	0.0290	1.04	03/25/2019 12:58	WG1254917
Bromomethane	U		0.00429	0.0145	1.04	03/25/2019 12:58	WG1254917
n-Butylbenzene	U		0.00444	0.0145	1.04	03/25/2019 12:58	WG1254917
sec-Butylbenzene	U		0.00293	0.0145	1.04	03/25/2019 12:58	WG1254917
tert-Butylbenzene	U		0.00179	0.00579	1.04	03/25/2019 12:58	WG1254917
Carbon disulfide	U		0.00470	0.0145	1.04	03/25/2019 12:58	WG1254917
Carbon tetrachloride	U		0.00125	0.00579	1.04	03/25/2019 12:58	WG1254917
Chlorobenzene	U		0.000664	0.00290	1.04	03/25/2019 12:58	WG1254917
Chlorodibromomethane	U		0.000521	0.00290	1.04	03/25/2019 12:58	WG1254917
Chloroethane	U		0.00125	0.00579	1.04	03/25/2019 12:58	WG1254917
Chloroform	U		0.000481	0.00290	1.04	03/25/2019 12:58	WG1254917
Chloromethane	U		0.00160	0.0145	1.04	03/25/2019 12:58	WG1254917
2-Chlorotoluene	U		0.00107	0.00290	1.04	03/25/2019 12:58	WG1254917
4-Chlorotoluene	U		0.00131	0.00579	1.04	03/25/2019 12:58	WG1254917
1,2-Dibromo-3-Chloropropane	U		0.00590	0.0290	1.04	03/25/2019 12:58	WG1254917
1,2-Dibromoethane	U		0.000608	0.00290	1.04	03/25/2019 12:58	WG1254917
Dibromomethane	U		0.00116	0.00579	1.04	03/25/2019 12:58	WG1254917
1,2-Dichlorobenzene	U		0.00168	0.00579	1.04	03/25/2019 12:58	WG1254917
1,3-Dichlorobenzene	U		0.00197	0.00579	1.04	03/25/2019 12:58	WG1254917
1,4-Dichlorobenzene	U		0.00228	0.00579	1.04	03/25/2019 12:58	WG1254917
Dichlorodifluoromethane	U		0.000948	0.00290	1.04	03/25/2019 12:58	WG1254917
1,1-Dichloroethane	U		0.000666	0.00290	1.04	03/25/2019 12:58	WG1254917
1,2-Dichloroethane	U		0.000550	0.00290	1.04	03/25/2019 12:58	WG1254917
1,1-Dichloroethene	U		0.000579	0.00290	1.04	03/25/2019 12:58	WG1254917
cis-1,2-Dichloroethene	0.126	J4	0.000800	0.00290	1.04	03/25/2019 12:58	WG1254917
trans-1,2-Dichloroethene	U		0.00166	0.00579	1.04	03/25/2019 12:58	WG1254917
1,2-Dichloropropane	U		0.00147	0.00579	1.04	03/25/2019 12:58	WG1254917
1,1-Dichloropropene	U		0.000811	0.00290	1.04	03/25/2019 12:58	WG1254917
1,3-Dichloropropane	U		0.00203	0.00579	1.04	03/25/2019 12:58	WG1254917
cis-1,3-Dichloropropene	U		0.000785	0.00290	1.04	03/25/2019 12:58	WG1254917
trans-1,3-Dichloropropene	U		0.00177	0.00579	1.04	03/25/2019 12:58	WG1254917
trans-1,4-Dichloro-2-butene	U		0.00163	0.00579	1.04	03/25/2019 12:58	WG1254917
2,2-Dichloropropane	U	J4	0.000919	0.00290	1.04	03/25/2019 12:58	WG1254917
Di-isopropyl ether	U		0.000405	0.00116	1.04	03/25/2019 12:58	WG1254917
Ethylbenzene	U		0.000614	0.00290	1.04	03/25/2019 12:58	WG1254917
Hexachloro-1,3-butadiene	U		0.0147	0.0290	1.04	03/25/2019 12:58	WG1254917
2-Hexanone	U		0.0116	0.0290	1.04	03/25/2019 12:58	WG1254917
n-Hexane	U		0.00123	0.00579	1.04	03/25/2019 12:58	WG1254917
Iodomethane	U		0.00701	0.0145	1.04	03/25/2019 12:58	WG1254917
Isopropylbenzene	U		0.00100	0.00290	1.04	03/25/2019 12:58	WG1254917
p-Isopropyltoluene	U		0.00270	0.00579	1.04	03/25/2019 12:58	WG1254917
2-Butanone (MEK)	U		0.0145	0.0290	1.04	03/25/2019 12:58	WG1254917
Methylene Chloride	U		0.00769	0.0290	1.04	03/25/2019 12:58	WG1254917
4-Methyl-2-pentanone (MIBK)	U		0.0116	0.0290	1.04	03/25/2019 12:58	WG1254917

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000342	0.00116	1.04	03/25/2019 12:58	WG1254917
Naphthalene	U		0.00361	0.0145	1.04	03/25/2019 12:58	WG1254917
n-Propylbenzene	U		0.00137	0.00579	1.04	03/25/2019 12:58	WG1254917
Styrene	U		0.00316	0.0145	1.04	03/25/2019 12:58	WG1254917
1,1,1,2-Tetrachloroethane	U		0.000579	0.00290	1.04	03/25/2019 12:58	WG1254917
1,1,2,2-Tetrachloroethane	U		0.000452	0.00290	1.04	03/25/2019 12:58	WG1254917
1,1,2-Trichlorotrifluoroethane	U		0.000782	0.00290	1.04	03/25/2019 12:58	WG1254917
Tetrachloroethene	7.74		0.0159	0.0568	20.4	03/26/2019 21:25	WG1255214
Toluene	U		0.00145	0.00579	1.04	03/25/2019 12:58	WG1254917
1,2,3-Trichlorobenzene	U		0.000724	0.00290	1.04	03/25/2019 12:58	WG1254917
1,2,4-Trichlorobenzene	U		0.00558	0.0145	1.04	03/25/2019 12:58	WG1254917
1,1,1-Trichloroethane	U		0.000319	0.00290	1.04	03/25/2019 12:58	WG1254917
1,1,2-Trichloroethane	U		0.00102	0.00290	1.04	03/25/2019 12:58	WG1254917
Trichloroethene	0.222		0.000463	0.00116	1.04	03/25/2019 12:58	WG1254917
Trichlorofluoromethane	U		0.000579	0.00290	1.04	03/25/2019 12:58	WG1254917
1,2,3-Trichloropropane	U		0.00590	0.0145	1.04	03/25/2019 12:58	WG1254917
1,2,4-Trimethylbenzene	U		0.00135	0.00579	1.04	03/25/2019 12:58	WG1254917
1,2,3-Trimethylbenzene	U		0.00134	0.00579	1.04	03/25/2019 12:58	WG1254917
1,3,5-Trimethylbenzene	U		0.00125	0.00579	1.04	03/25/2019 12:58	WG1254917
Vinyl acetate	U		0.00408	0.0145	1.04	03/25/2019 12:58	WG1254917
Vinyl chloride	U		0.000791	0.00290	1.04	03/25/2019 12:58	WG1254917
Xylenes, Total	U		0.00554	0.00753	1.04	03/25/2019 12:58	WG1254917
(S) Toluene-d8	*107*			*75.0-131*		*03/25/2019 12:58*	WG1254917
(S) Toluene-d8	*90.1*			*75.0-131*		*03/26/2019 21:25*	WG1255214
(S) 4-Bromofluorobenzene	*93.3*			*67.0-138*		*03/25/2019 12:58*	WG1254917
(S) 4-Bromofluorobenzene	*76.5*			*67.0-138*		*03/26/2019 21:25*	WG1255214
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*03/25/2019 12:58*	WG1254917
(S) 1,2-Dichloroethane-d4	*122*			*70.0-130*		*03/26/2019 21:25*	WG1255214

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.2		1	03/25/2019 10:41	WG1254492

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0157	0.0287	1	03/26/2019 17:30	WG1255214
Acrylonitrile	U		0.00218	0.0143	1	03/25/2019 13:24	WG1254917
Benzene	0.000779	J	0.000459	0.00115	1	03/25/2019 13:24	WG1254917
Bromobenzene	U		0.00120	0.0143	1	03/25/2019 13:24	WG1254917
Bromodichloromethane	U		0.000904	0.00287	1	03/25/2019 13:24	WG1254917
Bromochloromethane	U	J4	0.00130	0.00573	1	03/25/2019 13:24	WG1254917
Bromoform	U		0.00686	0.0287	1	03/25/2019 13:24	WG1254917
Bromomethane	U		0.00424	0.0143	1	03/25/2019 13:24	WG1254917
n-Butylbenzene	U		0.00440	0.0143	1	03/25/2019 13:24	WG1254917
sec-Butylbenzene	U		0.00290	0.0143	1	03/25/2019 13:24	WG1254917
tert-Butylbenzene	U		0.00178	0.00573	1	03/25/2019 13:24	WG1254917
Carbon disulfide	U		0.00466	0.0143	1	03/25/2019 13:24	WG1254917
Carbon tetrachloride	U		0.00124	0.00573	1	03/25/2019 13:24	WG1254917
Chlorobenzene	U		0.000657	0.00287	1	03/25/2019 13:24	WG1254917
Chlorodibromomethane	U		0.000516	0.00287	1	03/25/2019 13:24	WG1254917
Chloroethane	U		0.00124	0.00573	1	03/25/2019 13:24	WG1254917
Chloroform	U		0.000476	0.00287	1	03/25/2019 13:24	WG1254917
Chloromethane	U		0.00159	0.0143	1	03/25/2019 13:24	WG1254917
2-Chlorotoluene	U		0.00105	0.00287	1	03/25/2019 13:24	WG1254917
4-Chlorotoluene	U		0.00130	0.00573	1	03/25/2019 13:24	WG1254917
1,2-Dibromo-3-Chloropropane	U		0.00585	0.0287	1	03/25/2019 13:24	WG1254917
1,2-Dibromoethane	U		0.000602	0.00287	1	03/25/2019 13:24	WG1254917
Dibromomethane	U		0.00115	0.00573	1	03/25/2019 13:24	WG1254917
1,2-Dichlorobenzene	U		0.00166	0.00573	1	03/25/2019 13:24	WG1254917
1,3-Dichlorobenzene	U		0.00195	0.00573	1	03/25/2019 13:24	WG1254917
1,4-Dichlorobenzene	U		0.00226	0.00573	1	03/25/2019 13:24	WG1254917
Dichlorodifluoromethane	U		0.000938	0.00287	1	03/25/2019 13:24	WG1254917
1,1-Dichloroethane	U		0.000659	0.00287	1	03/25/2019 13:24	WG1254917
1,2-Dichloroethane	U		0.000545	0.00287	1	03/25/2019 13:24	WG1254917
1,1-Dichloroethene	U		0.000573	0.00287	1	03/25/2019 13:24	WG1254917
cis-1,2-Dichloroethene	U	J4	0.000791	0.00287	1	03/25/2019 13:24	WG1254917
trans-1,2-Dichloroethene	U		0.00164	0.00573	1	03/25/2019 13:24	WG1254917
1,2-Dichloropropane	U		0.00146	0.00573	1	03/25/2019 13:24	WG1254917
1,1-Dichloropropene	U		0.000803	0.00287	1	03/25/2019 13:24	WG1254917
1,3-Dichloropropane	U		0.00201	0.00573	1	03/25/2019 13:24	WG1254917
cis-1,3-Dichloropropene	U		0.000777	0.00287	1	03/25/2019 13:24	WG1254917
trans-1,3-Dichloropropene	U		0.00175	0.00573	1	03/25/2019 13:24	WG1254917
trans-1,4-Dichloro-2-butene	U		0.00161	0.00573	1	03/25/2019 13:24	WG1254917
2,2-Dichloropropane	U	J4	0.000909	0.00287	1	03/25/2019 13:24	WG1254917
Di-isopropyl ether	U		0.000401	0.00115	1	03/25/2019 13:24	WG1254917
Ethylbenzene	U		0.000608	0.00287	1	03/25/2019 13:24	WG1254917
Hexachloro-1,3-butadiene	U		0.0146	0.0287	1	03/25/2019 13:24	WG1254917
2-Hexanone	U		0.0115	0.0287	1	03/25/2019 13:24	WG1254917
n-Hexane	0.0138	J0	0.00122	0.00573	1	03/25/2019 13:24	WG1254917
Iodomethane	U		0.00694	0.0143	1	03/25/2019 13:24	WG1254917
Isopropylbenzene	U		0.000990	0.00287	1	03/25/2019 13:24	WG1254917
p-Isopropyltoluene	U		0.00267	0.00573	1	03/25/2019 13:24	WG1254917
2-Butanone (MEK)	U		0.0143	0.0287	1	03/25/2019 13:24	WG1254917
Methylene Chloride	U		0.00761	0.0287	1	03/25/2019 13:24	WG1254917
4-Methyl-2-pentanone (MIBK)	U		0.0115	0.0287	1	03/25/2019 13:24	WG1254917

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000338	0.00115	1	03/25/2019 13:24	WG1254917
Naphthalene	U		0.00358	0.0143	1	03/25/2019 13:24	WG1254917
n-Propylbenzene	U		0.00135	0.00573	1	03/25/2019 13:24	WG1254917
Styrene	U		0.00313	0.0143	1	03/25/2019 13:24	WG1254917
1,1,1,2-Tetrachloroethane	U		0.000573	0.00287	1	03/25/2019 13:24	WG1254917
1,1,2,2-Tetrachloroethane	U		0.000447	0.00287	1	03/25/2019 13:24	WG1254917
1,1,2-Trichlorotrifluoroethane	U		0.000774	0.00287	1	03/25/2019 13:24	WG1254917
Tetrachloroethene	0.00329		0.000803	0.00287	1	03/26/2019 17:30	WG1255214
Toluene	0.00247	J	0.00143	0.00573	1	03/25/2019 13:24	WG1254917
1,2,3-Trichlorobenzene	U		0.000717	0.00287	1	03/25/2019 13:24	WG1254917
1,2,4-Trichlorobenzene	U		0.00553	0.0143	1	03/25/2019 13:24	WG1254917
1,1,1-Trichloroethane	U		0.000315	0.00287	1	03/25/2019 13:24	WG1254917
1,1,2-Trichloroethane	U		0.00101	0.00287	1	03/25/2019 13:24	WG1254917
Trichloroethene	U		0.000459	0.00115	1	03/25/2019 13:24	WG1254917
Trichlorofluoromethane	U		0.000573	0.00287	1	03/25/2019 13:24	WG1254917
1,2,3-Trichloropropane	U		0.00585	0.0143	1	03/25/2019 13:24	WG1254917
1,2,4-Trimethylbenzene	U		0.00133	0.00573	1	03/25/2019 13:24	WG1254917
1,2,3-Trimethylbenzene	U		0.00132	0.00573	1	03/25/2019 13:24	WG1254917
1,3,5-Trimethylbenzene	U		0.00124	0.00573	1	03/25/2019 13:24	WG1254917
Vinyl acetate	U		0.00404	0.0143	1	03/25/2019 13:24	WG1254917
Vinyl chloride	U		0.000783	0.00287	1	03/25/2019 13:24	WG1254917
Xylenes, Total	U		0.00548	0.00745	1	03/25/2019 13:24	WG1254917
(S) Toluene-d8	*106*			*75.0-131*		*03/25/2019 13:24*	WG1254917
(S) Toluene-d8	*95.1*			*75.0-131*		*03/26/2019 17:30*	WG1255214
(S) 4-Bromofluorobenzene	*90.9*			*67.0-138*		*03/25/2019 13:24*	WG1254917
(S) 4-Bromofluorobenzene	*78.5*			*67.0-138*		*03/26/2019 17:30*	WG1255214
(S) 1,2-Dichloroethane-d4	*99.3*			*70.0-130*		*03/25/2019 13:24*	WG1254917
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*03/26/2019 17:30*	WG1255214

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.8		1	03/25/2019 10:41	WG1254492

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0158	0.0288	1	03/26/2019 17:49	WG1255214
Acrylonitrile	U		0.00219	0.0144	1	03/25/2019 16:16	WG1254917
Benzene	0.000769	J	0.000461	0.00115	1	03/25/2019 16:16	WG1254917
Bromobenzene	U		0.00121	0.0144	1	03/25/2019 16:16	WG1254917
Bromodichloromethane	U		0.000908	0.00288	1	03/25/2019 16:16	WG1254917
Bromochloromethane	U	J4	0.00130	0.00576	1	03/25/2019 16:16	WG1254917
Bromoform	U		0.00689	0.0288	1	03/25/2019 16:16	WG1254917
Bromomethane	U		0.00426	0.0144	1	03/25/2019 16:16	WG1254917
n-Butylbenzene	U		0.00442	0.0144	1	03/25/2019 16:16	WG1254917
sec-Butylbenzene	U		0.00292	0.0144	1	03/25/2019 16:16	WG1254917
tert-Butylbenzene	U		0.00179	0.00576	1	03/25/2019 16:16	WG1254917
Carbon disulfide	U		0.00468	0.0144	1	03/25/2019 16:16	WG1254917
Carbon tetrachloride	U		0.00124	0.00576	1	03/25/2019 16:16	WG1254917
Chlorobenzene	U		0.000660	0.00288	1	03/25/2019 16:16	WG1254917
Chlorodibromomethane	U		0.000519	0.00288	1	03/25/2019 16:16	WG1254917
Chloroethane	U		0.00124	0.00576	1	03/25/2019 16:16	WG1254917
Chloroform	U		0.000478	0.00288	1	03/25/2019 16:16	WG1254917
Chloromethane	U		0.00160	0.0144	1	03/25/2019 16:16	WG1254917
2-Chlorotoluene	U		0.00106	0.00288	1	03/25/2019 16:16	WG1254917
4-Chlorotoluene	U		0.00130	0.00576	1	03/25/2019 16:16	WG1254917
1,2-Dibromo-3-Chloropropane	U		0.00588	0.0288	1	03/25/2019 16:16	WG1254917
1,2-Dibromoethane	U		0.000605	0.00288	1	03/25/2019 16:16	WG1254917
Dibromomethane	U		0.00115	0.00576	1	03/25/2019 16:16	WG1254917
1,2-Dichlorobenzene	U		0.00167	0.00576	1	03/25/2019 16:16	WG1254917
1,3-Dichlorobenzene	U		0.00196	0.00576	1	03/25/2019 16:16	WG1254917
1,4-Dichlorobenzene	U		0.00227	0.00576	1	03/25/2019 16:16	WG1254917
Dichlorodifluoromethane	U		0.000943	0.00288	1	03/25/2019 16:16	WG1254917
1,1-Dichloroethane	U		0.000663	0.00288	1	03/25/2019 16:16	WG1254917
1,2-Dichloroethane	U		0.000547	0.00288	1	03/25/2019 16:16	WG1254917
1,1-Dichloroethene	U		0.000576	0.00288	1	03/25/2019 16:16	WG1254917
cis-1,2-Dichloroethene	U	J4	0.000795	0.00288	1	03/25/2019 16:16	WG1254917
trans-1,2-Dichloroethene	U		0.00165	0.00576	1	03/25/2019 16:16	WG1254917
1,2-Dichloropropane	U		0.00146	0.00576	1	03/25/2019 16:16	WG1254917
1,1-Dichloropropene	U		0.000807	0.00288	1	03/25/2019 16:16	WG1254917
1,3-Dichloropropane	U		0.00202	0.00576	1	03/25/2019 16:16	WG1254917
cis-1,3-Dichloropropene	U		0.000781	0.00288	1	03/25/2019 16:16	WG1254917
trans-1,3-Dichloropropene	U		0.00176	0.00576	1	03/25/2019 16:16	WG1254917
trans-1,4-Dichloro-2-butene	U		0.00161	0.00576	1	03/25/2019 16:16	WG1254917
2,2-Dichloropropane	U	J4	0.000914	0.00288	1	03/25/2019 16:16	WG1254917
Di-isopropyl ether	U		0.000403	0.00115	1	03/25/2019 16:16	WG1254917
Ethylbenzene	U	J4	0.000611	0.00288	1	03/26/2019 17:49	WG1255214
Hexachloro-1,3-butadiene	U		0.0146	0.0288	1	03/25/2019 16:16	WG1254917
2-Hexanone	U		0.0115	0.0288	1	03/25/2019 16:16	WG1254917
n-Hexane	0.00653	J0	0.00122	0.00576	1	03/25/2019 16:16	WG1254917
Iodomethane	U		0.00697	0.0144	1	03/25/2019 16:16	WG1254917
Isopropylbenzene	U		0.000994	0.00288	1	03/25/2019 16:16	WG1254917
p-Isopropyltoluene	U		0.00268	0.00576	1	03/25/2019 16:16	WG1254917
2-Butanone (MEK)	U		0.0144	0.0288	1	03/25/2019 16:16	WG1254917
Methylene Chloride	U		0.00765	0.0288	1	03/25/2019 16:16	WG1254917
4-Methyl-2-pentanone (MIBK)	U		0.0115	0.0288	1	03/25/2019 16:16	WG1254917

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000340	0.00115	1	03/25/2019 16:16	WG1254917
Naphthalene	U		0.00360	0.0144	1	03/26/2019 17:49	WG1255214
n-Propylbenzene	U		0.00136	0.00576	1	03/26/2019 17:49	WG1255214
Styrene	U		0.00315	0.0144	1	03/25/2019 16:16	WG1254917
1,1,1,2-Tetrachloroethane	U		0.000576	0.00288	1	03/25/2019 16:16	WG1254917
1,1,2,2-Tetrachloroethane	U		0.000449	0.00288	1	03/25/2019 16:16	WG1254917
1,1,2-Trichlorotrifluoroethane	U		0.000778	0.00288	1	03/25/2019 16:16	WG1254917
Tetrachloroethene	U		0.000807	0.00288	1	03/25/2019 16:16	WG1254917
Toluene	0.00173	J	0.00144	0.00576	1	03/25/2019 16:16	WG1254917
1,2,3-Trichlorobenzene	U		0.000720	0.00288	1	03/25/2019 16:16	WG1254917
1,2,4-Trichlorobenzene	U		0.00555	0.0144	1	03/25/2019 16:16	WG1254917
1,1,1-Trichloroethane	U		0.000317	0.00288	1	03/25/2019 16:16	WG1254917
1,1,2-Trichloroethane	U		0.00102	0.00288	1	03/25/2019 16:16	WG1254917
Trichloroethene	U		0.000461	0.00115	1	03/25/2019 16:16	WG1254917
Trichlorofluoromethane	U		0.000576	0.00288	1	03/25/2019 16:16	WG1254917
1,2,3-Trichloropropane	U		0.00588	0.0144	1	03/25/2019 16:16	WG1254917
1,2,4-Trimethylbenzene	U		0.00134	0.00576	1	03/26/2019 17:49	WG1255214
1,2,3-Trimethylbenzene	U		0.00133	0.00576	1	03/26/2019 17:49	WG1255214
1,3,5-Trimethylbenzene	U		0.00124	0.00576	1	03/26/2019 17:49	WG1255214
Vinyl acetate	U		0.00406	0.0144	1	03/25/2019 16:16	WG1254917
Vinyl chloride	U		0.000787	0.00288	1	03/25/2019 16:16	WG1254917
Xylenes, Total	U	J4	0.00551	0.00749	1	03/26/2019 17:49	WG1255214
(S) Toluene-d8	*106*			*75.0-131*		*03/25/2019 16:16*	WG1254917
(S) Toluene-d8	*94.6*			*75.0-131*		*03/26/2019 17:49*	WG1255214
(S) 4-Bromofluorobenzene	*93.6*			*67.0-138*		*03/25/2019 16:16*	WG1254917
(S) 4-Bromofluorobenzene	*77.5*			*67.0-138*		*03/26/2019 17:49*	WG1255214
(S) 1,2-Dichloroethane-d4	*93.2*			*70.0-130*		*03/25/2019 16:16*	WG1254917
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*03/26/2019 17:49*	WG1255214

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.3		1	03/25/2019 10:41	WG1254492

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0153	0.0280	1	03/26/2019 18:09	WG1255751
Acrylonitrile	U		0.00213	0.0140	1	03/25/2019 16:57	WG1254917
Benzene	U		0.000448	0.00112	1	03/25/2019 16:57	WG1254917
Bromobenzene	U		0.00118	0.0140	1	03/25/2019 16:57	WG1254917
Bromodichloromethane	U		0.000883	0.00280	1	03/25/2019 16:57	WG1254917
Bromochloromethane	U	J4	0.00127	0.00560	1	03/25/2019 16:57	WG1254917
Bromoform	U		0.00670	0.0280	1	03/25/2019 16:57	WG1254917
Bromomethane	U		0.00415	0.0140	1	03/25/2019 16:57	WG1254917
n-Butylbenzene	U		0.00430	0.0140	1	03/25/2019 16:57	WG1254917
sec-Butylbenzene	U		0.00283	0.0140	1	03/25/2019 16:57	WG1254917
tert-Butylbenzene	U		0.00174	0.00560	1	03/25/2019 16:57	WG1254917
Carbon disulfide	0.00535	J	0.00455	0.0140	1	03/25/2019 16:57	WG1254917
Carbon tetrachloride	U		0.00121	0.00560	1	03/25/2019 16:57	WG1254917
Chlorobenzene	U		0.000642	0.00280	1	03/25/2019 16:57	WG1254917
Chlorodibromomethane	U		0.000504	0.00280	1	03/25/2019 16:57	WG1254917
Chloroethane	U		0.00121	0.00560	1	03/25/2019 16:57	WG1254917
Chloroform	U		0.000465	0.00280	1	03/25/2019 16:57	WG1254917
Chloromethane	U		0.00156	0.0140	1	03/25/2019 16:57	WG1254917
2-Chlorotoluene	U		0.00103	0.00280	1	03/25/2019 16:57	WG1254917
4-Chlorotoluene	U		0.00127	0.00560	1	03/25/2019 16:57	WG1254917
1,2-Dibromo-3-Chloropropane	U		0.00571	0.0280	1	03/25/2019 16:57	WG1254917
1,2-Dibromoethane	U		0.000588	0.00280	1	03/25/2019 16:57	WG1254917
Dibromomethane	U		0.00112	0.00560	1	03/25/2019 16:57	WG1254917
1,2-Dichlorobenzene	U		0.00162	0.00560	1	03/25/2019 16:57	WG1254917
1,3-Dichlorobenzene	U		0.00190	0.00560	1	03/25/2019 16:57	WG1254917
1,4-Dichlorobenzene	U		0.00221	0.00560	1	03/25/2019 16:57	WG1254917
Dichlorodifluoromethane	U		0.000916	0.00280	1	03/25/2019 16:57	WG1254917
1,1-Dichloroethane	U		0.000644	0.00280	1	03/25/2019 16:57	WG1254917
1,2-Dichloroethane	U		0.000532	0.00280	1	03/25/2019 16:57	WG1254917
1,1-Dichloroethene	U		0.000560	0.00280	1	03/25/2019 16:57	WG1254917
cis-1,2-Dichloroethene	U	J4	0.000773	0.00280	1	03/25/2019 16:57	WG1254917
trans-1,2-Dichloroethene	U		0.00160	0.00560	1	03/25/2019 16:57	WG1254917
1,2-Dichloropropane	U		0.00142	0.00560	1	03/25/2019 16:57	WG1254917
1,1-Dichloropropene	U		0.000784	0.00280	1	03/25/2019 16:57	WG1254917
1,3-Dichloropropane	U		0.00196	0.00560	1	03/25/2019 16:57	WG1254917
cis-1,3-Dichloropropene	U		0.000760	0.00280	1	03/25/2019 16:57	WG1254917
trans-1,3-Dichloropropene	U		0.00171	0.00560	1	03/25/2019 16:57	WG1254917
trans-1,4-Dichloro-2-butene	U		0.00157	0.00560	1	03/25/2019 16:57	WG1254917
2,2-Dichloropropane	U	J4	0.000888	0.00280	1	03/25/2019 16:57	WG1254917
Di-isopropyl ether	U		0.000392	0.00112	1	03/25/2019 16:57	WG1254917
Ethylbenzene	0.000613	J J4	0.000594	0.00280	1	03/26/2019 18:09	WG1255751
Hexachloro-1,3-butadiene	U		0.0142	0.0280	1	03/25/2019 16:57	WG1254917
2-Hexanone	U		0.0112	0.0280	1	03/25/2019 16:57	WG1254917
n-Hexane	U		0.00119	0.00560	1	03/25/2019 16:57	WG1254917
Iodomethane	U		0.00678	0.0140	1	03/25/2019 16:57	WG1254917
Isopropylbenzene	U		0.000967	0.00280	1	03/25/2019 16:57	WG1254917
p-Isopropyltoluene	U		0.00261	0.00560	1	03/25/2019 16:57	WG1254917
2-Butanone (MEK)	0.0166	J	0.0140	0.0280	1	03/25/2019 16:57	WG1254917
Methylene Chloride	U		0.00744	0.0280	1	03/25/2019 16:57	WG1254917
4-Methyl-2-pentanone (MIBK)	U		0.0112	0.0280	1	03/25/2019 16:57	WG1254917

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000331	0.00112	1	03/25/2019 16:57	WG1254917
Naphthalene	U		0.00350	0.0140	1	03/26/2019 18:09	WG1255751
n-Propylbenzene	U		0.00132	0.00560	1	03/26/2019 18:09	WG1255751
Styrene	U		0.00306	0.0140	1	03/25/2019 16:57	WG1254917
1,1,1,2-Tetrachloroethane	U		0.000560	0.00280	1	03/25/2019 16:57	WG1254917
1,1,2,2-Tetrachloroethane	U		0.000437	0.00280	1	03/25/2019 16:57	WG1254917
1,1,2-Trichlorotrifluoroethane	U		0.000756	0.00280	1	03/25/2019 16:57	WG1254917
Tetrachloroethene	U		0.000784	0.00280	1	03/25/2019 16:57	WG1254917
Toluene	0.00253	J	0.00140	0.00560	1	03/25/2019 16:57	WG1254917
1,2,3-Trichlorobenzene	U		0.000700	0.00280	1	03/25/2019 16:57	WG1254917
1,2,4-Trichlorobenzene	U		0.00540	0.0140	1	03/25/2019 16:57	WG1254917
1,1,1-Trichloroethane	U		0.000308	0.00280	1	03/25/2019 16:57	WG1254917
1,1,2-Trichloroethane	U		0.000989	0.00280	1	03/25/2019 16:57	WG1254917
Trichloroethene	U		0.000448	0.00112	1	03/25/2019 16:57	WG1254917
Trichlorofluoromethane	U		0.000560	0.00280	1	03/25/2019 16:57	WG1254917
1,2,3-Trichloropropane	U		0.00571	0.0140	1	03/25/2019 16:57	WG1254917
1,2,4-Trimethylbenzene	U		0.00130	0.00560	1	03/26/2019 18:09	WG1255751
1,2,3-Trimethylbenzene	U		0.00129	0.00560	1	03/26/2019 18:09	WG1255751
1,3,5-Trimethylbenzene	U		0.00121	0.00560	1	03/26/2019 18:09	WG1255751
Vinyl acetate	U		0.00394	0.0140	1	03/25/2019 16:57	WG1254917
Vinyl chloride	U		0.000765	0.00280	1	03/25/2019 16:57	WG1254917
Xylenes, Total	U		0.00536	0.00728	1	03/25/2019 16:57	WG1254917
(S) Toluene-d8	*106*			*75.0-131*		*03/25/2019 16:57*	WG1254917
(S) Toluene-d8	*92.8*			*75.0-131*		*03/26/2019 18:09*	WG1255751
(S) 4-Bromofluorobenzene	*93.2*			*67.0-138*		*03/25/2019 16:57*	WG1254917
(S) 4-Bromofluorobenzene	*82.6*			*67.0-138*		*03/26/2019 18:09*	WG1255751
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*03/25/2019 16:57*	WG1254917
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*03/26/2019 18:09*	WG1255751

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.3		1	03/25/2019 10:41	WG1254492

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0196	J	0.0173	0.0317	1.07	03/26/2019 18:29	WG1255751
Acrylonitrile	U		0.00241	0.0159	1.07	03/25/2019 17:16	WG1254917
Benzene	U		0.000508	0.00127	1.07	03/25/2019 17:16	WG1254917
Bromobenzene	U		0.00133	0.0159	1.07	03/25/2019 17:16	WG1254917
Bromodichloromethane	U		0.00100	0.00317	1.07	03/25/2019 17:16	WG1254917
Bromochloromethane	U	J4	0.00143	0.00634	1.07	03/25/2019 17:16	WG1254917
Bromoform	U		0.00759	0.0317	1.07	03/25/2019 17:16	WG1254917
Bromomethane	U		0.00470	0.0159	1.07	03/25/2019 17:16	WG1254917
n-Butylbenzene	U		0.00487	0.0159	1.07	03/25/2019 17:16	WG1254917
sec-Butylbenzene	U		0.00321	0.0159	1.07	03/25/2019 17:16	WG1254917
tert-Butylbenzene	U		0.00197	0.00634	1.07	03/25/2019 17:16	WG1254917
Carbon disulfide	U		0.00515	0.0159	1.07	03/25/2019 17:16	WG1254917
Carbon tetrachloride	U		0.00138	0.00634	1.07	03/25/2019 17:16	WG1254917
Chlorobenzene	U		0.000727	0.00317	1.07	03/25/2019 17:16	WG1254917
Chlorodibromomethane	U		0.000572	0.00317	1.07	03/25/2019 17:16	WG1254917
Chloroethane	U		0.00138	0.00634	1.07	03/25/2019 17:16	WG1254917
Chloroform	U		0.000527	0.00317	1.07	03/25/2019 17:16	WG1254917
Chloromethane	U		0.00177	0.0159	1.07	03/25/2019 17:16	WG1254917
2-Chlorotoluene	U		0.00117	0.00317	1.07	03/25/2019 17:16	WG1254917
4-Chlorotoluene	U		0.00143	0.00634	1.07	03/25/2019 17:16	WG1254917
1,2-Dibromo-3-Chloropropane	U		0.00648	0.0317	1.07	03/25/2019 17:16	WG1254917
1,2-Dibromoethane	U		0.000666	0.00317	1.07	03/25/2019 17:16	WG1254917
Dibromomethane	U		0.00127	0.00634	1.07	03/25/2019 17:16	WG1254917
1,2-Dichlorobenzene	U		0.00184	0.00634	1.07	03/25/2019 17:16	WG1254917
1,3-Dichlorobenzene	U		0.00216	0.00634	1.07	03/25/2019 17:16	WG1254917
1,4-Dichlorobenzene	U		0.00250	0.00634	1.07	03/25/2019 17:16	WG1254917
Dichlorodifluoromethane	U		0.00104	0.00317	1.07	03/25/2019 17:16	WG1254917
1,1-Dichloroethane	U		0.000729	0.00317	1.07	03/25/2019 17:16	WG1254917
1,2-Dichloroethane	U		0.000602	0.00317	1.07	03/25/2019 17:16	WG1254917
1,1-Dichloroethene	U		0.000634	0.00317	1.07	03/25/2019 17:16	WG1254917
cis-1,2-Dichloroethene	U	J4	0.000875	0.00317	1.07	03/25/2019 17:16	WG1254917
trans-1,2-Dichloroethene	U		0.00181	0.00634	1.07	03/25/2019 17:16	WG1254917
1,2-Dichloropropane	U		0.00161	0.00634	1.07	03/25/2019 17:16	WG1254917
1,1-Dichloropropene	U		0.000888	0.00317	1.07	03/25/2019 17:16	WG1254917
1,3-Dichloropropane	U		0.00222	0.00634	1.07	03/25/2019 17:16	WG1254917
cis-1,3-Dichloropropene	U		0.000860	0.00317	1.07	03/25/2019 17:16	WG1254917
trans-1,3-Dichloropropene	U		0.00194	0.00634	1.07	03/25/2019 17:16	WG1254917
trans-1,4-Dichloro-2-butene	U		0.00178	0.00634	1.07	03/25/2019 17:16	WG1254917
2,2-Dichloropropane	U	J4	0.00101	0.00317	1.07	03/25/2019 17:16	WG1254917
Di-isopropyl ether	U		0.000444	0.00127	1.07	03/25/2019 17:16	WG1254917
Ethylbenzene	U	J4	0.000672	0.00317	1.07	03/26/2019 18:29	WG1255751
Hexachloro-1,3-butadiene	U		0.0161	0.0317	1.07	03/25/2019 17:16	WG1254917
2-Hexanone	U		0.0127	0.0317	1.07	03/25/2019 17:16	WG1254917
n-Hexane	U		0.00134	0.00634	1.07	03/25/2019 17:16	WG1254917
Iodomethane	U		0.00767	0.0159	1.07	03/25/2019 17:16	WG1254917
Isopropylbenzene	U		0.00109	0.00317	1.07	03/25/2019 17:16	WG1254917
p-Isopropyltoluene	U		0.00295	0.00634	1.07	03/25/2019 17:16	WG1254917
2-Butanone (MEK)	U		0.0159	0.0317	1.07	03/25/2019 17:16	WG1254917
Methylene Chloride	U		0.00842	0.0317	1.07	03/25/2019 17:16	WG1254917
4-Methyl-2-pentanone (MIBK)	U		0.0127	0.0317	1.07	03/25/2019 17:16	WG1254917

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000375	0.00127	1.07	03/25/2019 17:16	WG1254917
Naphthalene	U		0.00396	0.0159	1.07	03/25/2019 17:16	WG1254917
n-Propylbenzene	U		0.00149	0.00634	1.07	03/25/2019 17:16	WG1254917
Styrene	U		0.00346	0.0159	1.07	03/25/2019 17:16	WG1254917
1,1,1,2-Tetrachloroethane	U		0.000634	0.00317	1.07	03/25/2019 17:16	WG1254917
1,1,2,2-Tetrachloroethane	U		0.000495	0.00317	1.07	03/25/2019 17:16	WG1254917
1,1,2-Trichlorotrifluoroethane	U		0.000856	0.00317	1.07	03/25/2019 17:16	WG1254917
Tetrachloroethene	U		0.000888	0.00317	1.07	03/25/2019 17:16	WG1254917
Toluene	0.00244	J	0.00159	0.00634	1.07	03/25/2019 17:16	WG1254917
1,2,3-Trichlorobenzene	U		0.000793	0.00317	1.07	03/25/2019 17:16	WG1254917
1,2,4-Trichlorobenzene	U		0.00612	0.0159	1.07	03/25/2019 17:16	WG1254917
1,1,1-Trichloroethane	U		0.000349	0.00317	1.07	03/25/2019 17:16	WG1254917
1,1,2-Trichloroethane	U		0.00112	0.00317	1.07	03/25/2019 17:16	WG1254917
Trichloroethene	U		0.000508	0.00127	1.07	03/25/2019 17:16	WG1254917
Trichlorofluoromethane	U		0.000634	0.00317	1.07	03/25/2019 17:16	WG1254917
1,2,3-Trichloropropane	U		0.00648	0.0159	1.07	03/25/2019 17:16	WG1254917
1,2,4-Trimethylbenzene	U		0.00147	0.00634	1.07	03/26/2019 18:29	WG1255751
1,2,3-Trimethylbenzene	U		0.00146	0.00634	1.07	03/26/2019 18:29	WG1255751
1,3,5-Trimethylbenzene	U		0.00138	0.00634	1.07	03/25/2019 17:16	WG1254917
Vinyl acetate	U		0.00447	0.0159	1.07	03/25/2019 17:16	WG1254917
Vinyl chloride	U		0.000867	0.00317	1.07	03/25/2019 17:16	WG1254917
Xylenes, Total	U		0.00606	0.00825	1.07	03/25/2019 17:16	WG1254917
(S) Toluene-d8	*106*			*75.0-131*		*03/25/2019 17:16*	WG1254917
(S) Toluene-d8	*93.9*			*75.0-131*		*03/26/2019 18:29*	WG1255751
(S) 4-Bromofluorobenzene	*94.4*			*67.0-138*		*03/25/2019 17:16*	WG1254917
(S) 4-Bromofluorobenzene	*79.8*			*67.0-138*		*03/26/2019 18:29*	WG1255751
(S) 1,2-Dichloroethane-d4	*94.0*			*70.0-130*		*03/25/2019 17:16*	WG1254917
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*03/26/2019 18:29*	WG1255751

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.9		1	03/25/2019 10:41	WG1254492

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0167	0.0305	1	03/26/2019 18:48	WG1255751
Acrylonitrile	U		0.00232	0.0153	1	03/25/2019 17:54	WG1254917
Benzene	U		0.000488	0.00122	1	03/25/2019 17:54	WG1254917
Bromobenzene	U		0.00128	0.0153	1	03/25/2019 17:54	WG1254917
Bromodichloromethane	U		0.000962	0.00305	1	03/25/2019 17:54	WG1254917
Bromochloromethane	U	J4	0.00138	0.00610	1	03/25/2019 17:54	WG1254917
Bromoform	U		0.00730	0.0305	1	03/25/2019 17:54	WG1254917
Bromomethane	U		0.00452	0.0153	1	03/25/2019 17:54	WG1254917
n-Butylbenzene	U		0.00469	0.0153	1	03/25/2019 17:54	WG1254917
sec-Butylbenzene	U		0.00309	0.0153	1	03/25/2019 17:54	WG1254917
tert-Butylbenzene	U		0.00189	0.00610	1	03/25/2019 17:54	WG1254917
Carbon disulfide	U		0.00496	0.0153	1	03/25/2019 17:54	WG1254917
Carbon tetrachloride	U		0.00132	0.00610	1	03/25/2019 17:54	WG1254917
Chlorobenzene	U		0.000699	0.00305	1	03/25/2019 17:54	WG1254917
Chlorodibromomethane	U		0.000549	0.00305	1	03/25/2019 17:54	WG1254917
Chloroethane	U		0.00132	0.00610	1	03/25/2019 17:54	WG1254917
Chloroform	U		0.000507	0.00305	1	03/25/2019 17:54	WG1254917
Chloromethane	U		0.00170	0.0153	1	03/25/2019 17:54	WG1254917
2-Chlorotoluene	U		0.00112	0.00305	1	03/25/2019 17:54	WG1254917
4-Chlorotoluene	U		0.00138	0.00610	1	03/25/2019 17:54	WG1254917
1,2-Dibromo-3-Chloropropane	U		0.00622	0.0305	1	03/25/2019 17:54	WG1254917
1,2-Dibromoethane	U		0.000641	0.00305	1	03/25/2019 17:54	WG1254917
Dibromomethane	U		0.00122	0.00610	1	03/25/2019 17:54	WG1254917
1,2-Dichlorobenzene	U		0.00177	0.00610	1	03/25/2019 17:54	WG1254917
1,3-Dichlorobenzene	U		0.00207	0.00610	1	03/25/2019 17:54	WG1254917
1,4-Dichlorobenzene	U		0.00240	0.00610	1	03/25/2019 17:54	WG1254917
Dichlorodifluoromethane	U		0.000998	0.00305	1	03/25/2019 17:54	WG1254917
1,1-Dichloroethane	U		0.000702	0.00305	1	03/25/2019 17:54	WG1254917
1,2-Dichloroethane	U		0.000580	0.00305	1	03/25/2019 17:54	WG1254917
1,1-Dichloroethene	U		0.000610	0.00305	1	03/25/2019 17:54	WG1254917
cis-1,2-Dichloroethene	U	J4	0.000842	0.00305	1	03/25/2019 17:54	WG1254917
trans-1,2-Dichloroethene	U		0.00175	0.00610	1	03/25/2019 17:54	WG1254917
1,2-Dichloropropane	U		0.00155	0.00610	1	03/25/2019 17:54	WG1254917
1,1-Dichloropropene	U		0.000854	0.00305	1	03/25/2019 17:54	WG1254917
1,3-Dichloropropane	U		0.00214	0.00610	1	03/25/2019 17:54	WG1254917
cis-1,3-Dichloropropene	U		0.000828	0.00305	1	03/25/2019 17:54	WG1254917
trans-1,3-Dichloropropene	U		0.00187	0.00610	1	03/25/2019 17:54	WG1254917
trans-1,4-Dichloro-2-butene	U		0.00171	0.00610	1	03/25/2019 17:54	WG1254917
2,2-Dichloropropane	U	J4	0.000968	0.00305	1	03/25/2019 17:54	WG1254917
Di-isopropyl ether	U		0.000427	0.00122	1	03/25/2019 17:54	WG1254917
Ethylbenzene	U		0.000647	0.00305	1	03/25/2019 17:54	WG1254917
Hexachloro-1,3-butadiene	U		0.0155	0.0305	1	03/25/2019 17:54	WG1254917
2-Hexanone	U		0.0122	0.0305	1	03/25/2019 17:54	WG1254917
n-Hexane	U		0.00129	0.00610	1	03/25/2019 17:54	WG1254917
Iodomethane	U		0.00738	0.0153	1	03/25/2019 17:54	WG1254917
Isopropylbenzene	0.00188	J	0.00105	0.00305	1	03/25/2019 17:54	WG1254917
p-Isopropyltoluene	U		0.00284	0.00610	1	03/25/2019 17:54	WG1254917
2-Butanone (MEK)	U		0.0153	0.0305	1	03/25/2019 17:54	WG1254917
Methylene Chloride	U		0.00810	0.0305	1	03/25/2019 17:54	WG1254917
4-Methyl-2-pentanone (MIBK)	U		0.0122	0.0305	1	03/25/2019 17:54	WG1254917

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000360	0.00122	1	03/25/2019 17:54	WG1254917
Naphthalene	0.0177		0.00381	0.0153	1	03/25/2019 17:54	WG1254917
n-Propylbenzene	0.00769		0.00144	0.00610	1	03/25/2019 17:54	WG1254917
Styrene	U		0.00333	0.0153	1	03/25/2019 17:54	WG1254917
1,1,1,2-Tetrachloroethane	U		0.000610	0.00305	1	03/25/2019 17:54	WG1254917
1,1,2,2-Tetrachloroethane	U		0.000476	0.00305	1	03/25/2019 17:54	WG1254917
1,1,2-Trichlorotrifluoroethane	U		0.000824	0.00305	1	03/25/2019 17:54	WG1254917
Tetrachloroethene	0.00179	J	0.000854	0.00305	1	03/25/2019 17:54	WG1254917
Toluene	0.00181	J	0.00153	0.00610	1	03/25/2019 17:54	WG1254917
1,2,3-Trichlorobenzene	U		0.000763	0.00305	1	03/25/2019 17:54	WG1254917
1,2,4-Trichlorobenzene	U		0.00588	0.0153	1	03/25/2019 17:54	WG1254917
1,1,1-Trichloroethane	U		0.000336	0.00305	1	03/25/2019 17:54	WG1254917
1,1,2-Trichloroethane	U		0.00108	0.00305	1	03/25/2019 17:54	WG1254917
Trichloroethene	U		0.000488	0.00122	1	03/25/2019 17:54	WG1254917
Trichlorofluoromethane	U		0.000610	0.00305	1	03/25/2019 17:54	WG1254917
1,2,3-Trichloropropane	U		0.00622	0.0153	1	03/25/2019 17:54	WG1254917
1,2,4-Trimethylbenzene	0.00197	J	0.00142	0.00610	1	03/25/2019 17:54	WG1254917
1,2,3-Trimethylbenzene	U		0.00140	0.00610	1	03/25/2019 17:54	WG1254917
1,3,5-Trimethylbenzene	U		0.00132	0.00610	1	03/25/2019 17:54	WG1254917
Vinyl acetate	U		0.00430	0.0153	1	03/25/2019 17:54	WG1254917
Vinyl chloride	U		0.000834	0.00305	1	03/25/2019 17:54	WG1254917
Xylenes, Total	U		0.00583	0.00793	1	03/25/2019 17:54	WG1254917
(S) Toluene-d8	*107*			*75.0-131*		*03/25/2019 17:54*	WG1254917
(S) Toluene-d8	*94.2*			*75.0-131*		*03/26/2019 18:48*	WG1255751
(S) 4-Bromofluorobenzene	*97.2*			*67.0-138*		*03/25/2019 17:54*	WG1254917
(S) 4-Bromofluorobenzene	*78.4*			*67.0-138*		*03/26/2019 18:48*	WG1255751
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*03/25/2019 17:54*	WG1254917
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*03/26/2019 18:48*	WG1255751

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.0		1	03/25/2019 10:41	WG1254492

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0162	0.0297	1.01	03/26/2019 19:08	WG1255751
Acrylonitrile	U		0.00226	0.0149	1.01	03/25/2019 18:14	WG1254917
Benzene	U		0.000475	0.00119	1.01	03/25/2019 18:14	WG1254917
Bromobenzene	U		0.00125	0.0149	1.01	03/25/2019 18:14	WG1254917
Bromodichloromethane	U		0.000937	0.00297	1.01	03/25/2019 18:14	WG1254917
Bromochloromethane	U	J4	0.00134	0.00594	1.01	03/25/2019 18:14	WG1254917
Bromoform	U		0.00711	0.0297	1.01	03/25/2019 18:14	WG1254917
Bromomethane	U		0.00440	0.0149	1.01	03/25/2019 18:14	WG1254917
n-Butylbenzene	U		0.00457	0.0149	1.01	03/25/2019 18:14	WG1254917
sec-Butylbenzene	U		0.00301	0.0149	1.01	03/25/2019 18:14	WG1254917
tert-Butylbenzene	U		0.00184	0.00594	1.01	03/25/2019 18:14	WG1254917
Carbon disulfide	U		0.00482	0.0149	1.01	03/25/2019 18:14	WG1254917
Carbon tetrachloride	U		0.00128	0.00594	1.01	03/25/2019 18:14	WG1254917
Chlorobenzene	U		0.000681	0.00297	1.01	03/25/2019 18:14	WG1254917
Chlorodibromomethane	U		0.000534	0.00297	1.01	03/25/2019 18:14	WG1254917
Chloroethane	U		0.00128	0.00594	1.01	03/25/2019 18:14	WG1254917
Chloroform	U		0.000493	0.00297	1.01	03/25/2019 18:14	WG1254917
Chloromethane	U		0.00165	0.0149	1.01	03/25/2019 18:14	WG1254917
2-Chlorotoluene	U		0.00109	0.00297	1.01	03/25/2019 18:14	WG1254917
4-Chlorotoluene	U		0.00134	0.00594	1.01	03/25/2019 18:14	WG1254917
1,2-Dibromo-3-Chloropropane	U		0.00606	0.0297	1.01	03/25/2019 18:14	WG1254917
1,2-Dibromoethane	U		0.000624	0.00297	1.01	03/25/2019 18:14	WG1254917
Dibromomethane	U		0.00119	0.00594	1.01	03/25/2019 18:14	WG1254917
1,2-Dichlorobenzene	U		0.00172	0.00594	1.01	03/25/2019 18:14	WG1254917
1,3-Dichlorobenzene	U		0.00202	0.00594	1.01	03/25/2019 18:14	WG1254917
1,4-Dichlorobenzene	U		0.00234	0.00594	1.01	03/25/2019 18:14	WG1254917
Dichlorodifluoromethane	U		0.000972	0.00297	1.01	03/25/2019 18:14	WG1254917
1,1-Dichloroethane	U		0.000684	0.00297	1.01	03/25/2019 18:14	WG1254917
1,2-Dichloroethane	U		0.000565	0.00297	1.01	03/25/2019 18:14	WG1254917
1,1-Dichloroethene	U		0.000594	0.00297	1.01	03/25/2019 18:14	WG1254917
cis-1,2-Dichloroethene	U	J4	0.000820	0.00297	1.01	03/25/2019 18:14	WG1254917
trans-1,2-Dichloroethene	U		0.00169	0.00594	1.01	03/25/2019 18:14	WG1254917
1,2-Dichloropropane	U		0.00151	0.00594	1.01	03/25/2019 18:14	WG1254917
1,1-Dichloropropene	U		0.000832	0.00297	1.01	03/25/2019 18:14	WG1254917
1,3-Dichloropropane	U		0.00208	0.00594	1.01	03/25/2019 18:14	WG1254917
cis-1,3-Dichloropropene	U		0.000806	0.00297	1.01	03/25/2019 18:14	WG1254917
trans-1,3-Dichloropropene	U		0.00181	0.00594	1.01	03/25/2019 18:14	WG1254917
trans-1,4-Dichloro-2-butene	U		0.00166	0.00594	1.01	03/25/2019 18:14	WG1254917
2,2-Dichloropropane	U	J4	0.000943	0.00297	1.01	03/25/2019 18:14	WG1254917
Di-isopropyl ether	U		0.000417	0.00119	1.01	03/25/2019 18:14	WG1254917
Ethylbenzene	U		0.000630	0.00297	1.01	03/25/2019 18:14	WG1254917
Hexachloro-1,3-butadiene	U		0.0151	0.0297	1.01	03/25/2019 18:14	WG1254917
2-Hexanone	U		0.0119	0.0297	1.01	03/25/2019 18:14	WG1254917
n-Hexane	U		0.00126	0.00594	1.01	03/25/2019 18:14	WG1254917
Iodomethane	U		0.00719	0.0149	1.01	03/25/2019 18:14	WG1254917
Isopropylbenzene	U		0.00103	0.00297	1.01	03/25/2019 18:14	WG1254917
p-Isopropyltoluene	U		0.00277	0.00594	1.01	03/25/2019 18:14	WG1254917
2-Butanone (MEK)	U		0.0148	0.0297	1.01	03/25/2019 18:14	WG1254917
Methylene Chloride	U		0.00790	0.0297	1.01	03/25/2019 18:14	WG1254917
4-Methyl-2-pentanone (MIBK)	U		0.0119	0.0297	1.01	03/25/2019 18:14	WG1254917

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000351	0.00119	1.01	03/25/2019 18:14	WG1254917
Naphthalene	0.00535	J	0.00371	0.0149	1.01	03/25/2019 18:14	WG1254917
n-Propylbenzene	0.00256	J	0.00140	0.00594	1.01	03/25/2019 18:14	WG1254917
Styrene	U		0.00325	0.0149	1.01	03/25/2019 18:14	WG1254917
1,1,1,2-Tetrachloroethane	U		0.000594	0.00297	1.01	03/25/2019 18:14	WG1254917
1,1,2,2-Tetrachloroethane	U		0.000464	0.00297	1.01	03/25/2019 18:14	WG1254917
1,1,2-Trichlorotrifluoroethane	U		0.000803	0.00297	1.01	03/25/2019 18:14	WG1254917
Tetrachloroethene	U		0.000832	0.00297	1.01	03/25/2019 18:14	WG1254917
Toluene	U		0.00148	0.00594	1.01	03/25/2019 18:14	WG1254917
1,2,3-Trichlorobenzene	U		0.000743	0.00297	1.01	03/25/2019 18:14	WG1254917
1,2,4-Trichlorobenzene	U		0.00573	0.0149	1.01	03/25/2019 18:14	WG1254917
1,1,1-Trichloroethane	U		0.000327	0.00297	1.01	03/25/2019 18:14	WG1254917
1,1,2-Trichloroethane	U		0.00105	0.00297	1.01	03/25/2019 18:14	WG1254917
Trichloroethene	U		0.000475	0.00119	1.01	03/25/2019 18:14	WG1254917
Trichlorofluoromethane	U		0.000594	0.00297	1.01	03/25/2019 18:14	WG1254917
1,2,3-Trichloropropane	U		0.00606	0.0149	1.01	03/25/2019 18:14	WG1254917
1,2,4-Trimethylbenzene	U		0.00138	0.00594	1.01	03/25/2019 18:14	WG1254917
1,2,3-Trimethylbenzene	U		0.00136	0.00594	1.01	03/25/2019 18:14	WG1254917
1,3,5-Trimethylbenzene	U		0.00128	0.00594	1.01	03/25/2019 18:14	WG1254917
Vinyl acetate	U		0.00419	0.0149	1.01	03/25/2019 18:14	WG1254917
Vinyl chloride	U		0.000812	0.00297	1.01	03/25/2019 18:14	WG1254917
Xylenes, Total	U		0.00568	0.00773	1.01	03/25/2019 18:14	WG1254917
(S) Toluene-d8	*107*			*75.0-131*		*03/25/2019 18:14*	WG1254917
(S) Toluene-d8	*94.5*			*75.0-131*		*03/26/2019 19:08*	WG1255751
(S) 4-Bromofluorobenzene	*92.2*			*67.0-138*		*03/25/2019 18:14*	WG1254917
(S) 4-Bromofluorobenzene	*79.6*			*67.0-138*		*03/26/2019 19:08*	WG1255751
(S) 1,2-Dichloroethane-d4	*96.1*			*70.0-130*		*03/25/2019 18:14*	WG1254917
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*03/26/2019 19:08*	WG1255751

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.3		1	03/25/2019 10:41	WG1254492

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0155	0.0283	1	03/26/2019 19:28	WG1255751
Acrylonitrile	U		0.00215	0.0142	1	03/25/2019 18:32	WG1254917
Benzene	U		0.000453	0.00113	1	03/25/2019 18:32	WG1254917
Bromobenzene	U		0.00119	0.0142	1	03/25/2019 18:32	WG1254917
Bromodichloromethane	U		0.000893	0.00283	1	03/25/2019 18:32	WG1254917
Bromochloromethane	U	J4	0.00128	0.00566	1	03/25/2019 18:32	WG1254917
Bromoform	U		0.00677	0.0283	1	03/25/2019 18:32	WG1254917
Bromomethane	U		0.00419	0.0142	1	03/25/2019 18:32	WG1254917
n-Butylbenzene	U		0.00435	0.0142	1	03/25/2019 18:32	WG1254917
sec-Butylbenzene	U		0.00287	0.0142	1	03/25/2019 18:32	WG1254917
tert-Butylbenzene	U		0.00176	0.00566	1	03/25/2019 18:32	WG1254917
Carbon disulfide	U		0.00460	0.0142	1	03/25/2019 18:32	WG1254917
Carbon tetrachloride	U		0.00122	0.00566	1	03/25/2019 18:32	WG1254917
Chlorobenzene	U		0.000649	0.00283	1	03/25/2019 18:32	WG1254917
Chlorodibromomethane	U		0.000510	0.00283	1	03/25/2019 18:32	WG1254917
Chloroethane	U		0.00122	0.00566	1	03/25/2019 18:32	WG1254917
Chloroform	U		0.000470	0.00283	1	03/25/2019 18:32	WG1254917
Chloromethane	U		0.00157	0.0142	1	03/25/2019 18:32	WG1254917
2-Chlorotoluene	U		0.00104	0.00283	1	03/25/2019 18:32	WG1254917
4-Chlorotoluene	U		0.00128	0.00566	1	03/25/2019 18:32	WG1254917
1,2-Dibromo-3-Chloropropane	U		0.00578	0.0283	1	03/25/2019 18:32	WG1254917
1,2-Dibromoethane	U		0.000595	0.00283	1	03/25/2019 18:32	WG1254917
Dibromomethane	U		0.00113	0.00566	1	03/25/2019 18:32	WG1254917
1,2-Dichlorobenzene	U		0.00164	0.00566	1	03/25/2019 18:32	WG1254917
1,3-Dichlorobenzene	U		0.00193	0.00566	1	03/25/2019 18:32	WG1254917
1,4-Dichlorobenzene	U		0.00223	0.00566	1	03/25/2019 18:32	WG1254917
Dichlorodifluoromethane	U		0.000926	0.00283	1	03/25/2019 18:32	WG1254917
1,1-Dichloroethane	U		0.000651	0.00283	1	03/25/2019 18:32	WG1254917
1,2-Dichloroethane	U		0.000538	0.00283	1	03/25/2019 18:32	WG1254917
1,1-Dichloroethene	U		0.000566	0.00283	1	03/25/2019 18:32	WG1254917
cis-1,2-Dichloroethene	U	J4	0.000782	0.00283	1	03/25/2019 18:32	WG1254917
trans-1,2-Dichloroethene	U		0.00162	0.00566	1	03/25/2019 18:32	WG1254917
1,2-Dichloropropane	U		0.00144	0.00566	1	03/25/2019 18:32	WG1254917
1,1-Dichloropropene	U		0.000793	0.00283	1	03/25/2019 18:32	WG1254917
1,3-Dichloropropane	U		0.00198	0.00566	1	03/25/2019 18:32	WG1254917
cis-1,3-Dichloropropene	U		0.000768	0.00283	1	03/25/2019 18:32	WG1254917
trans-1,3-Dichloropropene	U		0.00173	0.00566	1	03/25/2019 18:32	WG1254917
trans-1,4-Dichloro-2-butene	U		0.00159	0.00566	1	03/25/2019 18:32	WG1254917
2,2-Dichloropropane	U	J4	0.000898	0.00283	1	03/25/2019 18:32	WG1254917
Di-isopropyl ether	U		0.000396	0.00113	1	03/25/2019 18:32	WG1254917
Ethylbenzene	U		0.000600	0.00283	1	03/25/2019 18:32	WG1254917
Hexachloro-1,3-butadiene	U		0.0144	0.0283	1	03/25/2019 18:32	WG1254917
2-Hexanone	U		0.0113	0.0283	1	03/25/2019 18:32	WG1254917
n-Hexane	U		0.00120	0.00566	1	03/25/2019 18:32	WG1254917
Iodomethane	U		0.00685	0.0142	1	03/25/2019 18:32	WG1254917
Isopropylbenzene	U		0.000977	0.00283	1	03/25/2019 18:32	WG1254917
p-Isopropyltoluene	U		0.00264	0.00566	1	03/25/2019 18:32	WG1254917
2-Butanone (MEK)	U		0.0142	0.0283	1	03/25/2019 18:32	WG1254917
Methylene Chloride	U		0.00752	0.0283	1	03/25/2019 18:32	WG1254917
4-Methyl-2-pentanone (MIBK)	U		0.0113	0.0283	1	03/25/2019 18:32	WG1254917

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000334	0.00113	1	03/25/2019 18:32	WG1254917
Naphthalene	U		0.00353	0.0142	1	03/25/2019 18:32	WG1254917
n-Propylbenzene	U		0.00134	0.00566	1	03/25/2019 18:32	WG1254917
Styrene	U		0.00309	0.0142	1	03/25/2019 18:32	WG1254917
1,1,1,2-Tetrachloroethane	U		0.000566	0.00283	1	03/25/2019 18:32	WG1254917
1,1,2,2-Tetrachloroethane	U		0.000442	0.00283	1	03/25/2019 18:32	WG1254917
1,1,2-Trichlorotrifluoroethane	U		0.000765	0.00283	1	03/25/2019 18:32	WG1254917
Tetrachloroethene	U		0.000793	0.00283	1	03/25/2019 18:32	WG1254917
Toluene	U		0.00142	0.00566	1	03/25/2019 18:32	WG1254917
1,2,3-Trichlorobenzene	U		0.000708	0.00283	1	03/25/2019 18:32	WG1254917
1,2,4-Trichlorobenzene	U		0.00546	0.0142	1	03/25/2019 18:32	WG1254917
1,1,1-Trichloroethane	U		0.000311	0.00283	1	03/25/2019 18:32	WG1254917
1,1,2-Trichloroethane	U		0.00100	0.00283	1	03/25/2019 18:32	WG1254917
Trichloroethene	U		0.000453	0.00113	1	03/25/2019 18:32	WG1254917
Trichlorofluoromethane	U		0.000566	0.00283	1	03/25/2019 18:32	WG1254917
1,2,3-Trichloropropane	U		0.00578	0.0142	1	03/25/2019 18:32	WG1254917
1,2,4-Trimethylbenzene	0.00140	J	0.00131	0.00566	1	03/25/2019 18:32	WG1254917
1,2,3-Trimethylbenzene	U		0.00130	0.00566	1	03/25/2019 18:32	WG1254917
1,3,5-Trimethylbenzene	U		0.00122	0.00566	1	03/25/2019 18:32	WG1254917
Vinyl acetate	U		0.00399	0.0142	1	03/25/2019 18:32	WG1254917
Vinyl chloride	U		0.000774	0.00283	1	03/25/2019 18:32	WG1254917
Xylenes, Total	U		0.00541	0.00736	1	03/25/2019 18:32	WG1254917
(S) Toluene-d8	*109*			*75.0-131*		*03/25/2019 18:32*	WG1254917
(S) Toluene-d8	*95.5*			*75.0-131*		*03/26/2019 19:28*	WG1255751
(S) 4-Bromofluorobenzene	*96.0*			*67.0-138*		*03/25/2019 18:32*	WG1254917
(S) 4-Bromofluorobenzene	*76.3*			*67.0-138*		*03/26/2019 19:28*	WG1255751
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*03/25/2019 18:32*	WG1254917
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*03/26/2019 19:28*	WG1255751

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.3		1	03/25/2019 10:41	WG1254492

Volatile Organic Compounds (GC/MS) 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	0.0166	0.0304	1	03/26/2019 19:48	WG1255751
Acrylonitrile	U		0.00231	0.0152	1	03/25/2019 18:51	WG1254917
Benzene	U		0.000486	0.00121	1	03/25/2019 18:51	WG1254917
Bromobenzene	U		0.00128	0.0152	1	03/25/2019 18:51	WG1254917
Bromodichloromethane	U		0.000957	0.00304	1	03/25/2019 18:51	WG1254917
Bromochloromethane	U	J4	0.00137	0.00607	1	03/25/2019 18:51	WG1254917
Bromoform	U		0.00726	0.0304	1	03/25/2019 18:51	WG1254917
Bromomethane	U		0.00449	0.0152	1	03/25/2019 18:51	WG1254917
n-Butylbenzene	U		0.00466	0.0152	1	03/25/2019 18:51	WG1254917
sec-Butylbenzene	U		0.00307	0.0152	1	03/25/2019 18:51	WG1254917
tert-Butylbenzene	U		0.00188	0.00607	1	03/25/2019 18:51	WG1254917
Carbon disulfide	U		0.00493	0.0152	1	03/25/2019 18:51	WG1254917
Carbon tetrachloride	U		0.00131	0.00607	1	03/25/2019 18:51	WG1254917
Chlorobenzene	U		0.000696	0.00304	1	03/25/2019 18:51	WG1254917
Chlorodibromomethane	U		0.000546	0.00304	1	03/25/2019 18:51	WG1254917
Chloroethane	U		0.00131	0.00607	1	03/25/2019 18:51	WG1254917
Chloroform	U		0.000504	0.00304	1	03/25/2019 18:51	WG1254917
Chloromethane	U		0.00169	0.0152	1	03/25/2019 18:51	WG1254917
2-Chlorotoluene	U		0.00112	0.00304	1	03/25/2019 18:51	WG1254917
4-Chlorotoluene	U		0.00137	0.00607	1	03/25/2019 18:51	WG1254917
1,2-Dibromo-3-Chloropropane	U		0.00619	0.0304	1	03/25/2019 18:51	WG1254917
1,2-Dibromoethane	U		0.000638	0.00304	1	03/25/2019 18:51	WG1254917
Dibromomethane	U		0.00121	0.00607	1	03/25/2019 18:51	WG1254917
1,2-Dichlorobenzene	U		0.00176	0.00607	1	03/25/2019 18:51	WG1254917
1,3-Dichlorobenzene	U		0.00206	0.00607	1	03/25/2019 18:51	WG1254917
1,4-Dichlorobenzene	U		0.00239	0.00607	1	03/25/2019 18:51	WG1254917
Dichlorodifluoromethane	U		0.000993	0.00304	1	03/25/2019 18:51	WG1254917
1,1-Dichloroethane	U		0.000698	0.00304	1	03/25/2019 18:51	WG1254917
1,2-Dichloroethane	U		0.000577	0.00304	1	03/25/2019 18:51	WG1254917
1,1-Dichloroethene	U		0.000607	0.00304	1	03/25/2019 18:51	WG1254917
cis-1,2-Dichloroethene	U	J4	0.000838	0.00304	1	03/25/2019 18:51	WG1254917
trans-1,2-Dichloroethene	U		0.00174	0.00607	1	03/25/2019 18:51	WG1254917
1,2-Dichloropropane	U		0.00154	0.00607	1	03/25/2019 18:51	WG1254917
1,1-Dichloropropene	U		0.000850	0.00304	1	03/25/2019 18:51	WG1254917
1,3-Dichloropropane	U		0.00213	0.00607	1	03/25/2019 18:51	WG1254917
cis-1,3-Dichloropropene	U		0.000823	0.00304	1	03/25/2019 18:51	WG1254917
trans-1,3-Dichloropropene	U		0.00186	0.00607	1	03/25/2019 18:51	WG1254917
trans-1,4-Dichloro-2-butene	U		0.00170	0.00607	1	03/25/2019 18:51	WG1254917
2,2-Dichloropropane	U	J4	0.000963	0.00304	1	03/25/2019 18:51	WG1254917
Di-isopropyl ether	U		0.000425	0.00121	1	03/25/2019 18:51	WG1254917
Ethylbenzene	U		0.000644	0.00304	1	03/25/2019 18:51	WG1254917
Hexachloro-1,3-butadiene	U		0.0154	0.0304	1	03/25/2019 18:51	WG1254917
2-Hexanone	U		0.0121	0.0304	1	03/25/2019 18:51	WG1254917
n-Hexane	U		0.00129	0.00607	1	03/25/2019 18:51	WG1254917
Iodomethane	U		0.00735	0.0152	1	03/25/2019 18:51	WG1254917
Isopropylbenzene	U		0.00105	0.00304	1	03/25/2019 18:51	WG1254917
p-Isopropyltoluene	U		0.00283	0.00607	1	03/25/2019 18:51	WG1254917
2-Butanone (MEK)	U		0.0152	0.0304	1	03/25/2019 18:51	WG1254917
Methylene Chloride	U		0.00806	0.0304	1	03/25/2019 18:51	WG1254917
4-Methyl-2-pentanone (MIBK)	U		0.0121	0.0304	1	03/25/2019 18:51	WG1254917

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000358	0.00121	1	03/25/2019 18:51	WG1254917
Naphthalene	U		0.00379	0.0152	1	03/25/2019 18:51	WG1254917
n-Propylbenzene	U		0.00143	0.00607	1	03/25/2019 18:51	WG1254917
Styrene	U		0.00332	0.0152	1	03/25/2019 18:51	WG1254917
1,1,1,2-Tetrachloroethane	U		0.000607	0.00304	1	03/25/2019 18:51	WG1254917
1,1,2,2-Tetrachloroethane	U		0.000474	0.00304	1	03/25/2019 18:51	WG1254917
1,1,2-Trichlorotrifluoroethane	U		0.000820	0.00304	1	03/25/2019 18:51	WG1254917
Tetrachloroethene	U		0.000850	0.00304	1	03/25/2019 18:51	WG1254917
Toluene	U		0.00152	0.00607	1	03/25/2019 18:51	WG1254917
1,2,3-Trichlorobenzene	U		0.000759	0.00304	1	03/25/2019 18:51	WG1254917
1,2,4-Trichlorobenzene	U		0.00585	0.0152	1	03/25/2019 18:51	WG1254917
1,1,1-Trichloroethane	U		0.000334	0.00304	1	03/25/2019 18:51	WG1254917
1,1,2-Trichloroethane	U		0.00107	0.00304	1	03/25/2019 18:51	WG1254917
Trichloroethene	U		0.000486	0.00121	1	03/25/2019 18:51	WG1254917
Trichlorofluoromethane	U		0.000607	0.00304	1	03/25/2019 18:51	WG1254917
1,2,3-Trichloropropane	U		0.00619	0.0152	1	03/25/2019 18:51	WG1254917
1,2,4-Trimethylbenzene	U		0.00141	0.00607	1	03/25/2019 18:51	WG1254917
1,2,3-Trimethylbenzene	U		0.00140	0.00607	1	03/25/2019 18:51	WG1254917
1,3,5-Trimethylbenzene	U		0.00131	0.00607	1	03/25/2019 18:51	WG1254917
Vinyl acetate	U		0.00427	0.0152	1	03/25/2019 18:51	WG1254917
Vinyl chloride	U		0.000829	0.00304	1	03/25/2019 18:51	WG1254917
Xylenes, Total	U		0.00580	0.00789	1	03/25/2019 18:51	WG1254917
(S) Toluene-d8	*109*			*75.0-131*		*03/25/2019 18:51*	WG1254917
(S) Toluene-d8	*93.5*			*75.0-131*		*03/26/2019 19:48*	WG1255751
(S) 4-Bromofluorobenzene	*92.7*			*67.0-138*		*03/25/2019 18:51*	WG1254917
(S) 4-Bromofluorobenzene	*78.6*			*67.0-138*		*03/26/2019 19:48*	WG1255751
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*03/25/2019 18:51*	WG1254917
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*03/26/2019 19:48*	WG1255751

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.0		1	03/25/2019 11:12	WG1254494

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0242	J	0.0171	0.0312	1.06	03/26/2019 20:08	WG1255751
Acrylonitrile	U		0.00239	0.0157	1.07	03/25/2019 19:10	WG1254917
Benzene	U		0.000504	0.00126	1.07	03/25/2019 19:10	WG1254917
Bromobenzene	U		0.00132	0.0157	1.07	03/25/2019 19:10	WG1254917
Bromodichloromethane	U		0.000992	0.00315	1.07	03/25/2019 19:10	WG1254917
Bromochloromethane	U	J4	0.00142	0.00630	1.07	03/25/2019 19:10	WG1254917
Bromoform	U		0.00753	0.0315	1.07	03/25/2019 19:10	WG1254917
Bromomethane	U		0.00466	0.0157	1.07	03/25/2019 19:10	WG1254917
n-Butylbenzene	U		0.00484	0.0157	1.07	03/25/2019 19:10	WG1254917
sec-Butylbenzene	U		0.00319	0.0157	1.07	03/25/2019 19:10	WG1254917
tert-Butylbenzene	U		0.00195	0.00630	1.07	03/25/2019 19:10	WG1254917
Carbon disulfide	U		0.00511	0.0157	1.07	03/25/2019 19:10	WG1254917
Carbon tetrachloride	U		0.00136	0.00630	1.07	03/25/2019 19:10	WG1254917
Chlorobenzene	U		0.000721	0.00315	1.07	03/25/2019 19:10	WG1254917
Chlorodibromomethane	U		0.000567	0.00315	1.07	03/25/2019 19:10	WG1254917
Chloroethane	U		0.00136	0.00630	1.07	03/25/2019 19:10	WG1254917
Chloroform	U		0.000522	0.00315	1.07	03/25/2019 19:10	WG1254917
Chloromethane	U		0.00175	0.0157	1.07	03/25/2019 19:10	WG1254917
2-Chlorotoluene	U		0.00116	0.00315	1.07	03/25/2019 19:10	WG1254917
4-Chlorotoluene	U		0.00142	0.00630	1.07	03/25/2019 19:10	WG1254917
1,2-Dibromo-3-Chloropropane	U		0.00642	0.0315	1.07	03/25/2019 19:10	WG1254917
1,2-Dibromoethane	U		0.000661	0.00315	1.07	03/25/2019 19:10	WG1254917
Dibromomethane	U		0.00126	0.00630	1.07	03/25/2019 19:10	WG1254917
1,2-Dichlorobenzene	U		0.00182	0.00630	1.07	03/25/2019 19:10	WG1254917
1,3-Dichlorobenzene	U		0.00214	0.00630	1.07	03/25/2019 19:10	WG1254917
1,4-Dichlorobenzene	U		0.00248	0.00630	1.07	03/25/2019 19:10	WG1254917
Dichlorodifluoromethane	U		0.00103	0.00315	1.07	03/25/2019 19:10	WG1254917
1,1-Dichloroethane	U		0.000724	0.00315	1.07	03/25/2019 19:10	WG1254917
1,2-Dichloroethane	U		0.000598	0.00315	1.07	03/25/2019 19:10	WG1254917
1,1-Dichloroethene	U		0.000630	0.00315	1.07	03/25/2019 19:10	WG1254917
cis-1,2-Dichloroethene	U	J4	0.000868	0.00315	1.07	03/25/2019 19:10	WG1254917
trans-1,2-Dichloroethene	U		0.00180	0.00630	1.07	03/25/2019 19:10	WG1254917
1,2-Dichloropropane	U		0.00160	0.00630	1.07	03/25/2019 19:10	WG1254917
1,1-Dichloropropene	U		0.000881	0.00315	1.07	03/25/2019 19:10	WG1254917
1,3-Dichloropropane	U		0.00220	0.00630	1.07	03/25/2019 19:10	WG1254917
cis-1,3-Dichloropropene	U		0.000853	0.00315	1.07	03/25/2019 19:10	WG1254917
trans-1,3-Dichloropropene	U		0.00193	0.00630	1.07	03/25/2019 19:10	WG1254917
trans-1,4-Dichloro-2-butene	U		0.00177	0.00630	1.07	03/25/2019 19:10	WG1254917
2,2-Dichloropropane	U	J4	0.000998	0.00315	1.07	03/25/2019 19:10	WG1254917
Di-isopropyl ether	U		0.000440	0.00126	1.07	03/25/2019 19:10	WG1254917
Ethylbenzene	U		0.000667	0.00315	1.07	03/25/2019 19:10	WG1254917
Hexachloro-1,3-butadiene	U		0.0160	0.0315	1.07	03/25/2019 19:10	WG1254917
2-Hexanone	U		0.0126	0.0315	1.07	03/25/2019 19:10	WG1254917
n-Hexane	0.0160		0.00133	0.00630	1.07	03/25/2019 19:10	WG1254917
Iodomethane	U		0.00761	0.0157	1.07	03/25/2019 19:10	WG1254917
Isopropylbenzene	U		0.00109	0.00315	1.07	03/25/2019 19:10	WG1254917
p-Isopropyltoluene	U		0.00293	0.00630	1.07	03/25/2019 19:10	WG1254917
2-Butanone (MEK)	U		0.0158	0.0315	1.07	03/25/2019 19:10	WG1254917
Methylene Chloride	U		0.00835	0.0315	1.07	03/25/2019 19:10	WG1254917
4-Methyl-2-pentanone (MIBK)	U		0.0126	0.0315	1.07	03/25/2019 19:10	WG1254917

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000372	0.00126	1.07	03/25/2019 19:10	WG1254917
Naphthalene	U		0.00393	0.0157	1.07	03/25/2019 19:10	WG1254917
n-Propylbenzene	U		0.00148	0.00630	1.07	03/25/2019 19:10	WG1254917
Styrene	U		0.00344	0.0157	1.07	03/25/2019 19:10	WG1254917
1,1,1,2-Tetrachloroethane	U		0.000630	0.00315	1.07	03/25/2019 19:10	WG1254917
1,1,2,2-Tetrachloroethane	U		0.000491	0.00315	1.07	03/25/2019 19:10	WG1254917
1,1,2-Trichlorotrifluoroethane	U		0.000850	0.00315	1.07	03/25/2019 19:10	WG1254917
Tetrachloroethene	U		0.000881	0.00315	1.07	03/25/2019 19:10	WG1254917
Toluene	0.00213	J	0.00158	0.00630	1.07	03/25/2019 19:10	WG1254917
1,2,3-Trichlorobenzene	U		0.000787	0.00315	1.07	03/25/2019 19:10	WG1254917
1,2,4-Trichlorobenzene	U		0.00607	0.0157	1.07	03/25/2019 19:10	WG1254917
1,1,1-Trichloroethane	U		0.000346	0.00315	1.07	03/25/2019 19:10	WG1254917
1,1,2-Trichloroethane	U		0.00111	0.00315	1.07	03/25/2019 19:10	WG1254917
Trichloroethene	U		0.000504	0.00126	1.07	03/25/2019 19:10	WG1254917
Trichlorofluoromethane	U		0.000630	0.00315	1.07	03/25/2019 19:10	WG1254917
1,2,3-Trichloropropane	U		0.00642	0.0157	1.07	03/25/2019 19:10	WG1254917
1,2,4-Trimethylbenzene	U		0.00146	0.00630	1.07	03/25/2019 19:10	WG1254917
1,2,3-Trimethylbenzene	U		0.00145	0.00630	1.07	03/25/2019 19:10	WG1254917
1,3,5-Trimethylbenzene	U		0.00136	0.00630	1.07	03/25/2019 19:10	WG1254917
Vinyl acetate	U		0.00444	0.0157	1.07	03/25/2019 19:10	WG1254917
Vinyl chloride	U		0.000860	0.00315	1.07	03/25/2019 19:10	WG1254917
Xylenes, Total	U		0.00601	0.00818	1.07	03/25/2019 19:10	WG1254917
(S) Toluene-d8	*108*			*75.0-131*		*03/25/2019 19:10*	WG1254917
(S) Toluene-d8	*92.8*			*75.0-131*		*03/26/2019 20:08*	WG1255751
(S) 4-Bromofluorobenzene	*95.4*			*67.0-138*		*03/25/2019 19:10*	WG1254917
(S) 4-Bromofluorobenzene	*79.7*			*67.0-138*		*03/26/2019 20:08*	WG1255751
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*03/25/2019 19:10*	WG1254917
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*03/26/2019 20:08*	WG1255751

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.4		1	03/25/2019 11:12	WG1254494

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0164	0.0300	1	03/26/2019 20:27	WG1255751
Acrylonitrile	U		0.00228	0.0150	1	03/25/2019 19:29	WG1254917
Benzene	U		0.000479	0.00120	1	03/25/2019 19:29	WG1254917
Bromobenzene	U		0.00126	0.0150	1	03/25/2019 19:29	WG1254917
Bromodichloromethane	U		0.000945	0.00300	1	03/25/2019 19:29	WG1254917
Bromochloromethane	U	J4	0.00135	0.00599	1	03/25/2019 19:29	WG1254917
Bromoform	U		0.00717	0.0300	1	03/25/2019 19:29	WG1254917
Bromomethane	U		0.00444	0.0150	1	03/25/2019 19:29	WG1254917
n-Butylbenzene	U		0.00460	0.0150	1	03/25/2019 19:29	WG1254917
sec-Butylbenzene	U		0.00303	0.0150	1	03/25/2019 19:29	WG1254917
tert-Butylbenzene	U		0.00186	0.00599	1	03/25/2019 19:29	WG1254917
Carbon disulfide	U		0.00487	0.0150	1	03/25/2019 19:29	WG1254917
Carbon tetrachloride	U		0.00129	0.00599	1	03/25/2019 19:29	WG1254917
Chlorobenzene	U		0.000687	0.00300	1	03/25/2019 19:29	WG1254917
Chlorodibromomethane	U		0.000539	0.00300	1	03/25/2019 19:29	WG1254917
Chloroethane	U		0.00129	0.00599	1	03/25/2019 19:29	WG1254917
Chloroform	U		0.000497	0.00300	1	03/25/2019 19:29	WG1254917
Chloromethane	U		0.00167	0.0150	1	03/25/2019 19:29	WG1254917
2-Chlorotoluene	U		0.00110	0.00300	1	03/25/2019 19:29	WG1254917
4-Chlorotoluene	U		0.00135	0.00599	1	03/25/2019 19:29	WG1254917
1,2-Dibromo-3-Chloropropane	U		0.00611	0.0300	1	03/25/2019 19:29	WG1254917
1,2-Dibromoethane	U		0.000629	0.00300	1	03/25/2019 19:29	WG1254917
Dibromomethane	U		0.00120	0.00599	1	03/25/2019 19:29	WG1254917
1,2-Dichlorobenzene	U		0.00174	0.00599	1	03/25/2019 19:29	WG1254917
1,3-Dichlorobenzene	U		0.00204	0.00599	1	03/25/2019 19:29	WG1254917
1,4-Dichlorobenzene	U		0.00236	0.00599	1	03/25/2019 19:29	WG1254917
Dichlorodifluoromethane	U		0.000981	0.00300	1	03/25/2019 19:29	WG1254917
1,1-Dichloroethane	U		0.000689	0.00300	1	03/25/2019 19:29	WG1254917
1,2-Dichloroethane	U		0.000569	0.00300	1	03/25/2019 19:29	WG1254917
1,1-Dichloroethene	U		0.000599	0.00300	1	03/25/2019 19:29	WG1254917
cis-1,2-Dichloroethene	U	J4	0.000827	0.00300	1	03/25/2019 19:29	WG1254917
trans-1,2-Dichloroethene	U		0.00171	0.00599	1	03/25/2019 19:29	WG1254917
1,2-Dichloropropane	U		0.00152	0.00599	1	03/25/2019 19:29	WG1254917
1,1-Dichloropropene	U		0.000839	0.00300	1	03/25/2019 19:29	WG1254917
1,3-Dichloropropane	U		0.00210	0.00599	1	03/25/2019 19:29	WG1254917
cis-1,3-Dichloropropene	U		0.000813	0.00300	1	03/25/2019 19:29	WG1254917
trans-1,3-Dichloropropene	U		0.00183	0.00599	1	03/25/2019 19:29	WG1254917
trans-1,4-Dichloro-2-butene	U		0.00168	0.00599	1	03/25/2019 19:29	WG1254917
2,2-Dichloropropane	U	J4	0.000951	0.00300	1	03/25/2019 19:29	WG1254917
Di-isopropyl ether	U		0.000420	0.00120	1	03/25/2019 19:29	WG1254917
Ethylbenzene	U		0.000635	0.00300	1	03/25/2019 19:29	WG1254917
Hexachloro-1,3-butadiene	U		0.0152	0.0300	1	03/25/2019 19:29	WG1254917
2-Hexanone	U		0.0120	0.0300	1	03/25/2019 19:29	WG1254917
n-Hexane	U		0.00127	0.00599	1	03/25/2019 19:29	WG1254917
Iodomethane	U		0.00725	0.0150	1	03/25/2019 19:29	WG1254917
Isopropylbenzene	U		0.00103	0.00300	1	03/25/2019 19:29	WG1254917
p-Isopropyltoluene	U		0.00279	0.00599	1	03/25/2019 19:29	WG1254917
2-Butanone (MEK)	U		0.0150	0.0300	1	03/25/2019 19:29	WG1254917
Methylene Chloride	U		0.00796	0.0300	1	03/25/2019 19:29	WG1254917
4-Methyl-2-pentanone (MIBK)	U		0.0120	0.0300	1	03/25/2019 19:29	WG1254917

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000354	0.00120	1	03/25/2019 19:29	WG1254917
Naphthalene	U		0.00374	0.0150	1	03/25/2019 19:29	WG1254917
n-Propylbenzene	U		0.00141	0.00599	1	03/25/2019 19:29	WG1254917
Styrene	U		0.00327	0.0150	1	03/25/2019 19:29	WG1254917
1,1,1,2-Tetrachloroethane	U		0.000599	0.00300	1	03/25/2019 19:29	WG1254917
1,1,2,2-Tetrachloroethane	U		0.000468	0.00300	1	03/25/2019 19:29	WG1254917
1,1,2-Trichlorotrifluoroethane	U		0.000809	0.00300	1	03/25/2019 19:29	WG1254917
Tetrachloroethene	U		0.000839	0.00300	1	03/25/2019 19:29	WG1254917
Toluene	U		0.00150	0.00599	1	03/25/2019 19:29	WG1254917
1,2,3-Trichlorobenzene	U		0.000749	0.00300	1	03/25/2019 19:29	WG1254917
1,2,4-Trichlorobenzene	U		0.00578	0.0150	1	03/25/2019 19:29	WG1254917
1,1,1-Trichloroethane	U		0.000330	0.00300	1	03/25/2019 19:29	WG1254917
1,1,2-Trichloroethane	U		0.00106	0.00300	1	03/25/2019 19:29	WG1254917
Trichloroethene	U		0.000479	0.00120	1	03/25/2019 19:29	WG1254917
Trichlorofluoromethane	U		0.000599	0.00300	1	03/25/2019 19:29	WG1254917
1,2,3-Trichloropropane	U		0.00611	0.0150	1	03/25/2019 19:29	WG1254917
1,2,4-Trimethylbenzene	U		0.00139	0.00599	1	03/25/2019 19:29	WG1254917
1,2,3-Trimethylbenzene	U		0.00138	0.00599	1	03/25/2019 19:29	WG1254917
1,3,5-Trimethylbenzene	U		0.00129	0.00599	1	03/25/2019 19:29	WG1254917
Vinyl acetate	U		0.00422	0.0150	1	03/25/2019 19:29	WG1254917
Vinyl chloride	U		0.000819	0.00300	1	03/25/2019 19:29	WG1254917
Xylenes, Total	U		0.00573	0.00779	1	03/25/2019 19:29	WG1254917
(S) Toluene-d8	*105*			*75.0-131*		*03/25/2019 19:29*	WG1254917
(S) Toluene-d8	*94.4*			*75.0-131*		*03/26/2019 20:27*	WG1255751
(S) 4-Bromofluorobenzene	*95.1*			*67.0-138*		*03/25/2019 19:29*	WG1254917
(S) 4-Bromofluorobenzene	*79.3*			*67.0-138*		*03/26/2019 20:27*	WG1255751
(S) 1,2-Dichloroethane-d4	*99.5*			*70.0-130*		*03/25/2019 19:29*	WG1254917
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*03/26/2019 20:27*	WG1255751

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.9		1	03/25/2019 11:12	WG1254494

Volatile Organic Compounds (GC/MS) 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	0.0166	0.0304	1.01	03/26/2019 20:47	WG1255751
Acrylonitrile	U		0.00231	0.0152	1.01	03/25/2019 19:49	WG1254917
Benzene	U		0.000487	0.00122	1.01	03/25/2019 19:49	WG1254917
Bromobenzene	U		0.00128	0.0152	1.01	03/25/2019 19:49	WG1254917
Bromodichloromethane	U		0.000960	0.00304	1.01	03/25/2019 19:49	WG1254917
Bromochloromethane	U	J4	0.00137	0.00609	1.01	03/25/2019 19:49	WG1254917
Bromoform	U		0.00728	0.0304	1.01	03/25/2019 19:49	WG1254917
Bromomethane	U		0.00451	0.0152	1.01	03/25/2019 19:49	WG1254917
n-Butylbenzene	U		0.00468	0.0152	1.01	03/25/2019 19:49	WG1254917
sec-Butylbenzene	U		0.00309	0.0152	1.01	03/25/2019 19:49	WG1254917
tert-Butylbenzene	U		0.00188	0.00609	1.01	03/25/2019 19:49	WG1254917
Carbon disulfide	U		0.00494	0.0152	1.01	03/25/2019 19:49	WG1254917
Carbon tetrachloride	U		0.00131	0.00609	1.01	03/25/2019 19:49	WG1254917
Chlorobenzene	U		0.000698	0.00304	1.01	03/25/2019 19:49	WG1254917
Chlorodibromomethane	U		0.000547	0.00304	1.01	03/25/2019 19:49	WG1254917
Chloroethane	U		0.00131	0.00609	1.01	03/25/2019 19:49	WG1254917
Chloroform	U		0.000505	0.00304	1.01	03/25/2019 19:49	WG1254917
Chloromethane	U		0.00169	0.0152	1.01	03/25/2019 19:49	WG1254917
2-Chlorotoluene	U		0.00112	0.00304	1.01	03/25/2019 19:49	WG1254917
4-Chlorotoluene	U		0.00137	0.00609	1.01	03/25/2019 19:49	WG1254917
1,2-Dibromo-3-Chloropropane	U		0.00621	0.0304	1.01	03/25/2019 19:49	WG1254917
1,2-Dibromoethane	U		0.000639	0.00304	1.01	03/25/2019 19:49	WG1254917
Dibromomethane	U		0.00122	0.00609	1.01	03/25/2019 19:49	WG1254917
1,2-Dichlorobenzene	U		0.00176	0.00609	1.01	03/25/2019 19:49	WG1254917
1,3-Dichlorobenzene	U		0.00207	0.00609	1.01	03/25/2019 19:49	WG1254917
1,4-Dichlorobenzene	U		0.00240	0.00609	1.01	03/25/2019 19:49	WG1254917
Dichlorodifluoromethane	U		0.000996	0.00304	1.01	03/25/2019 19:49	WG1254917
1,1-Dichloroethane	U		0.000700	0.00304	1.01	03/25/2019 19:49	WG1254917
1,2-Dichloroethane	U		0.000579	0.00304	1.01	03/25/2019 19:49	WG1254917
1,1-Dichloroethene	U		0.000609	0.00304	1.01	03/25/2019 19:49	WG1254917
cis-1,2-Dichloroethene	U	J4	0.000840	0.00304	1.01	03/25/2019 19:49	WG1254917
trans-1,2-Dichloroethene	U		0.00174	0.00609	1.01	03/25/2019 19:49	WG1254917
1,2-Dichloropropane	U		0.00154	0.00609	1.01	03/25/2019 19:49	WG1254917
1,1-Dichloropropene	U		0.000852	0.00304	1.01	03/25/2019 19:49	WG1254917
1,3-Dichloropropane	U		0.00213	0.00609	1.01	03/25/2019 19:49	WG1254917
cis-1,3-Dichloropropene	U		0.000826	0.00304	1.01	03/25/2019 19:49	WG1254917
trans-1,3-Dichloropropene	U		0.00186	0.00609	1.01	03/25/2019 19:49	WG1254917
trans-1,4-Dichloro-2-butene	U		0.00170	0.00609	1.01	03/25/2019 19:49	WG1254917
2,2-Dichloropropane	U	J4	0.000966	0.00304	1.01	03/25/2019 19:49	WG1254917
Di-isopropyl ether	U		0.000427	0.00122	1.01	03/25/2019 19:49	WG1254917
Ethylbenzene	U		0.000645	0.00304	1.01	03/25/2019 19:49	WG1254917
Hexachloro-1,3-butadiene	U		0.0154	0.0304	1.01	03/25/2019 19:49	WG1254917
2-Hexanone	U		0.0122	0.0304	1.01	03/25/2019 19:49	WG1254917
n-Hexane	U		0.00129	0.00609	1.01	03/25/2019 19:49	WG1254917
Iodomethane	U		0.00737	0.0152	1.01	03/25/2019 19:49	WG1254917
Isopropylbenzene	U		0.00105	0.00304	1.01	03/25/2019 19:49	WG1254917
p-Isopropyltoluene	U		0.00283	0.00609	1.01	03/25/2019 19:49	WG1254917
2-Butanone (MEK)	U		0.0152	0.0304	1.01	03/25/2019 19:49	WG1254917
Methylene Chloride	U		0.00809	0.0304	1.01	03/25/2019 19:49	WG1254917
4-Methyl-2-pentanone (MIBK)	U		0.0122	0.0304	1.01	03/25/2019 19:49	WG1254917

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000359	0.00122	1.01	03/25/2019 19:49	WG1254917
Naphthalene	U		0.00380	0.0152	1.01	03/25/2019 19:49	WG1254917
n-Propylbenzene	U		0.00143	0.00609	1.01	03/25/2019 19:49	WG1254917
Styrene	U		0.00333	0.0152	1.01	03/25/2019 19:49	WG1254917
1,1,1,2-Tetrachloroethane	U		0.000609	0.00304	1.01	03/25/2019 19:49	WG1254917
1,1,2,2-Tetrachloroethane	U		0.000475	0.00304	1.01	03/25/2019 19:49	WG1254917
1,1,2-Trichlorotrifluoroethane	U		0.000822	0.00304	1.01	03/25/2019 19:49	WG1254917
Tetrachloroethene	U		0.000852	0.00304	1.01	03/25/2019 19:49	WG1254917
Toluene	0.00159	J	0.00152	0.00609	1.01	03/25/2019 19:49	WG1254917
1,2,3-Trichlorobenzene	U		0.000761	0.00304	1.01	03/25/2019 19:49	WG1254917
1,2,4-Trichlorobenzene	U		0.00587	0.0152	1.01	03/25/2019 19:49	WG1254917
1,1,1-Trichloroethane	U		0.000335	0.00304	1.01	03/25/2019 19:49	WG1254917
1,1,2-Trichloroethane	U		0.00108	0.00304	1.01	03/25/2019 19:49	WG1254917
Trichloroethene	U		0.000487	0.00122	1.01	03/25/2019 19:49	WG1254917
Trichlorofluoromethane	U		0.000609	0.00304	1.01	03/25/2019 19:49	WG1254917
1,2,3-Trichloropropane	U		0.00621	0.0152	1.01	03/25/2019 19:49	WG1254917
1,2,4-Trimethylbenzene	U		0.00141	0.00609	1.01	03/25/2019 19:49	WG1254917
1,2,3-Trimethylbenzene	U		0.00140	0.00609	1.01	03/25/2019 19:49	WG1254917
1,3,5-Trimethylbenzene	U		0.00131	0.00609	1.01	03/25/2019 19:49	WG1254917
Vinyl acetate	U		0.00429	0.0152	1.01	03/25/2019 19:49	WG1254917
Vinyl chloride	U		0.000832	0.00304	1.01	03/25/2019 19:49	WG1254917
Xylenes, Total	U		0.00582	0.00791	1.01	03/25/2019 19:49	WG1254917
(S) Toluene-d8	*107*			*75.0-131*		*03/25/2019 19:49*	WG1254917
(S) Toluene-d8	*93.3*			*75.0-131*		*03/26/2019 20:47*	WG1255751
(S) 4-Bromofluorobenzene	*92.6*			*67.0-138*		*03/25/2019 19:49*	WG1254917
(S) 4-Bromofluorobenzene	*78.8*			*67.0-138*		*03/26/2019 20:47*	WG1255751
(S) 1,2-Dichloroethane-d4	*98.2*			*70.0-130*		*03/25/2019 19:49*	WG1254917
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*03/26/2019 20:47*	WG1255751

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.6		1	03/25/2019 11:12	WG1254494

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0164	J	0.0153	0.0279	1	03/26/2019 21:06	WG1255751
Acrylonitrile	U		0.00212	0.0139	1	03/25/2019 20:08	WG1254917
Benzene	U		0.000446	0.00112	1	03/25/2019 20:08	WG1254917
Bromobenzene	U		0.00117	0.0139	1	03/25/2019 20:08	WG1254917
Bromodichloromethane	U		0.000879	0.00279	1	03/25/2019 20:08	WG1254917
Bromochloromethane	U	J4	0.00126	0.00558	1	03/25/2019 20:08	WG1254917
Bromoform	U		0.00667	0.0279	1	03/25/2019 20:08	WG1254917
Bromomethane	U		0.00413	0.0139	1	03/25/2019 20:08	WG1254917
n-Butylbenzene	U		0.00428	0.0139	1	03/25/2019 20:08	WG1254917
sec-Butylbenzene	U		0.00282	0.0139	1	03/25/2019 20:08	WG1254917
tert-Butylbenzene	U		0.00173	0.00558	1	03/25/2019 20:08	WG1254917
Carbon disulfide	U		0.00453	0.0139	1	03/25/2019 20:08	WG1254917
Carbon tetrachloride	U		0.00120	0.00558	1	03/25/2019 20:08	WG1254917
Chlorobenzene	U		0.000639	0.00279	1	03/25/2019 20:08	WG1254917
Chlorodibromomethane	U		0.000502	0.00279	1	03/25/2019 20:08	WG1254917
Chloroethane	U		0.00120	0.00558	1	03/25/2019 20:08	WG1254917
Chloroform	U		0.000463	0.00279	1	03/25/2019 20:08	WG1254917
Chloromethane	U		0.00155	0.0139	1	03/25/2019 20:08	WG1254917
2-Chlorotoluene	U		0.00103	0.00279	1	03/25/2019 20:08	WG1254917
4-Chlorotoluene	U		0.00126	0.00558	1	03/25/2019 20:08	WG1254917
1,2-Dibromo-3-Chloropropane	U		0.00569	0.0279	1	03/25/2019 20:08	WG1254917
1,2-Dibromoethane	U		0.000586	0.00279	1	03/25/2019 20:08	WG1254917
Dibromomethane	U		0.00112	0.00558	1	03/25/2019 20:08	WG1254917
1,2-Dichlorobenzene	U		0.00162	0.00558	1	03/25/2019 20:08	WG1254917
1,3-Dichlorobenzene	U		0.00190	0.00558	1	03/25/2019 20:08	WG1254917
1,4-Dichlorobenzene	U		0.00220	0.00558	1	03/25/2019 20:08	WG1254917
Dichlorodifluoromethane	U		0.000912	0.00279	1	03/25/2019 20:08	WG1254917
1,1-Dichloroethane	U		0.000641	0.00279	1	03/25/2019 20:08	WG1254917
1,2-Dichloroethane	U		0.000530	0.00279	1	03/25/2019 20:08	WG1254917
1,1-Dichloroethene	U		0.000558	0.00279	1	03/25/2019 20:08	WG1254917
cis-1,2-Dichloroethene	U	J4	0.000770	0.00279	1	03/25/2019 20:08	WG1254917
trans-1,2-Dichloroethene	U		0.00160	0.00558	1	03/25/2019 20:08	WG1254917
1,2-Dichloropropane	U		0.00142	0.00558	1	03/25/2019 20:08	WG1254917
1,1-Dichloropropene	U		0.000781	0.00279	1	03/25/2019 20:08	WG1254917
1,3-Dichloropropane	U		0.00195	0.00558	1	03/25/2019 20:08	WG1254917
cis-1,3-Dichloropropene	U		0.000756	0.00279	1	03/25/2019 20:08	WG1254917
trans-1,3-Dichloropropene	U		0.00171	0.00558	1	03/25/2019 20:08	WG1254917
trans-1,4-Dichloro-2-butene	U		0.00156	0.00558	1	03/25/2019 20:08	WG1254917
2,2-Dichloropropane	U	J4	0.000885	0.00279	1	03/25/2019 20:08	WG1254917
Di-isopropyl ether	U		0.000390	0.00112	1	03/25/2019 20:08	WG1254917
Ethylbenzene	U		0.000591	0.00279	1	03/25/2019 20:08	WG1254917
Hexachloro-1,3-butadiene	U		0.0142	0.0279	1	03/25/2019 20:08	WG1254917
2-Hexanone	U		0.0112	0.0279	1	03/25/2019 20:08	WG1254917
n-Hexane	U		0.00118	0.00558	1	03/25/2019 20:08	WG1254917
Iodomethane	U		0.00675	0.0139	1	03/25/2019 20:08	WG1254917
Isopropylbenzene	U		0.000963	0.00279	1	03/25/2019 20:08	WG1254917
p-Isopropyltoluene	U		0.00260	0.00558	1	03/25/2019 20:08	WG1254917
2-Butanone (MEK)	U		0.0139	0.0279	1	03/25/2019 20:08	WG1254917
Methylene Chloride	U		0.00741	0.0279	1	03/25/2019 20:08	WG1254917
4-Methyl-2-pentanone (MIBK)	U		0.0112	0.0279	1	03/25/2019 20:08	WG1254917

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000329	0.00112	1	03/25/2019 20:08	WG1254917
Naphthalene	U		0.00348	0.0139	1	03/25/2019 20:08	WG1254917
n-Propylbenzene	U		0.00132	0.00558	1	03/25/2019 20:08	WG1254917
Styrene	U		0.00305	0.0139	1	03/25/2019 20:08	WG1254917
1,1,1,2-Tetrachloroethane	U		0.000558	0.00279	1	03/25/2019 20:08	WG1254917
1,1,2,2-Tetrachloroethane	U		0.000435	0.00279	1	03/25/2019 20:08	WG1254917
1,1,2-Trichlorotrifluoroethane	U		0.000753	0.00279	1	03/25/2019 20:08	WG1254917
Tetrachloroethene	U		0.000781	0.00279	1	03/25/2019 20:08	WG1254917
Toluene	U		0.00139	0.00558	1	03/25/2019 20:08	WG1254917
1,2,3-Trichlorobenzene	U		0.000697	0.00279	1	03/25/2019 20:08	WG1254917
1,2,4-Trichlorobenzene	U		0.00538	0.0139	1	03/25/2019 20:08	WG1254917
1,1,1-Trichloroethane	U		0.000307	0.00279	1	03/25/2019 20:08	WG1254917
1,1,2-Trichloroethane	U		0.000985	0.00279	1	03/25/2019 20:08	WG1254917
Trichloroethene	U		0.000446	0.00112	1	03/25/2019 20:08	WG1254917
Trichlorofluoromethane	U		0.000558	0.00279	1	03/25/2019 20:08	WG1254917
1,2,3-Trichloropropane	U		0.00569	0.0139	1	03/25/2019 20:08	WG1254917
1,2,4-Trimethylbenzene	U		0.00129	0.00558	1	03/25/2019 20:08	WG1254917
1,2,3-Trimethylbenzene	U		0.00128	0.00558	1	03/25/2019 20:08	WG1254917
1,3,5-Trimethylbenzene	U		0.00120	0.00558	1	03/25/2019 20:08	WG1254917
Vinyl acetate	U		0.00393	0.0139	1	03/25/2019 20:08	WG1254917
Vinyl chloride	U		0.000762	0.00279	1	03/25/2019 20:08	WG1254917
Xylenes, Total	U		0.00533	0.00725	1	03/25/2019 20:08	WG1254917
(S) Toluene-d8	*106*			*75.0-131*		*03/25/2019 20:08*	WG1254917
(S) Toluene-d8	*93.6*			*75.0-131*		*03/26/2019 21:06*	WG1255751
(S) 4-Bromofluorobenzene	*90.9*			*67.0-138*		*03/25/2019 20:08*	WG1254917
(S) 4-Bromofluorobenzene	*75.9*			*67.0-138*		*03/26/2019 21:06*	WG1255751
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*03/25/2019 20:08*	WG1254917
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*03/26/2019 21:06*	WG1255751

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.4		1	03/25/2019 11:12	WG1254494

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0247	J	0.0172	0.0315	1	03/26/2019 11:57	WG1255220
Acrylonitrile	U		0.00239	0.0157	1	03/25/2019 10:35	WG1254919
Benzene	U		0.000504	0.00126	1	03/25/2019 10:35	WG1254919
Bromobenzene	U	J4	0.00132	0.0157	1	03/25/2019 10:35	WG1254919
Bromodichloromethane	U		0.000992	0.00315	1	03/25/2019 10:35	WG1254919
Bromochloromethane	U		0.00142	0.00630	1	03/25/2019 10:35	WG1254919
Bromoform	U		0.00753	0.0315	1	03/25/2019 10:35	WG1254919
Bromomethane	U		0.00466	0.0157	1	03/25/2019 10:35	WG1254919
n-Butylbenzene	U		0.00483	0.0157	1	03/25/2019 10:35	WG1254919
sec-Butylbenzene	U		0.00319	0.0157	1	03/25/2019 10:35	WG1254919
tert-Butylbenzene	U		0.00195	0.00630	1	03/25/2019 10:35	WG1254919
Carbon disulfide	U		0.00511	0.0157	1	03/25/2019 10:35	WG1254919
Carbon tetrachloride	U		0.00136	0.00630	1	03/25/2019 10:35	WG1254919
Chlorobenzene	U		0.000721	0.00315	1	03/25/2019 10:35	WG1254919
Chlorodibromomethane	U		0.000567	0.00315	1	03/25/2019 10:35	WG1254919
Chloroethane	U		0.00136	0.00630	1	03/25/2019 10:35	WG1254919
Chloroform	U		0.000522	0.00315	1	03/25/2019 10:35	WG1254919
Chloromethane	U	J4	0.00175	0.0157	1	03/25/2019 10:35	WG1254919
2-Chlorotoluene	U		0.00116	0.00315	1	03/25/2019 10:35	WG1254919
4-Chlorotoluene	U		0.00142	0.00630	1	03/25/2019 10:35	WG1254919
1,2-Dibromo-3-Chloropropane	U		0.00642	0.0315	1	03/25/2019 10:35	WG1254919
1,2-Dibromoethane	U		0.000661	0.00315	1	03/25/2019 10:35	WG1254919
Dibromomethane	U	J4	0.00126	0.00630	1	03/25/2019 10:35	WG1254919
1,2-Dichlorobenzene	U		0.00183	0.00630	1	03/25/2019 10:35	WG1254919
1,3-Dichlorobenzene	U		0.00214	0.00630	1	03/25/2019 10:35	WG1254919
1,4-Dichlorobenzene	U		0.00248	0.00630	1	03/25/2019 10:35	WG1254919
Dichlorodifluoromethane	U		0.00103	0.00315	1	03/25/2019 10:35	WG1254919
1,1-Dichloroethane	U		0.000724	0.00315	1	03/25/2019 10:35	WG1254919
1,2-Dichloroethane	U		0.000598	0.00315	1	03/25/2019 10:35	WG1254919
1,1-Dichloroethene	U		0.000630	0.00315	1	03/25/2019 10:35	WG1254919
cis-1,2-Dichloroethene	U		0.000869	0.00315	1	03/25/2019 10:35	WG1254919
trans-1,2-Dichloroethene	U		0.00180	0.00630	1	03/25/2019 10:35	WG1254919
1,2-Dichloropropane	U		0.00160	0.00630	1	03/26/2019 11:57	WG1255220
1,1-Dichloropropene	U		0.000881	0.00315	1	03/25/2019 10:35	WG1254919
1,3-Dichloropropane	U		0.00220	0.00630	1	03/25/2019 10:35	WG1254919
cis-1,3-Dichloropropene	U		0.000854	0.00315	1	03/25/2019 10:35	WG1254919
trans-1,3-Dichloropropene	U		0.00193	0.00630	1	03/25/2019 10:35	WG1254919
trans-1,4-Dichloro-2-butene	U		0.00176	0.00630	1	03/25/2019 10:35	WG1254919
2,2-Dichloropropane	U		0.000998	0.00315	1	03/25/2019 10:35	WG1254919
Di-isopropyl ether	U		0.000441	0.00126	1	03/25/2019 10:35	WG1254919
Ethylbenzene	U		0.000667	0.00315	1	03/25/2019 10:35	WG1254919
Hexachloro-1,3-butadiene	U		0.0160	0.0315	1	03/25/2019 10:35	WG1254919
2-Hexanone	U		0.0126	0.0315	1	03/25/2019 10:35	WG1254919
n-Hexane	U		0.00133	0.00630	1	03/25/2019 10:35	WG1254919
Iodomethane	U		0.00762	0.0157	1	03/25/2019 10:35	WG1254919
Isopropylbenzene	U		0.00109	0.00315	1	03/25/2019 10:35	WG1254919
p-Isopropyltoluene	U		0.00293	0.00630	1	03/25/2019 10:35	WG1254919
2-Butanone (MEK)	U		0.0157	0.0315	1	03/25/2019 10:35	WG1254919
Methylene Chloride	U		0.00836	0.0315	1	03/25/2019 10:35	WG1254919
4-Methyl-2-pentanone (MIBK)	U		0.0126	0.0315	1	03/25/2019 10:35	WG1254919

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000371	0.00126	1	03/25/2019 10:35	WG1254919
Naphthalene	0.00418	J	0.00393	0.0157	1	03/25/2019 10:35	WG1254919
n-Propylbenzene	U		0.00149	0.00630	1	03/25/2019 10:35	WG1254919
Styrene	U		0.00344	0.0157	1	03/25/2019 10:35	WG1254919
1,1,1,2-Tetrachloroethane	U		0.000630	0.00315	1	03/25/2019 10:35	WG1254919
1,1,2,2-Tetrachloroethane	U		0.000491	0.00315	1	03/25/2019 10:35	WG1254919
1,1,2-Trichlorotrifluoroethane	U		0.000850	0.00315	1	03/26/2019 11:57	WG1255220
Tetrachloroethene	U		0.000881	0.00315	1	03/25/2019 10:35	WG1254919
Toluene	U		0.00157	0.00630	1	03/25/2019 10:35	WG1254919
1,2,3-Trichlorobenzene	U		0.000787	0.00315	1	03/25/2019 10:35	WG1254919
1,2,4-Trichlorobenzene	U		0.00607	0.0157	1	03/25/2019 10:35	WG1254919
1,1,1-Trichloroethane	U		0.000346	0.00315	1	03/25/2019 10:35	WG1254919
1,1,2-Trichloroethane	U	J4	0.00111	0.00315	1	03/25/2019 10:35	WG1254919
Trichloroethene	U		0.000504	0.00126	1	03/26/2019 11:57	WG1255220
Trichlorofluoromethane	U		0.000630	0.00315	1	03/25/2019 10:35	WG1254919
1,2,3-Trichloropropane	U		0.00642	0.0157	1	03/25/2019 10:35	WG1254919
1,2,4-Trimethylbenzene	U		0.00146	0.00630	1	03/25/2019 10:35	WG1254919
1,2,3-Trimethylbenzene	U		0.00145	0.00630	1	03/25/2019 10:35	WG1254919
1,3,5-Trimethylbenzene	U		0.00136	0.00630	1	03/25/2019 10:35	WG1254919
Vinyl acetate	U		0.00443	0.0157	1	03/25/2019 10:35	WG1254919
Vinyl chloride	U		0.000860	0.00315	1	03/25/2019 10:35	WG1254919
Xylenes, Total	U		0.00602	0.00818	1	03/25/2019 10:35	WG1254919
(S) Toluene-d8	*104*			*75.0-131*		*03/25/2019 10:35*	WG1254919
(S) Toluene-d8	*94.4*			*75.0-131*		*03/26/2019 11:57*	WG1255220
(S) 4-Bromofluorobenzene	*89.3*			*67.0-138*		*03/25/2019 10:35*	WG1254919
(S) 4-Bromofluorobenzene	*79.9*			*67.0-138*		*03/26/2019 11:57*	WG1255220
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*03/25/2019 10:35*	WG1254919
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*03/26/2019 11:57*	WG1255220

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.2		1	03/25/2019 11:12	WG1254494

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0183	0.0335	1.09	03/26/2019 12:16	WG1255220
Acrylonitrile	U		0.00255	0.0168	1.09	03/25/2019 10:53	WG1254919
Benzene	U		0.000537	0.00134	1.09	03/25/2019 10:53	WG1254919
Bromobenzene	U	J4	0.00140	0.0168	1.09	03/25/2019 10:53	WG1254919
Bromodichloromethane	U		0.00106	0.00335	1.09	03/25/2019 10:53	WG1254919
Bromochloromethane	U		0.00151	0.00671	1.09	03/25/2019 10:53	WG1254919
Bromoform	U		0.00803	0.0335	1.09	03/25/2019 10:53	WG1254919
Bromomethane	U		0.00496	0.0168	1.09	03/25/2019 10:53	WG1254919
n-Butylbenzene	U		0.00515	0.0168	1.09	03/25/2019 10:53	WG1254919
sec-Butylbenzene	U		0.00340	0.0168	1.09	03/25/2019 10:53	WG1254919
tert-Butylbenzene	U		0.00208	0.00671	1.09	03/25/2019 10:53	WG1254919
Carbon disulfide	U		0.00544	0.0168	1.09	03/25/2019 10:53	WG1254919
Carbon tetrachloride	U		0.00145	0.00671	1.09	03/25/2019 10:53	WG1254919
Chlorobenzene	U		0.000768	0.00335	1.09	03/25/2019 10:53	WG1254919
Chlorodibromomethane	U		0.000603	0.00335	1.09	03/25/2019 10:53	WG1254919
Chloroethane	U		0.00145	0.00671	1.09	03/25/2019 10:53	WG1254919
Chloroform	U		0.000556	0.00335	1.09	03/25/2019 10:53	WG1254919
Chloromethane	U	J4	0.00187	0.0168	1.09	03/25/2019 10:53	WG1254919
2-Chlorotoluene	U		0.00123	0.00335	1.09	03/25/2019 10:53	WG1254919
4-Chlorotoluene	U		0.00151	0.00671	1.09	03/25/2019 10:53	WG1254919
1,2-Dibromo-3-Chloropropane	U		0.00685	0.0335	1.09	03/25/2019 10:53	WG1254919
1,2-Dibromoethane	U		0.000704	0.00335	1.09	03/25/2019 10:53	WG1254919
Dibromomethane	U	J4	0.00134	0.00671	1.09	03/25/2019 10:53	WG1254919
1,2-Dichlorobenzene	U		0.00195	0.00671	1.09	03/25/2019 10:53	WG1254919
1,3-Dichlorobenzene	U		0.00228	0.00671	1.09	03/25/2019 10:53	WG1254919
1,4-Dichlorobenzene	U		0.00265	0.00671	1.09	03/25/2019 10:53	WG1254919
Dichlorodifluoromethane	U		0.00110	0.00335	1.09	03/25/2019 10:53	WG1254919
1,1-Dichloroethane	U		0.000772	0.00335	1.09	03/25/2019 10:53	WG1254919
1,2-Dichloroethane	U		0.000638	0.00335	1.09	03/25/2019 10:53	WG1254919
1,1-Dichloroethene	U		0.000671	0.00335	1.09	03/25/2019 10:53	WG1254919
cis-1,2-Dichloroethene	U		0.000926	0.00335	1.09	03/25/2019 10:53	WG1254919
trans-1,2-Dichloroethene	U		0.00192	0.00671	1.09	03/25/2019 10:53	WG1254919
1,2-Dichloropropane	U		0.00170	0.00671	1.09	03/26/2019 12:16	WG1255220
1,1-Dichloropropene	U		0.000939	0.00335	1.09	03/25/2019 10:53	WG1254919
1,3-Dichloropropane	U		0.00235	0.00671	1.09	03/25/2019 10:53	WG1254919
cis-1,3-Dichloropropene	U		0.000910	0.00335	1.09	03/25/2019 10:53	WG1254919
trans-1,3-Dichloropropene	U		0.00206	0.00671	1.09	03/25/2019 10:53	WG1254919
trans-1,4-Dichloro-2-butene	U		0.00188	0.00671	1.09	03/25/2019 10:53	WG1254919
2,2-Dichloropropane	U		0.00106	0.00335	1.09	03/25/2019 10:53	WG1254919
Di-isopropyl ether	U		0.000470	0.00134	1.09	03/25/2019 10:53	WG1254919
Ethylbenzene	U		0.000712	0.00335	1.09	03/25/2019 10:53	WG1254919
Hexachloro-1,3-butadiene	U		0.0170	0.0335	1.09	03/25/2019 10:53	WG1254919
2-Hexanone	U		0.0134	0.0335	1.09	03/25/2019 10:53	WG1254919
n-Hexane	U		0.00143	0.00671	1.09	03/25/2019 10:53	WG1254919
Iodomethane	U		0.00811	0.0168	1.09	03/25/2019 10:53	WG1254919
Isopropylbenzene	U		0.00116	0.00335	1.09	03/25/2019 10:53	WG1254919
p-Isopropyltoluene	U		0.00313	0.00671	1.09	03/25/2019 10:53	WG1254919
2-Butanone (MEK)	U		0.0167	0.0335	1.09	03/25/2019 10:53	WG1254919
Methylene Chloride	U		0.00891	0.0335	1.09	03/25/2019 10:53	WG1254919
4-Methyl-2-pentanone (MIBK)	U		0.0134	0.0335	1.09	03/25/2019 10:53	WG1254919

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000396	0.00134	1.09	03/25/2019 10:53	WG1254919
Naphthalene	U		0.00419	0.0168	1.09	03/25/2019 10:53	WG1254919
n-Propylbenzene	U		0.00159	0.00671	1.09	03/25/2019 10:53	WG1254919
Styrene	U		0.00367	0.0168	1.09	03/25/2019 10:53	WG1254919
1,1,1,2-Tetrachloroethane	U		0.000671	0.00335	1.09	03/25/2019 10:53	WG1254919
1,1,2,2-Tetrachloroethane	U		0.000523	0.00335	1.09	03/25/2019 10:53	WG1254919
1,1,2-Trichlorotrifluoroethane	U		0.000906	0.00335	1.09	03/26/2019 12:16	WG1255220
Tetrachloroethene	U		0.000939	0.00335	1.09	03/25/2019 10:53	WG1254919
Toluene	U		0.00167	0.00671	1.09	03/25/2019 10:53	WG1254919
1,2,3-Trichlorobenzene	U		0.000838	0.00335	1.09	03/25/2019 10:53	WG1254919
1,2,4-Trichlorobenzene	U		0.00646	0.0168	1.09	03/25/2019 10:53	WG1254919
1,1,1-Trichloroethane	U		0.000369	0.00335	1.09	03/25/2019 10:53	WG1254919
1,1,2-Trichloroethane	U	J4	0.00118	0.00335	1.09	03/25/2019 10:53	WG1254919
Trichloroethene	U		0.000537	0.00134	1.09	03/26/2019 12:16	WG1255220
Trichlorofluoromethane	U		0.000671	0.00335	1.09	03/25/2019 10:53	WG1254919
1,2,3-Trichloropropane	U		0.00685	0.0168	1.09	03/25/2019 10:53	WG1254919
1,2,4-Trimethylbenzene	U		0.00155	0.00671	1.09	03/25/2019 10:53	WG1254919
1,2,3-Trimethylbenzene	U		0.00154	0.00671	1.09	03/25/2019 10:53	WG1254919
1,3,5-Trimethylbenzene	U		0.00145	0.00671	1.09	03/25/2019 10:53	WG1254919
Vinyl acetate	U		0.00473	0.0168	1.09	03/25/2019 10:53	WG1254919
Vinyl chloride	U		0.000916	0.00335	1.09	03/25/2019 10:53	WG1254919
Xylenes, Total	U		0.00641	0.00872	1.09	03/25/2019 10:53	WG1254919
(S) Toluene-d8	*107*			*75.0-131*		*03/25/2019 10:53*	WG1254919
(S) Toluene-d8	*93.7*			*75.0-131*		*03/26/2019 12:16*	WG1255220
(S) 4-Bromofluorobenzene	*95.7*			*67.0-138*		*03/25/2019 10:53*	WG1254919
(S) 4-Bromofluorobenzene	*79.6*			*67.0-138*		*03/26/2019 12:16*	WG1255220
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*03/25/2019 10:53*	WG1254919
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*03/26/2019 12:16*	WG1255220

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	03/24/2019 22:56	WG1254708
Acrylonitrile	U		0.873	5.00	1	03/24/2019 22:56	WG1254708
Benzene	U		0.0896	0.500	1	03/24/2019 22:56	WG1254708
Bromobenzene	U		0.133	0.500	1	03/24/2019 22:56	WG1254708
Bromodichloromethane	U		0.0800	0.500	1	03/24/2019 22:56	WG1254708
Bromochloromethane	U		0.145	0.500	1	03/24/2019 22:56	WG1254708
Bromoform	U		0.186	0.500	1	03/24/2019 22:56	WG1254708
Bromomethane	U		0.157	2.50	1	03/24/2019 22:56	WG1254708
n-Butylbenzene	U		0.143	0.500	1	03/24/2019 22:56	WG1254708
sec-Butylbenzene	U		0.134	0.500	1	03/24/2019 22:56	WG1254708
tert-Butylbenzene	U		0.183	0.500	1	03/24/2019 22:56	WG1254708
Carbon disulfide	U		0.101	0.500	1	03/24/2019 22:56	WG1254708
Carbon tetrachloride	U		0.159	0.500	1	03/24/2019 22:56	WG1254708
Chlorobenzene	U		0.140	0.500	1	03/24/2019 22:56	WG1254708
Chlorodibromomethane	U		0.128	0.500	1	03/24/2019 22:56	WG1254708
Chloroethane	U		0.141	2.50	1	03/24/2019 22:56	WG1254708
Chloroform	U		0.0860	0.500	1	03/24/2019 22:56	WG1254708
Chloromethane	U		0.153	1.25	1	03/24/2019 22:56	WG1254708
2-Chlorotoluene	U		0.111	0.500	1	03/24/2019 22:56	WG1254708
4-Chlorotoluene	U		0.0972	0.500	1	03/24/2019 22:56	WG1254708
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	03/24/2019 22:56	WG1254708
1,2-Dibromoethane	U		0.193	0.500	1	03/24/2019 22:56	WG1254708
Dibromomethane	U		0.117	0.500	1	03/24/2019 22:56	WG1254708
1,2-Dichlorobenzene	U		0.101	0.500	1	03/24/2019 22:56	WG1254708
1,3-Dichlorobenzene	U		0.130	0.500	1	03/24/2019 22:56	WG1254708
1,4-Dichlorobenzene	U		0.121	0.500	1	03/24/2019 22:56	WG1254708
Dichlorodifluoromethane	U		0.127	2.50	1	03/24/2019 22:56	WG1254708
1,1-Dichloroethane	U		0.114	0.500	1	03/24/2019 22:56	WG1254708
1,2-Dichloroethane	U		0.108	0.500	1	03/24/2019 22:56	WG1254708
1,1-Dichloroethene	U		0.188	0.500	1	03/24/2019 22:56	WG1254708
cis-1,2-Dichloroethene	U		0.0933	0.500	1	03/24/2019 22:56	WG1254708
trans-1,2-Dichloroethene	U		0.152	0.500	1	03/24/2019 22:56	WG1254708
1,2-Dichloropropane	U		0.190	0.500	1	03/24/2019 22:56	WG1254708
1,1-Dichloropropene	U		0.128	0.500	1	03/24/2019 22:56	WG1254708
1,3-Dichloropropane	U		0.147	1.00	1	03/24/2019 22:56	WG1254708
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/24/2019 22:56	WG1254708
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/24/2019 22:56	WG1254708
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	03/24/2019 22:56	WG1254708
2,2-Dichloropropane	U		0.0929	0.500	1	03/24/2019 22:56	WG1254708
Di-isopropyl ether	U		0.0924	0.500	1	03/24/2019 22:56	WG1254708
Ethylbenzene	U		0.158	0.500	1	03/24/2019 22:56	WG1254708
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/24/2019 22:56	WG1254708
2-Hexanone	U		0.757	5.00	1	03/24/2019 22:56	WG1254708
n-Hexane	U		0.305	5.00	1	03/24/2019 22:56	WG1254708
Iodomethane	U		0.377	10.0	1	03/24/2019 22:56	WG1254708
Isopropylbenzene	U		0.126	0.500	1	03/24/2019 22:56	WG1254708
p-Isopropyltoluene	U		0.138	0.500	1	03/24/2019 22:56	WG1254708
2-Butanone (MEK)	U		1.28	5.00	1	03/24/2019 22:56	WG1254708
Methylene Chloride	U		1.07	2.50	1	03/24/2019 22:56	WG1254708
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	03/24/2019 22:56	WG1254708
Methyl tert-butyl ether	U		0.102	0.500	1	03/24/2019 22:56	WG1254708
Naphthalene	U		0.174	2.50	1	03/24/2019 22:56	WG1254708
n-Propylbenzene	U		0.162	0.500	1	03/24/2019 22:56	WG1254708
Styrene	U		0.117	0.500	1	03/24/2019 22:56	WG1254708
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/24/2019 22:56	WG1254708
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	03/24/2019 22:56	WG1254708

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	03/24/2019 22:56	WG1254708
Tetrachloroethene	U		0.199	0.500	1	03/24/2019 22:56	WG1254708
Toluene	U		0.412	0.500	1	03/24/2019 22:56	WG1254708
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/24/2019 22:56	WG1254708
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/24/2019 22:56	WG1254708
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/24/2019 22:56	WG1254708
1,1,2-Trichloroethane	U		0.186	0.500	1	03/24/2019 22:56	WG1254708
Trichloroethene	U		0.153	0.500	1	03/24/2019 22:56	WG1254708
Trichlorofluoromethane	U		0.130	2.50	1	03/24/2019 22:56	WG1254708
1,2,3-Trichloropropane	U		0.247	2.50	1	03/24/2019 22:56	WG1254708
1,2,4-Trimethylbenzene	U		0.123	0.500	1	03/24/2019 22:56	WG1254708
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	03/24/2019 22:56	WG1254708
1,3,5-Trimethylbenzene	U		0.124	0.500	1	03/24/2019 22:56	WG1254708
Vinyl acetate	U		0.645	5.00	1	03/24/2019 22:56	WG1254708
Vinyl chloride	U		0.118	0.500	1	03/24/2019 22:56	WG1254708
Xylenes, Total	U		0.316	1.50	1	03/24/2019 22:56	WG1254708
(S) Toluene-d8	*108*			*80.0-120*		*03/24/2019 22:56*	WG1254708
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*03/24/2019 22:56*	WG1254708
(S) 1,2-Dichloroethane-d4	*98.6*			*70.0-130*		*03/24/2019 22:56*	WG1254708

Method Blank (MB)

(MB) R3395047-1 03/25/19 10:55

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

L1081046-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1081046-01 03/25/19 10:55 • (DUP) R3395047-3 03/25/19 10:55

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	90.7	91.2	1	0.488		10

Laboratory Control Sample (LCS)

(LCS) R3395047-2 03/25/19 10:55

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) R3395041-1 03/25/19 10:41

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

L1081046-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1081046-15 03/25/19 10:41 • (DUP) R3395041-3 03/25/19 10:41

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	88.3	87.5	1	0.953		10

Laboratory Control Sample (LCS)

(LCS) R3395041-2 03/25/19 10:41

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) R3395050-1 03/25/19 11:12

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

L1081049-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1081049-02 03/25/19 11:12 • (DUP) R3395050-3 03/25/19 11:12

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	70.2	73.7	1	4.82		10

Laboratory Control Sample (LCS)

(LCS) R3395050-2 03/25/19 11:12

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) R3395126-2 03/24/19 21:15

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromochloromethane	U		0.145	0.500
Bromodichloromethane	U		0.0800	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
Carbon disulfide	U		0.101	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	0.139	J	0.0933	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
n-Hexane	U		0.305	5.00
trans-1,3-Dichloropropene	U		0.222	0.500
2,2-Dichloropropane	U		0.0929	0.500

Method Blank (MB)

(MB) R3395126-2 03/24/19 21:15

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Iodomethane	U		0.377	10.0
Di-isopropyl ether	U		0.0924	0.500
Ethylbenzene	U		0.158	0.500
2-Hexanone	U		0.757	5.00
Hexachloro-1,3-butadiene	U		0.157	1.00
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
Vinyl acetate	U		0.645	5.00
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
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	*106*			*80.0-120*
(S) 4-Bromofluorobenzene	*102*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*99.5*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3395126-1 03/24/19 20:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromochloromethane	25.0	27.9	112	76.0-122	
trans-1,4-Dichloro-2-butene	25.0	21.2	84.6	33.0-144	
Carbon disulfide	25.0	26.8	107	61.0-128	
n-Hexane	25.0	25.2	101	57.0-133	
Iodomethane	125	145	116	33.0-147	
Acetone	125	130	104	19.0-160	
Acrylonitrile	125	128	102	55.0-149	
Benzene	25.0	25.6	102	70.0-123	
Bromobenzene	25.0	22.6	90.3	73.0-121	
Bromodichloromethane	25.0	25.6	102	75.0-120	
Bromoform	25.0	26.3	105	68.0-132	
Bromomethane	25.0	27.3	109	10.0-160	
n-Butylbenzene	25.0	24.6	98.3	73.0-125	
sec-Butylbenzene	25.0	25.3	101	75.0-125	
tert-Butylbenzene	25.0	25.5	102	76.0-124	
Carbon tetrachloride	25.0	26.6	106	68.0-126	
Chlorobenzene	25.0	26.3	105	80.0-121	
Chlorodibromomethane	25.0	26.5	106	77.0-125	
Chloroethane	25.0	26.3	105	47.0-150	
Chloroform	25.0	26.1	104	73.0-120	
Chloromethane	25.0	23.2	92.8	41.0-142	
2-Chlorotoluene	25.0	23.7	94.7	76.0-123	
Vinyl acetate	125	102	81.9	11.0-160	
4-Chlorotoluene	25.0	25.0	100	75.0-122	
1,2-Dibromo-3-Chloropropane	25.0	23.7	94.7	58.0-134	
1,2-Dibromoethane	25.0	26.8	107	80.0-122	
Dibromomethane	25.0	26.2	105	80.0-120	
1,2-Dichlorobenzene	25.0	24.7	98.9	79.0-121	
1,3-Dichlorobenzene	25.0	25.6	103	79.0-120	
1,4-Dichlorobenzene	25.0	24.2	96.9	79.0-120	
2-Hexanone	125	131	105	67.0-149	
Dichlorodifluoromethane	25.0	31.7	127	51.0-149	
1,1-Dichloroethane	25.0	26.5	106	70.0-126	
1,2-Dichloroethane	25.0	25.2	101	70.0-128	
1,1-Dichloroethene	25.0	26.3	105	71.0-124	
cis-1,2-Dichloroethene	25.0	27.1	109	73.0-120	
trans-1,2-Dichloroethene	25.0	25.9	104	73.0-120	
1,2-Dichloropropane	25.0	26.7	107	77.0-125	
1,1-Dichloropropene	25.0	26.7	107	74.0-126	
1,3-Dichloropropane	25.0	26.5	106	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R3395126-1 03/24/19 20:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
cis-1,3-Dichloropropene	25.0	24.6	98.5	80.0-123	
trans-1,3-Dichloropropene	25.0	26.1	104	78.0-124	
2,2-Dichloropropane	25.0	22.9	91.5	58.0-130	
Di-isopropyl ether	25.0	26.4	106	58.0-138	
Ethylbenzene	25.0	26.1	104	79.0-123	
Hexachloro-1,3-butadiene	25.0	25.0	100	54.0-138	
Isopropylbenzene	25.0	26.2	105	76.0-127	
p-Isopropyltoluene	25.0	25.4	102	76.0-125	
2-Butanone (MEK)	125	130	104	44.0-160	
Methylene Chloride	25.0	24.5	98.0	67.0-120	
4-Methyl-2-pentanone (MIBK)	125	127	102	68.0-142	
Methyl tert-butyl ether	25.0	25.8	103	68.0-125	
Naphthalene	25.0	26.3	105	54.0-135	
n-Propylbenzene	25.0	24.4	97.4	77.0-124	
Styrene	25.0	26.8	107	73.0-130	
1,1,1,2-Tetrachloroethane	25.0	25.7	103	75.0-125	
1,1,2,2-Tetrachloroethane	25.0	24.3	97.2	65.0-130	
Tetrachloroethene	25.0	26.6	106	72.0-132	
Toluene	25.0	25.2	101	79.0-120	
1,1,2-Trichlorotrifluoroethane	25.0	27.6	110	69.0-132	
1,2,3-Trichlorobenzene	25.0	26.6	106	50.0-138	
1,2,4-Trichlorobenzene	25.0	26.1	104	57.0-137	
1,1,1-Trichloroethane	25.0	26.5	106	73.0-124	
1,1,2-Trichloroethane	25.0	25.9	104	80.0-120	
Trichloroethene	25.0	28.2	113	78.0-124	
Trichlorofluoromethane	25.0	27.0	108	59.0-147	
1,2,3-Trichloropropane	25.0	24.5	98.1	73.0-130	
1,2,3-Trimethylbenzene	25.0	25.8	103	77.0-120	
1,2,4-Trimethylbenzene	25.0	26.3	105	76.0-121	
1,3,5-Trimethylbenzene	25.0	24.3	97.1	76.0-122	
Vinyl chloride	25.0	28.2	113	67.0-131	
Xylenes, Total	75.0	79.0	105	79.0-123	
(S) Toluene-d8			*103*	*80.0-120*	
(S) 4-Bromofluorobenzene			*106*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*111*	*70.0-130*	

Method Blank (MB)

(MB) R3394954-2 03/25/19 10:15

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acrylonitrile	U		0.00190	0.0125
Benzene	U		0.000400	0.00100
Bromobenzene	U		0.00105	0.0125
Bromodichloromethane	U		0.000788	0.00250
Bromochloromethane	U		0.00113	0.00500
Bromoform	U		0.00598	0.0250
Bromomethane	U		0.00370	0.0125
n-Butylbenzene	U		0.00384	0.0125
sec-Butylbenzene	U		0.00253	0.0125
tert-Butylbenzene	U		0.00155	0.00500
Carbon disulfide	U		0.00406	0.0125
Carbon tetrachloride	U		0.00108	0.00500
Chlorobenzene	U		0.000573	0.00250
Chlorodibromomethane	U		0.000450	0.00250
Chloroethane	U		0.00108	0.00500
Chloroform	U		0.000415	0.00250
Chloromethane	U		0.00139	0.0125
2-Chlorotoluene	U		0.000920	0.00250
4-Chlorotoluene	U		0.00113	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00510	0.0250
1,2-Dibromoethane	U		0.000525	0.00250
Dibromomethane	U		0.00100	0.00500
1,2-Dichlorobenzene	U		0.00145	0.00500
1,3-Dichlorobenzene	U		0.00170	0.00500
1,4-Dichlorobenzene	U		0.00197	0.00500
trans-1,4-Dichloro-2-butene	U		0.00140	0.00500
Dichlorodifluoromethane	U		0.000818	0.00250
1,1-Dichloroethane	U		0.000575	0.00250
1,2-Dichloroethane	U		0.000475	0.00250
1,1-Dichloroethene	U		0.000500	0.00250
cis-1,2-Dichloroethene	U		0.000690	0.00250
trans-1,2-Dichloroethene	U		0.00143	0.00500
1,2-Dichloropropane	U		0.00127	0.00500
1,1-Dichloropropene	U		0.000700	0.00250
1,3-Dichloropropane	U		0.00175	0.00500
cis-1,3-Dichloropropene	U		0.000678	0.00250
trans-1,3-Dichloropropene	U		0.00153	0.00500
2,2-Dichloropropane	U		0.000793	0.00250
Di-isopropyl ether	U		0.000350	0.00100
Ethylbenzene	U		0.000530	0.00250

Method Blank (MB)

(MB) R3394954-2 03/25/19 10:15

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Hexachloro-1,3-butadiene	U		0.0127	0.0250
n-Hexane	U		0.00106	0.00500
2-Hexanone	U		0.0100	0.0250
Iodomethane	U		0.00605	0.0125
Isopropylbenzene	U		0.000863	0.00250
p-Isopropyltoluene	U		0.00233	0.00500
2-Butanone (MEK)	U		0.0125	0.0250
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.0100	0.0250
Methyl tert-butyl ether	U		0.000295	0.00100
Naphthalene	U		0.00312	0.0125
n-Propylbenzene	U		0.00118	0.00500
Styrene	U		0.00273	0.0125
1,1,1,2-Tetrachloroethane	U		0.000500	0.00250
1,1,2,2-Tetrachloroethane	U		0.000390	0.00250
Tetrachloroethene	U		0.000700	0.00250
Toluene	U		0.00125	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000675	0.00250
1,2,3-Trichlorobenzene	U		0.000625	0.00250
1,2,4-Trichlorobenzene	U		0.00482	0.0125
1,1,1-Trichloroethane	U		0.000275	0.00250
1,1,2-Trichloroethane	U		0.000883	0.00250
Trichloroethene	U		0.000400	0.00100
Trichlorofluoromethane	U		0.000500	0.00250
1,2,3-Trichloropropane	U		0.00510	0.0125
1,2,3-Trimethylbenzene	U		0.00115	0.00500
1,2,4-Trimethylbenzene	U		0.00116	0.00500
1,3,5-Trimethylbenzene	U		0.00108	0.00500
Vinyl acetate	U		0.00352	0.0125
Vinyl chloride	U		0.000683	0.00250
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	*106*			*75.0-131*
(S) 4-Bromofluorobenzene	*93.3*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*98.3*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3394954-1 03/25/19 08:58

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acrylonitrile	0.625	0.605	96.8	45.0-153	
Benzene	0.125	0.127	102	70.0-123	
Bromobenzene	0.125	0.111	88.4	73.0-121	
Bromodichloromethane	0.125	0.113	90.7	73.0-121	
Bromochloromethane	0.125	0.0925	74.0	77.0-128	J4
Bromoform	0.125	0.159	128	64.0-132	
Bromomethane	0.125	0.0875	70.0	56.0-147	
n-Butylbenzene	0.125	0.115	91.6	68.0-135	
sec-Butylbenzene	0.125	0.113	90.4	74.0-130	
tert-Butylbenzene	0.125	0.113	90.3	75.0-127	
Carbon disulfide	0.125	0.135	108	56.0-133	
Carbon tetrachloride	0.125	0.151	121	66.0-128	
Chlorobenzene	0.125	0.113	90.1	76.0-128	
Chlorodibromomethane	0.125	0.134	107	74.0-127	
Chloroethane	0.125	0.100	80.4	61.0-134	
Chloroform	0.125	0.128	103	72.0-123	
Chloromethane	0.125	0.127	102	51.0-138	
2-Chlorotoluene	0.125	0.139	111	75.0-124	
4-Chlorotoluene	0.125	0.111	88.9	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.117	93.6	59.0-130	
1,2-Dibromoethane	0.125	0.111	88.6	74.0-128	
Dibromomethane	0.125	0.144	115	75.0-122	
1,2-Dichlorobenzene	0.125	0.102	81.9	76.0-124	
1,3-Dichlorobenzene	0.125	0.105	83.7	76.0-125	
1,4-Dichlorobenzene	0.125	0.101	81.1	77.0-121	
trans-1,4-Dichloro-2-butene	0.125	0.179	143	45.0-143	
Dichlorodifluoromethane	0.125	0.157	126	43.0-156	
1,1-Dichloroethane	0.125	0.146	117	70.0-127	
1,2-Dichloroethane	0.125	0.132	105	65.0-131	
1,1-Dichloroethene	0.125	0.113	90.3	65.0-131	
cis-1,2-Dichloroethene	0.125	0.157	126	73.0-125	J4
trans-1,2-Dichloroethene	0.125	0.123	98.4	71.0-125	
1,2-Dichloropropane	0.125	0.129	103	74.0-125	
1,1-Dichloropropene	0.125	0.129	103	73.0-125	
1,3-Dichloropropane	0.125	0.133	107	80.0-125	
cis-1,3-Dichloropropene	0.125	0.125	99.6	76.0-127	
trans-1,3-Dichloropropene	0.125	0.151	121	73.0-127	
2,2-Dichloropropane	0.125	0.179	144	59.0-135	J4
Di-isopropyl ether	0.125	0.136	109	60.0-136	
Ethylbenzene	0.125	0.122	97.4	74.0-126	

Laboratory Control Sample (LCS)

(LCS) R3394954-1 03/25/19 08:58

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexachloro-1,3-butadiene	0.125	0.113	90.6	57.0-150	
2-Hexanone	0.625	0.763	122	54.0-147	
n-Hexane	0.125	0.151	120	55.0-137	
Iodomethane	0.625	0.766	123	74.0-134	
Isopropylbenzene	0.125	0.117	93.5	72.0-127	
p-Isopropyltoluene	0.125	0.125	100	72.0-133	
2-Butanone (MEK)	0.625	0.618	98.9	30.0-160	
Methylene Chloride	0.125	0.111	89.1	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.777	124	56.0-143	
Methyl tert-butyl ether	0.125	0.121	96.9	66.0-132	
Naphthalene	0.125	0.103	82.7	59.0-130	
n-Propylbenzene	0.125	0.120	96.4	74.0-126	
Styrene	0.125	0.121	96.4	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.142	113	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.155	124	68.0-128	
Tetrachloroethene	0.125	0.114	91.5	70.0-136	
Toluene	0.125	0.109	87.4	75.0-121	
1,1,2-Trichlorotrifluoroethane	0.125	0.112	89.3	61.0-139	
1,2,3-Trichlorobenzene	0.125	0.146	117	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.108	86.2	62.0-137	
1,1,1-Trichloroethane	0.125	0.116	92.6	69.0-126	
1,1,2-Trichloroethane	0.125	0.116	92.9	78.0-123	
Trichloroethene	0.125	0.105	84.4	76.0-126	
Trichlorofluoromethane	0.125	0.139	111	61.0-142	
1,2,3-Trichloropropane	0.125	0.129	103	67.0-129	
1,2,3-Trimethylbenzene	0.125	0.106	84.5	74.0-124	
1,2,4-Trimethylbenzene	0.125	0.110	87.9	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.105	84.2	73.0-127	
Vinyl acetate	0.625	0.807	129	43.0-159	
Vinyl chloride	0.125	0.132	106	63.0-134	
Xylenes, Total	0.375	0.315	84.0	72.0-127	
(S) Toluene-d8			*106*	*75.0-131*	
(S) 4-Bromofluorobenzene			*97.5*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*110*	*70.0-130*	

Method Blank (MB)

(MB) R3394966-2 03/25/19 09:59

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acrylonitrile	U		0.00190	0.0125
Benzene	U		0.000400	0.00100
Bromobenzene	U		0.00105	0.0125
Bromodichloromethane	U		0.000788	0.00250
Bromochloromethane	U		0.00113	0.00500
Bromoform	U		0.00598	0.0250
Bromomethane	U		0.00370	0.0125
n-Butylbenzene	U		0.00384	0.0125
sec-Butylbenzene	U		0.00253	0.0125
tert-Butylbenzene	U		0.00155	0.00500
Carbon disulfide	U		0.00406	0.0125
Carbon tetrachloride	U		0.00108	0.00500
Chlorobenzene	U		0.000573	0.00250
Chlorodibromomethane	U		0.000450	0.00250
Chloroethane	U		0.00108	0.00500
Chloroform	U		0.000415	0.00250
Chloromethane	U		0.00139	0.0125
2-Chlorotoluene	U		0.000920	0.00250
4-Chlorotoluene	U		0.00113	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00510	0.0250
1,2-Dibromoethane	U		0.000525	0.00250
Dibromomethane	U		0.00100	0.00500
1,2-Dichlorobenzene	U		0.00145	0.00500
1,3-Dichlorobenzene	U		0.00170	0.00500
1,4-Dichlorobenzene	U		0.00197	0.00500
trans-1,4-Dichloro-2-butene	U		0.00140	0.00500
Dichlorodifluoromethane	U		0.000818	0.00250
1,1-Dichloroethane	U		0.000575	0.00250
1,2-Dichloroethane	U		0.000475	0.00250
1,1-Dichloroethene	U		0.000500	0.00250
cis-1,2-Dichloroethene	U		0.000690	0.00250
trans-1,2-Dichloroethene	U		0.00143	0.00500
1,1-Dichloropropene	U		0.000700	0.00250
1,3-Dichloropropane	U		0.00175	0.00500
cis-1,3-Dichloropropene	U		0.000678	0.00250
trans-1,3-Dichloropropene	U		0.00153	0.00500
2,2-Dichloropropane	U		0.000793	0.00250
Di-isopropyl ether	U		0.000350	0.00100
Ethylbenzene	U		0.000530	0.00250
Hexachloro-1,3-butadiene	U		0.0127	0.0250

Method Blank (MB)

(MB) R3394966-2 03/25/19 09:59

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
n-Hexane	U		0.00106	0.00500
2-Hexanone	U		0.0100	0.0250
Iodomethane	U		0.00605	0.0125
Isopropylbenzene	U		0.000863	0.00250
p-Isopropyltoluene	U		0.00233	0.00500
2-Butanone (MEK)	U		0.0125	0.0250
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.0100	0.0250
Methyl tert-butyl ether	U		0.000295	0.00100
Naphthalene	U		0.00312	0.0125
n-Propylbenzene	U		0.00118	0.00500
Styrene	U		0.00273	0.0125
1,1,1,2-Tetrachloroethane	U		0.000500	0.00250
1,1,2,2-Tetrachloroethane	U		0.000390	0.00250
Tetrachloroethene	U		0.000700	0.00250
Toluene	U		0.00125	0.00500
1,2,3-Trichlorobenzene	U		0.000625	0.00250
1,2,4-Trichlorobenzene	U		0.00482	0.0125
1,1,1-Trichloroethane	U		0.000275	0.00250
1,1,2-Trichloroethane	U		0.000883	0.00250
Trichlorofluoromethane	U		0.000500	0.00250
1,2,3-Trichloropropane	U		0.00510	0.0125
1,2,3-Trimethylbenzene	U		0.00115	0.00500
1,2,4-Trimethylbenzene	U		0.00116	0.00500
1,3,5-Trimethylbenzene	U		0.00108	0.00500
Vinyl acetate	U		0.00352	0.0125
Vinyl chloride	U		0.000683	0.00250
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	*105*			*75.0-131*
(S) 4-Bromofluorobenzene	*96.7*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3394966-1 03/25/19 09:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acrylonitrile	0.625	0.620	99.2	45.0-153	
Benzene	0.125	0.105	84.1	70.0-123	

Laboratory Control Sample (LCS)

(LCS) R3394966-1 03/25/19 09:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromobenzene	0.125	0.158	126	73.0-121	J4
Bromodichloromethane	0.125	0.136	109	73.0-121	
Bromochloromethane	0.125	0.131	104	77.0-128	
Bromoform	0.125	0.138	111	64.0-132	
Bromomethane	0.125	0.128	103	56.0-147	
n-Butylbenzene	0.125	0.102	81.2	68.0-135	
sec-Butylbenzene	0.125	0.116	92.7	74.0-130	
tert-Butylbenzene	0.125	0.0981	78.5	75.0-127	
Carbon disulfide	0.125	0.127	102	56.0-133	
Carbon tetrachloride	0.125	0.137	110	66.0-128	
Chlorobenzene	0.125	0.132	106	76.0-128	
Chlorodibromomethane	0.125	0.153	123	74.0-127	
Chloroethane	0.125	0.127	101	61.0-134	
Chloroform	0.125	0.125	99.9	72.0-123	
Chloromethane	0.125	0.174	139	51.0-138	J4
2-Chlorotoluene	0.125	0.115	92.1	75.0-124	
4-Chlorotoluene	0.125	0.113	90.6	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.142	114	59.0-130	
1,2-Dibromoethane	0.125	0.126	101	74.0-128	
Dibromomethane	0.125	0.161	129	75.0-122	J4
1,2-Dichlorobenzene	0.125	0.125	100	76.0-124	
1,3-Dichlorobenzene	0.125	0.106	84.5	76.0-125	
1,4-Dichlorobenzene	0.125	0.113	90.2	77.0-121	
trans-1,4-Dichloro-2-butene	0.125	0.127	101	45.0-143	
Dichlorodifluoromethane	0.125	0.131	105	43.0-156	
1,1-Dichloroethane	0.125	0.151	121	70.0-127	
1,2-Dichloroethane	0.125	0.113	90.4	65.0-131	
1,1-Dichloroethene	0.125	0.127	102	65.0-131	
cis-1,2-Dichloroethene	0.125	0.0970	77.6	73.0-125	
trans-1,2-Dichloroethene	0.125	0.117	93.6	71.0-125	
1,1-Dichloropropene	0.125	0.135	108	73.0-125	
1,3-Dichloropropane	0.125	0.150	120	80.0-125	
cis-1,3-Dichloropropene	0.125	0.115	92.1	76.0-127	
trans-1,3-Dichloropropene	0.125	0.136	109	73.0-127	
2,2-Dichloropropane	0.125	0.166	133	59.0-135	
Di-isopropyl ether	0.125	0.119	94.9	60.0-136	
Ethylbenzene	0.125	0.121	96.5	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.114	91.1	57.0-150	
2-Hexanone	0.625	0.839	134	54.0-147	
n-Hexane	0.125	0.107	85.6	55.0-137	

Laboratory Control Sample (LCS)

(LCS) R3394966-1 03/25/19 09:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Iodomethane	0.625	0.705	113	74.0-134	
Isopropylbenzene	0.125	0.108	86.1	72.0-127	
p-Isopropyltoluene	0.125	0.115	91.8	72.0-133	
2-Butanone (MEK)	0.625	0.535	85.6	30.0-160	
Methylene Chloride	0.125	0.103	82.4	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.473	75.7	56.0-143	
Methyl tert-butyl ether	0.125	0.122	97.5	66.0-132	
Naphthalene	0.125	0.135	108	59.0-130	
n-Propylbenzene	0.125	0.112	89.6	74.0-126	
Styrene	0.125	0.134	107	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.125	99.8	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.118	94.4	68.0-128	
Tetrachloroethene	0.125	0.143	115	70.0-136	
Toluene	0.125	0.100	80.2	75.0-121	
1,2,3-Trichlorobenzene	0.125	0.112	89.5	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.130	104	62.0-137	
1,1,1-Trichloroethane	0.125	0.126	101	69.0-126	
1,1,2-Trichloroethane	0.125	0.0955	76.4	78.0-123	J4
Trichlorofluoromethane	0.125	0.144	116	61.0-142	
1,2,3-Trichloropropane	0.125	0.117	93.7	67.0-129	
1,2,3-Trimethylbenzene	0.125	0.120	96.0	74.0-124	
1,2,4-Trimethylbenzene	0.125	0.105	83.9	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.122	97.3	73.0-127	
Vinyl acetate	0.625	0.478	76.5	43.0-159	
Vinyl chloride	0.125	0.130	104	63.0-134	
Xylenes, Total	0.375	0.340	90.7	72.0-127	
(S) Toluene-d8			*99.9*	*75.0-131*	
(S) 4-Bromofluorobenzene			*95.5*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*109*	*70.0-130*	

Method Blank (MB)

(MB) R3395944-2 03/26/19 10:59

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0137	0.0250
Ethylbenzene	U		0.000530	0.00250
Naphthalene	U		0.00312	0.0125
n-Propylbenzene	U		0.00118	0.00500
Tetrachloroethene	U		0.000700	0.00250
1,2,3-Trimethylbenzene	U		0.00115	0.00500
1,2,4-Trimethylbenzene	U		0.00116	0.00500
1,3,5-Trimethylbenzene	U		0.00108	0.00500
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	*95.1*			*75.0-131*
(S) 4-Bromofluorobenzene	*77.5*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3395944-1 03/26/19 10:00

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.792	127	10.0-160	
Ethylbenzene	0.125	0.0845	67.6	74.0-126	J4
Naphthalene	0.125	0.0890	71.2	59.0-130	
n-Propylbenzene	0.125	0.0956	76.5	74.0-126	
Tetrachloroethene	0.125	0.101	81.1	70.0-136	
1,2,3-Trimethylbenzene	0.125	0.0954	76.4	74.0-124	
1,2,4-Trimethylbenzene	0.125	0.0879	70.3	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.102	81.7	73.0-127	
Xylenes, Total	0.375	0.267	71.2	72.0-127	J4
(S) Toluene-d8			*97.7*	*75.0-131*	
(S) 4-Bromofluorobenzene			*94.7*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*111*	*70.0-130*	

Method Blank (MB)

(MB) R3395945-2 03/26/19 10:59

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0137	0.0250
1,2-Dichloropropane	U		0.00127	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000675	0.00250
Trichloroethene	U		0.000400	0.00100
(S) Toluene-d8	*95.1*			*75.0-131*
(S) 4-Bromofluorobenzene	*77.5*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3395945-1 03/26/19 10:00

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.792	127	10.0-160	
1,2-Dichloropropane	0.125	0.117	93.2	74.0-125	
1,1,2-Trichlorotrifluoroethane	0.125	0.133	107	61.0-139	
Trichloroethene	0.125	0.125	100	76.0-126	
(S) Toluene-d8			*97.7*	*75.0-131*	
(S) 4-Bromofluorobenzene			*94.7*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*111*	*70.0-130*	

Method Blank (MB)

(MB) R3395946-2 03/26/19 10:59

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0137	0.0250
Ethylbenzene	U		0.000530	0.00250
Naphthalene	U		0.00312	0.0125
n-Propylbenzene	U		0.00118	0.00500
1,2,3-Trimethylbenzene	U		0.00115	0.00500
1,2,4-Trimethylbenzene	U		0.00116	0.00500
1,3,5-Trimethylbenzene	U		0.00108	0.00500
(S) Toluene-d8	*95.1*			*75.0-131*
(S) 4-Bromofluorobenzene	*77.5*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3395946-1 03/26/19 10:00

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.792	127	10.0-160	
Ethylbenzene	0.125	0.0845	67.6	74.0-126	J4
Naphthalene	0.125	0.0890	71.2	59.0-130	
n-Propylbenzene	0.125	0.0956	76.5	74.0-126	
1,2,3-Trimethylbenzene	0.125	0.0954	76.4	74.0-124	
1,2,4-Trimethylbenzene	0.125	0.0879	70.3	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.102	81.7	73.0-127	
(S) Toluene-d8			*97.7*	*75.0-131*	
(S) 4-Bromofluorobenzene			*94.7*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*111*	*70.0-130*	

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: The identification of the analyte is acceptable, but the reported concentration is an estimate. The calibration met method criteria.
J4	The associated batch QC was outside the established quality control range for accuracy.

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

State Accreditations

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

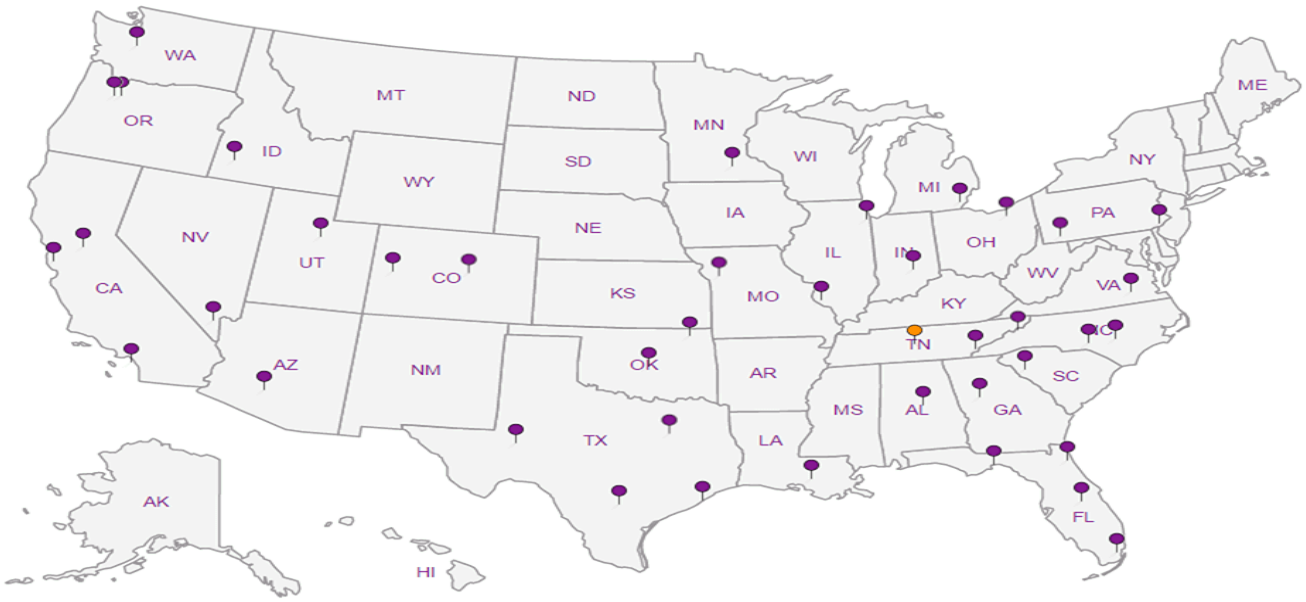
Third Party Federal Accreditations

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

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

Our Locations

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



Chain of Custody

Page 1 of 3

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

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

Project Description: American Linen

City/State Collected: SEATTLE WA

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

Client Project # 1413.001.05.501

Lab Project # PESENVSWA-ALP

Collected by (print): S. MCKERNAN

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 1081046
A182

Acctnum: PESENVSWA
Template: T145466
Prelogin: P696468
TSR: 110 - Brian Ford
PB: 3-1-19GR
Shipped Via: FedEx Saver

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs 8260C 40mlAmb/MeOH5ml/Syr	dry weight 2ozClr-NoPres	Remarks	Sample # (lab only)
B19D19-10	GRAB	SS	10	3/18/19	0850	2	X	X		-01
B19D19-15		SS	15		1015					-02
B19D19-20		SS	20		1017					-03
B19D19-25		SS	25		1020					-04
B19D19-30		SS	30		1025					-05
B19D19-35		SS	35		1027					-06
B19D19-40		SS	40		1030					-07
B19D19-45		SS	45		1034					-08
B19D19-50		SS	50		1205					-09
B19D19-55	X	SS	55	X	1207	X	X	X		-10

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

Remarks:

RAD SCREEN: <0.5 mR/hr

pH _____ Temp _____
Flow _____ Other _____

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

Tracking # 4876 1076 8370

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
	3/19/19	1110		2
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
	3/19/19	1230		39-0.1=3.8 GW 44
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
				3/21/19 815

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
KVIK@PESENV.COM

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

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

Project Description: American Linen

City/State Collected: SEATTLE WA

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

Client Project # 14I3.001.05.501

Lab Project # PESENVSWA-ALP

Collected by (print): S. MCKERNAN

Site/Facility ID #

P.O. #

Collected by (signature): [signature]
Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

VOCs 8260C 40mlAmb/MeOH5ml/Syr

dry weight 2ozClr-NoPres

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs 8260C 40mlAmb/MeOH5ml/Syr	dry weight 2ozClr-NoPres	Remarks	Sample # (lab only)
B19D19-60	GRAB	SS	60	3/18/19	1210	2	X	X		-11
B19D19-65		SS	65		1215					-12
B19D19-70		SS	70		1217					-13
B19D19-75		SS	75		1355					-14
B19D19-80		SS	80		1357					-15
B19D19-85		SS	85		1404					-16
B19D19-90		SS	90		1406					-17
B19D19-95		SS	95		1549					-18
B19D19-100		SS	100		1552					-19
B19D19-105	X	SS	105	X	1555	X	X	X		-20

Chain of Custody Page 2 of 3

Pace Analytical® National Center for Testing & Innovation

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

L# 108046

Table #

Acctnum: PESENVSWA
Template: T145466
Prelogin: P696468
TSR: 110 - Brian Ford
PB: 3-1-19 6m

Shipped Via: FedEX Saver

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

Remarks:

RAD SCREEN: <0.5 mR/hr

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	If preservation required by Login: Date/Time
[signature]	3/19/19	1110	[signature]	2	
Relinquished by : (Signature) [signature]	Date: 3/19/19	Time: 1230	Received by: (Signature) [signature]	Temp: °C 2.9-01:34 KJ Bottles Received: 2	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 3/21/19 Time: 815	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
KVIK@PESENV.COM

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

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

Project Description: American Linen

City/State Collected: SEATTLE WA

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

Client Project # 1413.001.05.501

Lab Project # PESENVSWA-ALP

Collected by (print): S. McKERNAN

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

VOCs 8260C 40mlAmb/MeOH5ml/Syr

dry weight 2ozClr-NoPres

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Remarks	Sample # (lab only)
B19DA-110	GRAB	SS	110	3/18/19	1559	2		-21
B-935-40	↓	SS	40	3/18/19	1700	2		-22
TB-031919	—	SS	—	3/19/19	—	1		-23
		SS						
		SS						
		SS						
		SS						
		SS						
		SS						
		SS						

RPW 3/19/19

Chain of Custody Page 3 of 3

Pace Analytical® National Center for Testing & Innovation

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

L# 1081046

Table #

Acctnum: PESENVSWA
Template: T145466
Prelogin: P696468
TSR: 110 - Brian Ford
PB: 3-1-19

Shipped Via: FedEX Saver

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

Remarks:

RAD SCREEN: <0.5 mR/hr

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	If preservation required by Login: Date/Time
	3/19/19	1110		2	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
	3/19/19	1230		3-9-01=3.8 RW AJ 2 2	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
				3/21/19 815	

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

March 29, 2019

PES Environmental, Inc.- WA

Sample Delivery Group:	L1081910
Samples Received:	03/23/2019
Project Number:	1413.001.05.501
Description:	American Linen
Report To:	Brian O'Neal/Bill Haldeman
	1215 Fourth Ave., Suite 1350
	Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



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B13D13-10 L1081910-01 Solid

Collected by: SM/RM | Collected date/time: 03/21/19 11:48 | Received date/time: 03/23/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1256858	1	03/28/19 12:58	03/28/19 13:09	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1256234	1	03/25/19 22:49	03/27/19 16:39	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1256911	1	03/25/19 22:49	03/28/19 15:30	AV	Mt. Juliet, TN

B13D13-20 L1081910-02 Solid

Collected by: SM/RM | Collected date/time: 03/21/19 11:50 | Received date/time: 03/23/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1256858	1	03/28/19 12:58	03/28/19 13:09	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1256234	1	03/25/19 22:49	03/27/19 16:20	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1256911	1	03/25/19 22:49	03/28/19 15:50	AV	Mt. Juliet, TN

B13D13-30 L1081910-03 Solid

Collected by: SM/RM | Collected date/time: 03/21/19 14:38 | Received date/time: 03/23/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1256858	1	03/28/19 12:58	03/28/19 13:09	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1256234	1	03/25/19 22:49	03/27/19 16:58	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1256911	1	03/25/19 22:49	03/28/19 16:09	AV	Mt. Juliet, TN

B13D13-40 L1081910-04 Solid

Collected by: SM/RM | Collected date/time: 03/21/19 14:44 | Received date/time: 03/23/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1256858	1	03/28/19 12:58	03/28/19 13:09	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1256494	1	03/25/19 22:49	03/28/19 00:28	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1257337	1	03/25/19 22:49	03/28/19 19:14	AV	Mt. Juliet, TN

B13D13-50 L1081910-05 Solid

Collected by: SM/RM | Collected date/time: 03/21/19 14:47 | Received date/time: 03/23/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1256858	1	03/28/19 12:58	03/28/19 13:09	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1256234	1	03/25/19 22:49	03/27/19 17:36	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1256911	1	03/25/19 22:49	03/28/19 16:28	AV	Mt. Juliet, TN

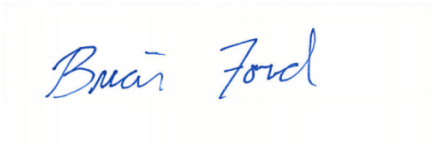
TB-032219 L1081910-06 GW

Collected by: SM/RM | Collected date/time: 03/22/19 08:00 | Received date/time: 03/23/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1257024	1	03/28/19 19:00	03/28/19 19:00	ADM	Mt. Juliet, TN

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

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



Brian Ford
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.7		1	03/28/2019 13:09	WG1256858

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0156	0.0285	1	03/28/2019 15:30	WG1256911
Acrylonitrile	U		0.00217	0.0143	1	03/27/2019 16:39	WG1256234
Benzene	U		0.000456	0.00114	1	03/27/2019 16:39	WG1256234
Bromobenzene	U		0.00120	0.0143	1	03/27/2019 16:39	WG1256234
Bromodichloromethane	U		0.000899	0.00285	1	03/27/2019 16:39	WG1256234
Bromochloromethane	U	J4	0.00129	0.00570	1	03/27/2019 16:39	WG1256234
Bromoform	U		0.00682	0.0285	1	03/27/2019 16:39	WG1256234
Bromomethane	U		0.00422	0.0143	1	03/27/2019 16:39	WG1256234
n-Butylbenzene	U		0.00438	0.0143	1	03/27/2019 16:39	WG1256234
sec-Butylbenzene	U		0.00289	0.0143	1	03/27/2019 16:39	WG1256234
tert-Butylbenzene	U		0.00177	0.00570	1	03/27/2019 16:39	WG1256234
Carbon disulfide	U		0.00463	0.0143	1	03/27/2019 16:39	WG1256234
Carbon tetrachloride	U		0.00123	0.00570	1	03/27/2019 16:39	WG1256234
Chlorobenzene	U		0.000653	0.00285	1	03/27/2019 16:39	WG1256234
Chlorodibromomethane	U		0.000513	0.00285	1	03/27/2019 16:39	WG1256234
Chloroethane	U		0.00123	0.00570	1	03/27/2019 16:39	WG1256234
Chloroform	U		0.000473	0.00285	1	03/27/2019 16:39	WG1256234
Chloromethane	U		0.00159	0.0143	1	03/27/2019 16:39	WG1256234
2-Chlorotoluene	U		0.00105	0.00285	1	03/27/2019 16:39	WG1256234
4-Chlorotoluene	U		0.00129	0.00570	1	03/27/2019 16:39	WG1256234
1,2-Dibromo-3-Chloropropane	U		0.00582	0.0285	1	03/27/2019 16:39	WG1256234
1,2-Dibromoethane	U		0.000599	0.00285	1	03/27/2019 16:39	WG1256234
Dibromomethane	U		0.00114	0.00570	1	03/27/2019 16:39	WG1256234
1,2-Dichlorobenzene	U		0.00165	0.00570	1	03/27/2019 16:39	WG1256234
1,3-Dichlorobenzene	U		0.00194	0.00570	1	03/27/2019 16:39	WG1256234
1,4-Dichlorobenzene	U		0.00225	0.00570	1	03/27/2019 16:39	WG1256234
Dichlorodifluoromethane	U		0.000933	0.00285	1	03/27/2019 16:39	WG1256234
1,1-Dichloroethane	U		0.000656	0.00285	1	03/27/2019 16:39	WG1256234
1,2-Dichloroethane	U		0.000542	0.00285	1	03/27/2019 16:39	WG1256234
1,1-Dichloroethene	U		0.000570	0.00285	1	03/27/2019 16:39	WG1256234
cis-1,2-Dichloroethene	U		0.000787	0.00285	1	03/27/2019 16:39	WG1256234
trans-1,2-Dichloroethene	U		0.00163	0.00570	1	03/27/2019 16:39	WG1256234
1,2-Dichloropropane	U		0.00145	0.00570	1	03/27/2019 16:39	WG1256234
1,1-Dichloropropene	U		0.000798	0.00285	1	03/27/2019 16:39	WG1256234
1,3-Dichloropropane	U		0.00200	0.00570	1	03/27/2019 16:39	WG1256234
cis-1,3-Dichloropropene	U		0.000773	0.00285	1	03/27/2019 16:39	WG1256234
trans-1,3-Dichloropropene	U		0.00174	0.00570	1	03/27/2019 16:39	WG1256234
trans-1,4-Dichloro-2-butene	U		0.00160	0.00570	1	03/27/2019 16:39	WG1256234
2,2-Dichloropropane	U		0.000904	0.00285	1	03/27/2019 16:39	WG1256234
Di-isopropyl ether	U		0.000399	0.00114	1	03/27/2019 16:39	WG1256234
Ethylbenzene	U		0.000604	0.00285	1	03/27/2019 16:39	WG1256234
Hexachloro-1,3-butadiene	U		0.0145	0.0285	1	03/27/2019 16:39	WG1256234
2-Hexanone	U		0.0114	0.0285	1	03/27/2019 16:39	WG1256234
n-Hexane	U		0.00121	0.00570	1	03/27/2019 16:39	WG1256234
Iodomethane	U		0.00690	0.0143	1	03/27/2019 16:39	WG1256234
Isopropylbenzene	U		0.000984	0.00285	1	03/27/2019 16:39	WG1256234
p-Isopropyltoluene	U		0.00266	0.00570	1	03/27/2019 16:39	WG1256234
2-Butanone (MEK)	U		0.0143	0.0285	1	03/27/2019 16:39	WG1256234
Methylene Chloride	U		0.00757	0.0285	1	03/27/2019 16:39	WG1256234
4-Methyl-2-pentanone (MIBK)	U		0.0114	0.0285	1	03/27/2019 16:39	WG1256234

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000336	0.00114	1	03/27/2019 16:39	WG1256234
Naphthalene	U		0.00356	0.0143	1	03/27/2019 16:39	WG1256234
n-Propylbenzene	U		0.00135	0.00570	1	03/27/2019 16:39	WG1256234
Styrene	U		0.00311	0.0143	1	03/27/2019 16:39	WG1256234
1,1,1,2-Tetrachloroethane	U		0.000570	0.00285	1	03/27/2019 16:39	WG1256234
1,1,2,2-Tetrachloroethane	U		0.000445	0.00285	1	03/27/2019 16:39	WG1256234
1,1,2-Trichlorotrifluoroethane	U		0.000770	0.00285	1	03/27/2019 16:39	WG1256234
Tetrachloroethene	U		0.000798	0.00285	1	03/27/2019 16:39	WG1256234
Toluene	U		0.00143	0.00570	1	03/27/2019 16:39	WG1256234
1,2,3-Trichlorobenzene	U		0.000713	0.00285	1	03/27/2019 16:39	WG1256234
1,2,4-Trichlorobenzene	U		0.00550	0.0143	1	03/27/2019 16:39	WG1256234
1,1,1-Trichloroethane	U		0.000314	0.00285	1	03/27/2019 16:39	WG1256234
1,1,2-Trichloroethane	U		0.00101	0.00285	1	03/27/2019 16:39	WG1256234
Trichloroethene	U		0.000456	0.00114	1	03/27/2019 16:39	WG1256234
Trichlorofluoromethane	U		0.000570	0.00285	1	03/27/2019 16:39	WG1256234
1,2,3-Trichloropropane	U		0.00582	0.0143	1	03/27/2019 16:39	WG1256234
1,2,4-Trimethylbenzene	U		0.00132	0.00570	1	03/27/2019 16:39	WG1256234
1,2,3-Trimethylbenzene	U		0.00131	0.00570	1	03/27/2019 16:39	WG1256234
1,3,5-Trimethylbenzene	U		0.00123	0.00570	1	03/27/2019 16:39	WG1256234
Vinyl acetate	U		0.00401	0.0143	1	03/27/2019 16:39	WG1256234
Vinyl chloride	U		0.000779	0.00285	1	03/27/2019 16:39	WG1256234
Xylenes, Total	U		0.00545	0.00741	1	03/27/2019 16:39	WG1256234
(S) Toluene-d8	*107*			*75.0-131*		*03/27/2019 16:39*	WG1256234
(S) Toluene-d8	*93.1*			*75.0-131*		*03/28/2019 15:30*	WG1256911
(S) 4-Bromofluorobenzene	*97.7*			*67.0-138*		*03/27/2019 16:39*	WG1256234
(S) 4-Bromofluorobenzene	*80.4*			*67.0-138*		*03/28/2019 15:30*	WG1256911
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*03/27/2019 16:39*	WG1256234
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*03/28/2019 15:30*	WG1256911

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.4		1	03/28/2019 13:09	WG1256858

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0162	0.0296	1	03/28/2019 15:50	WG1256911
Acrylonitrile	U		0.00225	0.0148	1	03/27/2019 16:20	WG1256234
Benzene	U		0.000474	0.00118	1	03/27/2019 16:20	WG1256234
Bromobenzene	U		0.00124	0.0148	1	03/27/2019 16:20	WG1256234
Bromodichloromethane	U		0.000933	0.00296	1	03/27/2019 16:20	WG1256234
Bromochloromethane	U	J4	0.00134	0.00592	1	03/27/2019 16:20	WG1256234
Bromoform	U		0.00708	0.0296	1	03/27/2019 16:20	WG1256234
Bromomethane	U		0.00438	0.0148	1	03/27/2019 16:20	WG1256234
n-Butylbenzene	U		0.00455	0.0148	1	03/27/2019 16:20	WG1256234
sec-Butylbenzene	U		0.00300	0.0148	1	03/27/2019 16:20	WG1256234
tert-Butylbenzene	U		0.00184	0.00592	1	03/27/2019 16:20	WG1256234
Carbon disulfide	U		0.00481	0.0148	1	03/27/2019 16:20	WG1256234
Carbon tetrachloride	U		0.00128	0.00592	1	03/27/2019 16:20	WG1256234
Chlorobenzene	U		0.000679	0.00296	1	03/27/2019 16:20	WG1256234
Chlorodibromomethane	U		0.000533	0.00296	1	03/27/2019 16:20	WG1256234
Chloroethane	U		0.00128	0.00592	1	03/27/2019 16:20	WG1256234
Chloroform	U		0.000492	0.00296	1	03/27/2019 16:20	WG1256234
Chloromethane	U		0.00165	0.0148	1	03/27/2019 16:20	WG1256234
2-Chlorotoluene	U		0.00109	0.00296	1	03/27/2019 16:20	WG1256234
4-Chlorotoluene	U		0.00134	0.00592	1	03/27/2019 16:20	WG1256234
1,2-Dibromo-3-Chloropropane	U		0.00604	0.0296	1	03/27/2019 16:20	WG1256234
1,2-Dibromoethane	U		0.000622	0.00296	1	03/27/2019 16:20	WG1256234
Dibromomethane	U		0.00118	0.00592	1	03/27/2019 16:20	WG1256234
1,2-Dichlorobenzene	U		0.00172	0.00592	1	03/27/2019 16:20	WG1256234
1,3-Dichlorobenzene	U		0.00201	0.00592	1	03/27/2019 16:20	WG1256234
1,4-Dichlorobenzene	U		0.00233	0.00592	1	03/27/2019 16:20	WG1256234
Dichlorodifluoromethane	U		0.000969	0.00296	1	03/27/2019 16:20	WG1256234
1,1-Dichloroethane	U		0.000681	0.00296	1	03/27/2019 16:20	WG1256234
1,2-Dichloroethane	U		0.000563	0.00296	1	03/27/2019 16:20	WG1256234
1,1-Dichloroethene	U		0.000592	0.00296	1	03/27/2019 16:20	WG1256234
cis-1,2-Dichloroethene	U		0.000817	0.00296	1	03/27/2019 16:20	WG1256234
trans-1,2-Dichloroethene	U		0.00169	0.00592	1	03/27/2019 16:20	WG1256234
1,2-Dichloropropane	U		0.00150	0.00592	1	03/27/2019 16:20	WG1256234
1,1-Dichloropropene	U		0.000829	0.00296	1	03/27/2019 16:20	WG1256234
1,3-Dichloropropane	U		0.00207	0.00592	1	03/27/2019 16:20	WG1256234
cis-1,3-Dichloropropene	U		0.000803	0.00296	1	03/27/2019 16:20	WG1256234
trans-1,3-Dichloropropene	U		0.00181	0.00592	1	03/27/2019 16:20	WG1256234
trans-1,4-Dichloro-2-butene	U		0.00166	0.00592	1	03/27/2019 16:20	WG1256234
2,2-Dichloropropane	U		0.000939	0.00296	1	03/27/2019 16:20	WG1256234
Di-isopropyl ether	U		0.000415	0.00118	1	03/27/2019 16:20	WG1256234
Ethylbenzene	U		0.000628	0.00296	1	03/27/2019 16:20	WG1256234
Hexachloro-1,3-butadiene	U		0.0150	0.0296	1	03/27/2019 16:20	WG1256234
2-Hexanone	U		0.0118	0.0296	1	03/27/2019 16:20	WG1256234
n-Hexane	U		0.00126	0.00592	1	03/27/2019 16:20	WG1256234
Iodomethane	U		0.00717	0.0148	1	03/27/2019 16:20	WG1256234
Isopropylbenzene	U		0.00102	0.00296	1	03/27/2019 16:20	WG1256234
p-Isopropyltoluene	U		0.00276	0.00592	1	03/27/2019 16:20	WG1256234
2-Butanone (MEK)	U		0.0148	0.0296	1	03/27/2019 16:20	WG1256234
Methylene Chloride	U		0.00787	0.0296	1	03/27/2019 16:20	WG1256234
4-Methyl-2-pentanone (MIBK)	U		0.0118	0.0296	1	03/27/2019 16:20	WG1256234

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		0.000349	0.00118	1	03/27/2019 16:20	WG1256234
Naphthalene	U		0.00370	0.0148	1	03/27/2019 16:20	WG1256234
n-Propylbenzene	U		0.00140	0.00592	1	03/27/2019 16:20	WG1256234
Styrene	U		0.00323	0.0148	1	03/27/2019 16:20	WG1256234
1,1,1,2-Tetrachloroethane	U		0.000592	0.00296	1	03/27/2019 16:20	WG1256234
1,1,2,2-Tetrachloroethane	U		0.000462	0.00296	1	03/27/2019 16:20	WG1256234
1,1,2-Trichlorotrifluoroethane	U		0.000800	0.00296	1	03/27/2019 16:20	WG1256234
Tetrachloroethene	U		0.000829	0.00296	1	03/27/2019 16:20	WG1256234
Toluene	U		0.00148	0.00592	1	03/27/2019 16:20	WG1256234
1,2,3-Trichlorobenzene	U		0.000740	0.00296	1	03/27/2019 16:20	WG1256234
1,2,4-Trichlorobenzene	U		0.00571	0.0148	1	03/27/2019 16:20	WG1256234
1,1,1-Trichloroethane	U		0.000326	0.00296	1	03/27/2019 16:20	WG1256234
1,1,2-Trichloroethane	U		0.00105	0.00296	1	03/27/2019 16:20	WG1256234
Trichloroethene	U		0.000474	0.00118	1	03/27/2019 16:20	WG1256234
Trichlorofluoromethane	U		0.000592	0.00296	1	03/27/2019 16:20	WG1256234
1,2,3-Trichloropropane	U		0.00604	0.0148	1	03/27/2019 16:20	WG1256234
1,2,4-Trimethylbenzene	U		0.00137	0.00592	1	03/28/2019 15:50	WG1256911
1,2,3-Trimethylbenzene	U		0.00136	0.00592	1	03/27/2019 16:20	WG1256234
1,3,5-Trimethylbenzene	U		0.00128	0.00592	1	03/27/2019 16:20	WG1256234
Vinyl acetate	U		0.00417	0.0148	1	03/27/2019 16:20	WG1256234
Vinyl chloride	U		0.000809	0.00296	1	03/27/2019 16:20	WG1256234
Xylenes, Total	U		0.00566	0.00770	1	03/27/2019 16:20	WG1256234
(S) Toluene-d8	*107*			*75.0-131*		*03/27/2019 16:20*	WG1256234
(S) Toluene-d8	*92.4*			*75.0-131*		*03/28/2019 15:50*	WG1256911
(S) 4-Bromofluorobenzene	*97.9*			*67.0-138*		*03/27/2019 16:20*	WG1256234
(S) 4-Bromofluorobenzene	*80.8*			*67.0-138*		*03/28/2019 15:50*	WG1256911
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*03/27/2019 16:20*	WG1256234
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*03/28/2019 15:50*	WG1256911

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.0		1	03/28/2019 13:09	WG1256858

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0157	0.0287	1	03/28/2019 16:09	WG1256911
Acrylonitrile	U		0.00218	0.0144	1	03/27/2019 16:58	WG1256234
Benzene	U		0.000460	0.00115	1	03/27/2019 16:58	WG1256234
Bromobenzene	U		0.00121	0.0144	1	03/27/2019 16:58	WG1256234
Bromodichloromethane	U		0.000905	0.00287	1	03/27/2019 16:58	WG1256234
Bromochloromethane	U	J4	0.00130	0.00574	1	03/27/2019 16:58	WG1256234
Bromoform	U		0.00687	0.0287	1	03/27/2019 16:58	WG1256234
Bromomethane	U		0.00425	0.0144	1	03/27/2019 16:58	WG1256234
n-Butylbenzene	U		0.00441	0.0144	1	03/27/2019 16:58	WG1256234
sec-Butylbenzene	U		0.00291	0.0144	1	03/27/2019 16:58	WG1256234
tert-Butylbenzene	U		0.00178	0.00574	1	03/27/2019 16:58	WG1256234
Carbon disulfide	U		0.00466	0.0144	1	03/27/2019 16:58	WG1256234
Carbon tetrachloride	U		0.00124	0.00574	1	03/27/2019 16:58	WG1256234
Chlorobenzene	U		0.000658	0.00287	1	03/27/2019 16:58	WG1256234
Chlorodibromomethane	U		0.000517	0.00287	1	03/27/2019 16:58	WG1256234
Chloroethane	U		0.00124	0.00574	1	03/27/2019 16:58	WG1256234
Chloroform	U		0.000477	0.00287	1	03/27/2019 16:58	WG1256234
Chloromethane	U		0.00160	0.0144	1	03/27/2019 16:58	WG1256234
2-Chlorotoluene	U		0.00106	0.00287	1	03/27/2019 16:58	WG1256234
4-Chlorotoluene	U		0.00130	0.00574	1	03/27/2019 16:58	WG1256234
1,2-Dibromo-3-Chloropropane	U		0.00586	0.0287	1	03/27/2019 16:58	WG1256234
1,2-Dibromoethane	U		0.000603	0.00287	1	03/27/2019 16:58	WG1256234
Dibromomethane	U		0.00115	0.00574	1	03/27/2019 16:58	WG1256234
1,2-Dichlorobenzene	U		0.00167	0.00574	1	03/27/2019 16:58	WG1256234
1,3-Dichlorobenzene	U		0.00195	0.00574	1	03/27/2019 16:58	WG1256234
1,4-Dichlorobenzene	U		0.00226	0.00574	1	03/27/2019 16:58	WG1256234
Dichlorodifluoromethane	U		0.000940	0.00287	1	03/27/2019 16:58	WG1256234
1,1-Dichloroethane	U		0.000661	0.00287	1	03/27/2019 16:58	WG1256234
1,2-Dichloroethane	U		0.000546	0.00287	1	03/27/2019 16:58	WG1256234
1,1-Dichloroethene	U		0.000574	0.00287	1	03/27/2019 16:58	WG1256234
cis-1,2-Dichloroethene	0.0169		0.000793	0.00287	1	03/27/2019 16:58	WG1256234
trans-1,2-Dichloroethene	U		0.00164	0.00574	1	03/27/2019 16:58	WG1256234
1,2-Dichloropropane	U		0.00146	0.00574	1	03/27/2019 16:58	WG1256234
1,1-Dichloropropene	U		0.000804	0.00287	1	03/27/2019 16:58	WG1256234
1,3-Dichloropropane	U		0.00201	0.00574	1	03/27/2019 16:58	WG1256234
cis-1,3-Dichloropropene	U		0.000779	0.00287	1	03/27/2019 16:58	WG1256234
trans-1,3-Dichloropropene	U		0.00176	0.00574	1	03/27/2019 16:58	WG1256234
trans-1,4-Dichloro-2-butene	U		0.00161	0.00574	1	03/27/2019 16:58	WG1256234
2,2-Dichloropropane	U		0.000911	0.00287	1	03/27/2019 16:58	WG1256234
Di-isopropyl ether	U		0.000402	0.00115	1	03/27/2019 16:58	WG1256234
Ethylbenzene	U		0.000609	0.00287	1	03/27/2019 16:58	WG1256234
Hexachloro-1,3-butadiene	U		0.0146	0.0287	1	03/27/2019 16:58	WG1256234
2-Hexanone	U		0.0115	0.0287	1	03/27/2019 16:58	WG1256234
n-Hexane	U		0.00122	0.00574	1	03/27/2019 16:58	WG1256234
Iodomethane	U		0.00695	0.0144	1	03/27/2019 16:58	WG1256234
Isopropylbenzene	U		0.000991	0.00287	1	03/27/2019 16:58	WG1256234
p-Isopropyltoluene	U		0.00268	0.00574	1	03/27/2019 16:58	WG1256234
2-Butanone (MEK)	U		0.0144	0.0287	1	03/27/2019 16:58	WG1256234
Methylene Chloride	U		0.00763	0.0287	1	03/27/2019 16:58	WG1256234
4-Methyl-2-pentanone (MIBK)	U		0.0115	0.0287	1	03/27/2019 16:58	WG1256234

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000339	0.00115	1	03/27/2019 16:58	WG1256234
Naphthalene	U		0.00358	0.0144	1	03/27/2019 16:58	WG1256234
n-Propylbenzene	U		0.00136	0.00574	1	03/27/2019 16:58	WG1256234
Styrene	U		0.00314	0.0144	1	03/27/2019 16:58	WG1256234
1,1,1,2-Tetrachloroethane	U		0.000574	0.00287	1	03/27/2019 16:58	WG1256234
1,1,2,2-Tetrachloroethane	U		0.000448	0.00287	1	03/27/2019 16:58	WG1256234
1,1,2-Trichlorotrifluoroethane	U		0.000775	0.00287	1	03/27/2019 16:58	WG1256234
Tetrachloroethene	0.0498		0.000804	0.00287	1	03/27/2019 16:58	WG1256234
Toluene	U		0.00144	0.00574	1	03/27/2019 16:58	WG1256234
1,2,3-Trichlorobenzene	U		0.000718	0.00287	1	03/27/2019 16:58	WG1256234
1,2,4-Trichlorobenzene	U		0.00554	0.0144	1	03/27/2019 16:58	WG1256234
1,1,1-Trichloroethane	U		0.000316	0.00287	1	03/27/2019 16:58	WG1256234
1,1,2-Trichloroethane	U		0.00101	0.00287	1	03/27/2019 16:58	WG1256234
Trichloroethene	0.0117		0.000460	0.00115	1	03/27/2019 16:58	WG1256234
Trichlorofluoromethane	U		0.000574	0.00287	1	03/27/2019 16:58	WG1256234
1,2,3-Trichloropropane	U		0.00586	0.0144	1	03/27/2019 16:58	WG1256234
1,2,4-Trimethylbenzene	U		0.00133	0.00574	1	03/27/2019 16:58	WG1256234
1,2,3-Trimethylbenzene	U		0.00132	0.00574	1	03/27/2019 16:58	WG1256234
1,3,5-Trimethylbenzene	U		0.00124	0.00574	1	03/27/2019 16:58	WG1256234
Vinyl acetate	U		0.00404	0.0144	1	03/27/2019 16:58	WG1256234
Vinyl chloride	U		0.000785	0.00287	1	03/27/2019 16:58	WG1256234
Xylenes, Total	U		0.00549	0.00747	1	03/27/2019 16:58	WG1256234
(S) Toluene-d8	*102*			*75.0-131*		*03/27/2019 16:58*	WG1256234
(S) Toluene-d8	*93.2*			*75.0-131*		*03/28/2019 16:09*	WG1256911
(S) 4-Bromofluorobenzene	*94.1*			*67.0-138*		*03/27/2019 16:58*	WG1256234
(S) 4-Bromofluorobenzene	*80.5*			*67.0-138*		*03/28/2019 16:09*	WG1256911
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*03/27/2019 16:58*	WG1256234
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*03/28/2019 16:09*	WG1256911

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.7		1	03/28/2019 13:09	WG1256858

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0274		0.0146	0.0267	1	03/28/2019 19:14	WG1257337
Acrylonitrile	U		0.00203	0.0133	1	03/28/2019 00:28	WG1256494
Benzene	U		0.000427	0.00107	1	03/28/2019 00:28	WG1256494
Bromobenzene	U		0.00112	0.0133	1	03/28/2019 00:28	WG1256494
Bromodichloromethane	U		0.000841	0.00267	1	03/28/2019 00:28	WG1256494
Bromochloromethane	U	J4	0.00121	0.00534	1	03/28/2019 00:28	WG1256494
Bromoform	U	J4	0.00638	0.0267	1	03/28/2019 00:28	WG1256494
Bromomethane	U		0.00395	0.0133	1	03/28/2019 00:28	WG1256494
n-Butylbenzene	U		0.00410	0.0133	1	03/28/2019 00:28	WG1256494
sec-Butylbenzene	U		0.00270	0.0133	1	03/28/2019 00:28	WG1256494
tert-Butylbenzene	U		0.00165	0.00534	1	03/28/2019 00:28	WG1256494
Carbon disulfide	U		0.00433	0.0133	1	03/28/2019 00:28	WG1256494
Carbon tetrachloride	U		0.00115	0.00534	1	03/28/2019 00:28	WG1256494
Chlorobenzene	U		0.000611	0.00267	1	03/28/2019 00:28	WG1256494
Chlorodibromomethane	U		0.000480	0.00267	1	03/28/2019 00:28	WG1256494
Chloroethane	U		0.00115	0.00534	1	03/28/2019 00:28	WG1256494
Chloroform	U		0.000443	0.00267	1	03/28/2019 00:28	WG1256494
Chloromethane	U		0.00148	0.0133	1	03/28/2019 00:28	WG1256494
2-Chlorotoluene	U		0.000982	0.00267	1	03/28/2019 00:28	WG1256494
4-Chlorotoluene	U		0.00121	0.00534	1	03/28/2019 00:28	WG1256494
1,2-Dibromo-3-Chloropropane	U		0.00544	0.0267	1	03/28/2019 00:28	WG1256494
1,2-Dibromoethane	U		0.000560	0.00267	1	03/28/2019 00:28	WG1256494
Dibromomethane	U	J4	0.00107	0.00534	1	03/28/2019 00:28	WG1256494
1,2-Dichlorobenzene	U		0.00155	0.00534	1	03/28/2019 00:28	WG1256494
1,3-Dichlorobenzene	U		0.00181	0.00534	1	03/28/2019 00:28	WG1256494
1,4-Dichlorobenzene	U		0.00210	0.00534	1	03/28/2019 00:28	WG1256494
Dichlorodifluoromethane	U		0.000873	0.00267	1	03/28/2019 00:28	WG1256494
1,1-Dichloroethane	U		0.000614	0.00267	1	03/28/2019 00:28	WG1256494
1,2-Dichloroethane	U	J4	0.000507	0.00267	1	03/28/2019 00:28	WG1256494
1,1-Dichloroethene	U		0.000534	0.00267	1	03/28/2019 00:28	WG1256494
cis-1,2-Dichloroethene	0.00174	J	0.000736	0.00267	1	03/28/2019 00:28	WG1256494
trans-1,2-Dichloroethene	U		0.00153	0.00534	1	03/28/2019 00:28	WG1256494
1,2-Dichloropropane	U		0.00136	0.00534	1	03/28/2019 00:28	WG1256494
1,1-Dichloropropene	U		0.000747	0.00267	1	03/28/2019 00:28	WG1256494
1,3-Dichloropropane	U		0.00187	0.00534	1	03/28/2019 00:28	WG1256494
cis-1,3-Dichloropropene	U		0.000723	0.00267	1	03/28/2019 00:28	WG1256494
trans-1,3-Dichloropropene	U		0.00163	0.00534	1	03/28/2019 00:28	WG1256494
trans-1,4-Dichloro-2-butene	U		0.00149	0.00534	1	03/28/2019 00:28	WG1256494
2,2-Dichloropropane	U		0.000846	0.00267	1	03/28/2019 00:28	WG1256494
Di-isopropyl ether	U		0.000373	0.00107	1	03/28/2019 00:28	WG1256494
Ethylbenzene	U		0.000566	0.00267	1	03/28/2019 00:28	WG1256494
Hexachloro-1,3-butadiene	U		0.0136	0.0267	1	03/28/2019 00:28	WG1256494
2-Hexanone	U		0.0107	0.0267	1	03/28/2019 00:28	WG1256494
n-Hexane	U		0.00113	0.00534	1	03/28/2019 00:28	WG1256494
Iodomethane	U		0.00646	0.0133	1	03/28/2019 00:28	WG1256494
Isopropylbenzene	U		0.000921	0.00267	1	03/28/2019 00:28	WG1256494
p-Isopropyltoluene	U		0.00249	0.00534	1	03/28/2019 00:28	WG1256494
2-Butanone (MEK)	U		0.0133	0.0267	1	03/28/2019 00:28	WG1256494
Methylene Chloride	U		0.00708	0.0267	1	03/28/2019 00:28	WG1256494
4-Methyl-2-pentanone (MIBK)	U		0.0107	0.0267	1	03/28/2019 00:28	WG1256494

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000315	0.00107	1	03/28/2019 00:28	WG1256494
Naphthalene	U		0.00333	0.0133	1	03/28/2019 00:28	WG1256494
n-Propylbenzene	U		0.00126	0.00534	1	03/28/2019 00:28	WG1256494
Styrene	U		0.00291	0.0133	1	03/28/2019 00:28	WG1256494
1,1,1,2-Tetrachloroethane	U		0.000534	0.00267	1	03/28/2019 00:28	WG1256494
1,1,2,2-Tetrachloroethane	U		0.000416	0.00267	1	03/28/2019 00:28	WG1256494
1,1,2-Trichlorotrifluoroethane	U		0.000720	0.00267	1	03/28/2019 00:28	WG1256494
Tetrachloroethene	0.00300		0.000747	0.00267	1	03/28/2019 00:28	WG1256494
Toluene	U		0.00133	0.00534	1	03/28/2019 00:28	WG1256494
1,2,3-Trichlorobenzene	U		0.000667	0.00267	1	03/28/2019 00:28	WG1256494
1,2,4-Trichlorobenzene	U		0.00514	0.0133	1	03/28/2019 00:28	WG1256494
1,1,1-Trichloroethane	U		0.000293	0.00267	1	03/28/2019 00:28	WG1256494
1,1,2-Trichloroethane	U		0.000942	0.00267	1	03/28/2019 00:28	WG1256494
Trichloroethene	0.000505	J	0.000427	0.00107	1	03/28/2019 00:28	WG1256494
Trichlorofluoromethane	U		0.000534	0.00267	1	03/28/2019 00:28	WG1256494
1,2,3-Trichloropropane	U		0.00544	0.0133	1	03/28/2019 00:28	WG1256494
1,2,4-Trimethylbenzene	U		0.00124	0.00534	1	03/28/2019 00:28	WG1256494
1,2,3-Trimethylbenzene	U		0.00123	0.00534	1	03/28/2019 00:28	WG1256494
1,3,5-Trimethylbenzene	U		0.00115	0.00534	1	03/28/2019 00:28	WG1256494
Vinyl acetate	U		0.00376	0.0133	1	03/28/2019 00:28	WG1256494
Vinyl chloride	U		0.000729	0.00267	1	03/28/2019 00:28	WG1256494
Xylenes, Total	U		0.00510	0.00694	1	03/28/2019 00:28	WG1256494
(S) Toluene-d8	*102*			*75.0-131*		*03/28/2019 00:28*	WG1256494
(S) Toluene-d8	*95.7*			*75.0-131*		*03/28/2019 19:14*	WG1257337
(S) 4-Bromofluorobenzene	*97.7*			*67.0-138*		*03/28/2019 00:28*	WG1256494
(S) 4-Bromofluorobenzene	*78.5*			*67.0-138*		*03/28/2019 19:14*	WG1257337
(S) 1,2-Dichloroethane-d4	*126*			*70.0-130*		*03/28/2019 00:28*	WG1256494
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*03/28/2019 19:14*	WG1257337

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.0		1	03/28/2019 13:09	WG1256858

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0150	0.0275	1	03/28/2019 16:28	WG1256911
Acrylonitrile	U		0.00209	0.0137	1	03/27/2019 17:36	WG1256234
Benzene	U	J3	0.000439	0.00110	1	03/27/2019 17:36	WG1256234
Bromobenzene	U		0.00115	0.0137	1	03/27/2019 17:36	WG1256234
Bromodichloromethane	U	J3	0.000866	0.00275	1	03/27/2019 17:36	WG1256234
Bromochloromethane	U	J3 J4	0.00124	0.00549	1	03/27/2019 17:36	WG1256234
Bromoform	U		0.00657	0.0275	1	03/27/2019 17:36	WG1256234
Bromomethane	U	J3	0.00406	0.0137	1	03/27/2019 17:36	WG1256234
n-Butylbenzene	U	J3	0.00422	0.0137	1	03/27/2019 17:36	WG1256234
sec-Butylbenzene	U	J3	0.00278	0.0137	1	03/27/2019 17:36	WG1256234
tert-Butylbenzene	U	J3	0.00170	0.00549	1	03/27/2019 17:36	WG1256234
Carbon disulfide	U	J3 J6	0.00446	0.0137	1	03/27/2019 17:36	WG1256234
Carbon tetrachloride	U	J3	0.00119	0.00549	1	03/27/2019 17:36	WG1256234
Chlorobenzene	U	J3	0.000629	0.00275	1	03/27/2019 17:36	WG1256234
Chlorodibromomethane	U		0.000494	0.00275	1	03/27/2019 17:36	WG1256234
Chloroethane	U	J3	0.00119	0.00549	1	03/27/2019 17:36	WG1256234
Chloroform	U	J3	0.000456	0.00275	1	03/27/2019 17:36	WG1256234
Chloromethane	U	J3	0.00153	0.0137	1	03/27/2019 17:36	WG1256234
2-Chlorotoluene	U	J3	0.00101	0.00275	1	03/27/2019 17:36	WG1256234
4-Chlorotoluene	U	J3	0.00124	0.00549	1	03/27/2019 17:36	WG1256234
1,2-Dibromo-3-Chloropropane	U		0.00560	0.0275	1	03/27/2019 17:36	WG1256234
1,2-Dibromoethane	U		0.000577	0.00275	1	03/27/2019 17:36	WG1256234
Dibromomethane	U		0.00110	0.00549	1	03/27/2019 17:36	WG1256234
1,2-Dichlorobenzene	U		0.00159	0.00549	1	03/27/2019 17:36	WG1256234
1,3-Dichlorobenzene	U	J3	0.00187	0.00549	1	03/27/2019 17:36	WG1256234
1,4-Dichlorobenzene	U		0.00216	0.00549	1	03/27/2019 17:36	WG1256234
Dichlorodifluoromethane	U	J3	0.000899	0.00275	1	03/27/2019 17:36	WG1256234
1,1-Dichloroethane	U	J3	0.000632	0.00275	1	03/27/2019 17:36	WG1256234
1,2-Dichloroethane	U		0.000522	0.00275	1	03/27/2019 17:36	WG1256234
1,1-Dichloroethene	U	J3	0.000549	0.00275	1	03/27/2019 17:36	WG1256234
cis-1,2-Dichloroethene	U	J3	0.000758	0.00275	1	03/27/2019 17:36	WG1256234
trans-1,2-Dichloroethene	U	J3	0.00157	0.00549	1	03/27/2019 17:36	WG1256234
1,2-Dichloropropane	U	J3	0.00140	0.00549	1	03/27/2019 17:36	WG1256234
1,1-Dichloropropene	U	J3	0.000769	0.00275	1	03/27/2019 17:36	WG1256234
1,3-Dichloropropane	U		0.00192	0.00549	1	03/27/2019 17:36	WG1256234
cis-1,3-Dichloropropene	U	J3	0.000745	0.00275	1	03/27/2019 17:36	WG1256234
trans-1,3-Dichloropropene	U	J3	0.00168	0.00549	1	03/27/2019 17:36	WG1256234
trans-1,4-Dichloro-2-butene	U		0.00154	0.00549	1	03/27/2019 17:36	WG1256234
2,2-Dichloropropane	U	J3	0.000871	0.00275	1	03/27/2019 17:36	WG1256234
Di-isopropyl ether	U	J3	0.000384	0.00110	1	03/27/2019 17:36	WG1256234
Ethylbenzene	U	J3	0.000582	0.00275	1	03/27/2019 17:36	WG1256234
Hexachloro-1,3-butadiene	U	J3	0.0140	0.0275	1	03/27/2019 17:36	WG1256234
2-Hexanone	U		0.0110	0.0275	1	03/27/2019 17:36	WG1256234
n-Hexane	U	J3 J6	0.00116	0.00549	1	03/27/2019 17:36	WG1256234
Iodomethane	U	J3	0.00665	0.0137	1	03/27/2019 17:36	WG1256234
Isopropylbenzene	U	J3	0.000948	0.00275	1	03/27/2019 17:36	WG1256234
p-Isopropyltoluene	U	J3	0.00256	0.00549	1	03/27/2019 17:36	WG1256234
2-Butanone (MEK)	U		0.0137	0.0275	1	03/27/2019 17:36	WG1256234
Methylene Chloride	U		0.00729	0.0275	1	03/27/2019 17:36	WG1256234
4-Methyl-2-pentanone (MIBK)	U		0.0110	0.0275	1	03/27/2019 17:36	WG1256234

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000324	0.00110	1	03/27/2019 17:36	WG1256234
Naphthalene	U		0.00343	0.0137	1	03/27/2019 17:36	WG1256234
n-Propylbenzene	U	J3	0.00130	0.00549	1	03/27/2019 17:36	WG1256234
Styrene	U	J3	0.00300	0.0137	1	03/27/2019 17:36	WG1256234
1,1,1,2-Tetrachloroethane	U	J3	0.000549	0.00275	1	03/27/2019 17:36	WG1256234
1,1,2,2-Tetrachloroethane	U		0.000428	0.00275	1	03/27/2019 17:36	WG1256234
1,1,2-Trichlorotrifluoroethane	U	J3	0.000741	0.00275	1	03/27/2019 17:36	WG1256234
Tetrachloroethene	0.00784	J3	0.000769	0.00275	1	03/27/2019 17:36	WG1256234
Toluene	U	J3	0.00137	0.00549	1	03/27/2019 17:36	WG1256234
1,2,3-Trichlorobenzene	U		0.000687	0.00275	1	03/27/2019 17:36	WG1256234
1,2,4-Trichlorobenzene	U		0.00529	0.0137	1	03/27/2019 17:36	WG1256234
1,1,1-Trichloroethane	U	J3	0.000302	0.00275	1	03/27/2019 17:36	WG1256234
1,1,2-Trichloroethane	U		0.000970	0.00275	1	03/27/2019 17:36	WG1256234
Trichloroethene	0.00166	J3	0.000439	0.00110	1	03/27/2019 17:36	WG1256234
Trichlorofluoromethane	U	J3 J6	0.000549	0.00275	1	03/27/2019 17:36	WG1256234
1,2,3-Trichloropropane	U		0.00560	0.0137	1	03/27/2019 17:36	WG1256234
1,2,4-Trimethylbenzene	U	J3	0.00127	0.00549	1	03/27/2019 17:36	WG1256234
1,2,3-Trimethylbenzene	U	J3	0.00126	0.00549	1	03/27/2019 17:36	WG1256234
1,3,5-Trimethylbenzene	U	J3	0.00119	0.00549	1	03/27/2019 17:36	WG1256234
Vinyl acetate	U		0.00387	0.0137	1	03/27/2019 17:36	WG1256234
Vinyl chloride	U	J3	0.000750	0.00275	1	03/27/2019 17:36	WG1256234
Xylenes, Total	U	J3	0.00525	0.00714	1	03/27/2019 17:36	WG1256234
(S) Toluene-d8	*106*			*75.0-131*		*03/27/2019 17:36*	WG1256234
(S) Toluene-d8	*94.3*			*75.0-131*		*03/28/2019 16:28*	WG1256911
(S) 4-Bromofluorobenzene	*96.9*			*67.0-138*		*03/27/2019 17:36*	WG1256234
(S) 4-Bromofluorobenzene	*77.2*			*67.0-138*		*03/28/2019 16:28*	WG1256911
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*03/27/2019 17:36*	WG1256234
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*03/28/2019 16:28*	WG1256911

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	1.42	J	1.05	25.0	1	03/28/2019 19:00	WG1257024
Acrylonitrile	U		0.873	5.00	1	03/28/2019 19:00	WG1257024
Benzene	U		0.0896	0.500	1	03/28/2019 19:00	WG1257024
Bromobenzene	U		0.133	0.500	1	03/28/2019 19:00	WG1257024
Bromodichloromethane	U		0.0800	0.500	1	03/28/2019 19:00	WG1257024
Bromochloromethane	U		0.145	0.500	1	03/28/2019 19:00	WG1257024
Bromoform	U		0.186	0.500	1	03/28/2019 19:00	WG1257024
Bromomethane	U		0.157	2.50	1	03/28/2019 19:00	WG1257024
n-Butylbenzene	U		0.143	0.500	1	03/28/2019 19:00	WG1257024
sec-Butylbenzene	U		0.134	0.500	1	03/28/2019 19:00	WG1257024
tert-Butylbenzene	U		0.183	0.500	1	03/28/2019 19:00	WG1257024
Carbon disulfide	U		0.101	0.500	1	03/28/2019 19:00	WG1257024
Carbon tetrachloride	U		0.159	0.500	1	03/28/2019 19:00	WG1257024
Chlorobenzene	U		0.140	0.500	1	03/28/2019 19:00	WG1257024
Chlorodibromomethane	U		0.128	0.500	1	03/28/2019 19:00	WG1257024
Chloroethane	U		0.141	2.50	1	03/28/2019 19:00	WG1257024
Chloroform	U		0.0860	0.500	1	03/28/2019 19:00	WG1257024
Chloromethane	U		0.153	1.25	1	03/28/2019 19:00	WG1257024
2-Chlorotoluene	U		0.111	0.500	1	03/28/2019 19:00	WG1257024
4-Chlorotoluene	U		0.0972	0.500	1	03/28/2019 19:00	WG1257024
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	03/28/2019 19:00	WG1257024
1,2-Dibromoethane	U		0.193	0.500	1	03/28/2019 19:00	WG1257024
Dibromomethane	U		0.117	0.500	1	03/28/2019 19:00	WG1257024
1,2-Dichlorobenzene	U		0.101	0.500	1	03/28/2019 19:00	WG1257024
1,3-Dichlorobenzene	U		0.130	0.500	1	03/28/2019 19:00	WG1257024
1,4-Dichlorobenzene	U		0.121	0.500	1	03/28/2019 19:00	WG1257024
Dichlorodifluoromethane	U		0.127	2.50	1	03/28/2019 19:00	WG1257024
1,1-Dichloroethane	U		0.114	0.500	1	03/28/2019 19:00	WG1257024
1,2-Dichloroethane	U		0.108	0.500	1	03/28/2019 19:00	WG1257024
1,1-Dichloroethene	U		0.188	0.500	1	03/28/2019 19:00	WG1257024
cis-1,2-Dichloroethene	U		0.0933	0.500	1	03/28/2019 19:00	WG1257024
trans-1,2-Dichloroethene	U		0.152	0.500	1	03/28/2019 19:00	WG1257024
1,2-Dichloropropane	U		0.190	0.500	1	03/28/2019 19:00	WG1257024
1,1-Dichloropropene	U		0.128	0.500	1	03/28/2019 19:00	WG1257024
1,3-Dichloropropane	U		0.147	1.00	1	03/28/2019 19:00	WG1257024
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/28/2019 19:00	WG1257024
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/28/2019 19:00	WG1257024
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	03/28/2019 19:00	WG1257024
2,2-Dichloropropane	U		0.0929	0.500	1	03/28/2019 19:00	WG1257024
Di-isopropyl ether	U		0.0924	0.500	1	03/28/2019 19:00	WG1257024
Ethylbenzene	U		0.158	0.500	1	03/28/2019 19:00	WG1257024
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/28/2019 19:00	WG1257024
2-Hexanone	U		0.757	5.00	1	03/28/2019 19:00	WG1257024
n-Hexane	U		0.305	5.00	1	03/28/2019 19:00	WG1257024
Iodomethane	U		0.377	10.0	1	03/28/2019 19:00	WG1257024
Isopropylbenzene	U		0.126	0.500	1	03/28/2019 19:00	WG1257024
p-Isopropyltoluene	U		0.138	0.500	1	03/28/2019 19:00	WG1257024
2-Butanone (MEK)	U		1.28	5.00	1	03/28/2019 19:00	WG1257024
Methylene Chloride	U		1.07	2.50	1	03/28/2019 19:00	WG1257024
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	03/28/2019 19:00	WG1257024
Methyl tert-butyl ether	U		0.102	0.500	1	03/28/2019 19:00	WG1257024
Naphthalene	U		0.174	2.50	1	03/28/2019 19:00	WG1257024
n-Propylbenzene	U		0.162	0.500	1	03/28/2019 19:00	WG1257024
Styrene	U		0.117	0.500	1	03/28/2019 19:00	WG1257024
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/28/2019 19:00	WG1257024
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	03/28/2019 19:00	WG1257024

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	03/28/2019 19:00	WG1257024
Tetrachloroethene	U		0.199	0.500	1	03/28/2019 19:00	WG1257024
Toluene	U		0.412	0.500	1	03/28/2019 19:00	WG1257024
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/28/2019 19:00	WG1257024
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/28/2019 19:00	WG1257024
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/28/2019 19:00	WG1257024
1,1,2-Trichloroethane	U		0.186	0.500	1	03/28/2019 19:00	WG1257024
Trichloroethene	U		0.153	0.500	1	03/28/2019 19:00	WG1257024
Trichlorofluoromethane	U		0.130	2.50	1	03/28/2019 19:00	WG1257024
1,2,3-Trichloropropane	U		0.247	2.50	1	03/28/2019 19:00	WG1257024
1,2,4-Trimethylbenzene	U		0.123	0.500	1	03/28/2019 19:00	WG1257024
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	03/28/2019 19:00	WG1257024
1,3,5-Trimethylbenzene	U		0.124	0.500	1	03/28/2019 19:00	WG1257024
Vinyl acetate	U		0.645	5.00	1	03/28/2019 19:00	WG1257024
Vinyl chloride	U		0.118	0.500	1	03/28/2019 19:00	WG1257024
Xylenes, Total	U		0.316	1.50	1	03/28/2019 19:00	WG1257024
(S) Toluene-d8	*109*			*80.0-120*		*03/28/2019 19:00*	WG1257024
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*03/28/2019 19:00*	WG1257024
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*03/28/2019 19:00*	WG1257024

Method Blank (MB)

(MB) R3396466-1 03/28/19 13:09

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

L1081911-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1081911-01 03/28/19 13:09 • (DUP) R3396466-3 03/28/19 13:09

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	83.9	83.8	1	0.0769		10

Laboratory Control Sample (LCS)

(LCS) R3396466-2 03/28/19 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) R3395717-2 03/27/19 11:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acrylonitrile	U		0.00190	0.0125
Benzene	U		0.000400	0.00100
Bromobenzene	U		0.00105	0.0125
Bromodichloromethane	U		0.000788	0.00250
Bromochloromethane	U		0.00113	0.00500
Bromoform	U		0.00598	0.0250
Bromomethane	U		0.00370	0.0125
n-Butylbenzene	U		0.00384	0.0125
sec-Butylbenzene	U		0.00253	0.0125
tert-Butylbenzene	U		0.00155	0.00500
Carbon disulfide	U		0.00406	0.0125
Carbon tetrachloride	U		0.00108	0.00500
Chlorobenzene	U		0.000573	0.00250
Chlorodibromomethane	U		0.000450	0.00250
Chloroethane	U		0.00108	0.00500
Chloroform	U		0.000415	0.00250
Chloromethane	U		0.00139	0.0125
2-Chlorotoluene	U		0.000920	0.00250
4-Chlorotoluene	U		0.00113	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00510	0.0250
1,2-Dibromoethane	U		0.000525	0.00250
Dibromomethane	U		0.00100	0.00500
1,2-Dichlorobenzene	U		0.00145	0.00500
1,3-Dichlorobenzene	U		0.00170	0.00500
1,4-Dichlorobenzene	U		0.00197	0.00500
trans-1,4-Dichloro-2-butene	U		0.00140	0.00500
Dichlorodifluoromethane	U		0.000818	0.00250
1,1-Dichloroethane	U		0.000575	0.00250
1,2-Dichloroethane	U		0.000475	0.00250
1,1-Dichloroethene	U		0.000500	0.00250
cis-1,2-Dichloroethene	U		0.000690	0.00250
trans-1,2-Dichloroethene	U		0.00143	0.00500
1,2-Dichloropropane	U		0.00127	0.00500
1,1-Dichloropropene	U		0.000700	0.00250
1,3-Dichloropropane	U		0.00175	0.00500
cis-1,3-Dichloropropene	U		0.000678	0.00250
trans-1,3-Dichloropropene	U		0.00153	0.00500
2,2-Dichloropropane	U		0.000793	0.00250
Di-isopropyl ether	U		0.000350	0.00100
Ethylbenzene	U		0.000530	0.00250

Method Blank (MB)

(MB) R3395717-2 03/27/19 11:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Hexachloro-1,3-butadiene	U		0.0127	0.0250
n-Hexane	U		0.00106	0.00500
2-Hexanone	U		0.0100	0.0250
Iodomethane	U		0.00605	0.0125
Isopropylbenzene	U		0.000863	0.00250
p-Isopropyltoluene	U		0.00233	0.00500
2-Butanone (MEK)	U		0.0125	0.0250
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.0100	0.0250
Methyl tert-butyl ether	U		0.000295	0.00100
Naphthalene	U		0.00312	0.0125
n-Propylbenzene	U		0.00118	0.00500
Styrene	U		0.00273	0.0125
1,1,1,2-Tetrachloroethane	U		0.000500	0.00250
1,1,2,2-Tetrachloroethane	U		0.000390	0.00250
Tetrachloroethene	U		0.000700	0.00250
Toluene	U		0.00125	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000675	0.00250
1,2,3-Trichlorobenzene	U		0.000625	0.00250
1,2,4-Trichlorobenzene	U		0.00482	0.0125
1,1,1-Trichloroethane	U		0.000275	0.00250
1,1,2-Trichloroethane	U		0.000883	0.00250
Trichloroethene	U		0.000400	0.00100
Trichlorofluoromethane	U		0.000500	0.00250
1,2,3-Trichloropropane	U		0.00510	0.0125
1,2,3-Trimethylbenzene	U		0.00115	0.00500
1,2,4-Trimethylbenzene	U		0.00116	0.00500
1,3,5-Trimethylbenzene	U		0.00108	0.00500
Vinyl acetate	U		0.00352	0.0125
Vinyl chloride	U		0.000683	0.00250
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	*107*			*75.0-131*
(S) 4-Bromofluorobenzene	*96.9*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*118*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3395717-1 03/27/19 10:19

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acrylonitrile	0.625	0.656	105	45.0-153	
Benzene	0.125	0.120	95.8	70.0-123	
Bromobenzene	0.125	0.110	88.4	73.0-121	
Bromodichloromethane	0.125	0.107	85.5	73.0-121	
Bromochloromethane	0.125	0.0947	75.7	77.0-128	J4
Bromoform	0.125	0.166	132	64.0-132	
Bromomethane	0.125	0.0910	72.8	56.0-147	
n-Butylbenzene	0.125	0.109	87.4	68.0-135	
sec-Butylbenzene	0.125	0.108	86.5	74.0-130	
tert-Butylbenzene	0.125	0.114	91.1	75.0-127	
Carbon disulfide	0.125	0.122	97.6	56.0-133	
Carbon tetrachloride	0.125	0.148	118	66.0-128	
Chlorobenzene	0.125	0.113	90.6	76.0-128	
Chlorodibromomethane	0.125	0.139	111	74.0-127	
Chloroethane	0.125	0.103	82.6	61.0-134	
Chloroform	0.125	0.127	101	72.0-123	
Chloromethane	0.125	0.119	95.4	51.0-138	
2-Chlorotoluene	0.125	0.136	108	75.0-124	
4-Chlorotoluene	0.125	0.107	85.8	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.112	89.7	59.0-130	
1,2-Dibromoethane	0.125	0.109	87.2	74.0-128	
Dibromomethane	0.125	0.149	119	75.0-122	
1,2-Dichlorobenzene	0.125	0.103	82.0	76.0-124	
1,3-Dichlorobenzene	0.125	0.104	83.5	76.0-125	
1,4-Dichlorobenzene	0.125	0.102	82.0	77.0-121	
trans-1,4-Dichloro-2-butene	0.125	0.140	112	45.0-143	
Dichlorodifluoromethane	0.125	0.154	123	43.0-156	
1,1-Dichloroethane	0.125	0.138	111	70.0-127	
1,2-Dichloroethane	0.125	0.142	114	65.0-131	
1,1-Dichloroethene	0.125	0.112	89.8	65.0-131	
cis-1,2-Dichloroethene	0.125	0.154	123	73.0-125	
trans-1,2-Dichloroethene	0.125	0.118	94.1	71.0-125	
1,2-Dichloropropane	0.125	0.119	94.9	74.0-125	
1,1-Dichloropropene	0.125	0.128	102	73.0-125	
1,3-Dichloropropane	0.125	0.124	98.9	80.0-125	
cis-1,3-Dichloropropene	0.125	0.113	90.6	76.0-127	
trans-1,3-Dichloropropene	0.125	0.151	121	73.0-127	
2,2-Dichloropropane	0.125	0.161	128	59.0-135	
Di-isopropyl ether	0.125	0.117	93.3	60.0-136	
Ethylbenzene	0.125	0.122	97.3	74.0-126	

Laboratory Control Sample (LCS)

(LCS) R3395717-1 03/27/19 10:19

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexachloro-1,3-butadiene	0.125	0.117	93.7	57.0-150	
2-Hexanone	0.625	0.702	112	54.0-147	
n-Hexane	0.125	0.132	106	55.0-137	
Iodomethane	0.625	0.720	115	74.0-134	
Isopropylbenzene	0.125	0.118	94.4	72.0-127	
p-Isopropyltoluene	0.125	0.123	98.4	72.0-133	
2-Butanone (MEK)	0.625	0.568	90.8	30.0-160	
Methylene Chloride	0.125	0.107	85.4	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.717	115	56.0-143	
Methyl tert-butyl ether	0.125	0.114	91.0	66.0-132	
Naphthalene	0.125	0.0973	77.9	59.0-130	
n-Propylbenzene	0.125	0.116	92.4	74.0-126	
Styrene	0.125	0.118	94.6	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.141	112	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.146	117	68.0-128	
Tetrachloroethene	0.125	0.114	90.8	70.0-136	
Toluene	0.125	0.106	85.0	75.0-121	
1,1,2-Trichlorotrifluoroethane	0.125	0.112	89.6	61.0-139	
1,2,3-Trichlorobenzene	0.125	0.143	114	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.110	87.9	62.0-137	
1,1,1-Trichloroethane	0.125	0.109	87.4	69.0-126	
1,1,2-Trichloroethane	0.125	0.111	89.0	78.0-123	
Trichloroethene	0.125	0.0978	78.2	76.0-126	
Trichlorofluoromethane	0.125	0.138	110	61.0-142	
1,2,3-Trichloropropane	0.125	0.126	101	67.0-129	
1,2,3-Trimethylbenzene	0.125	0.103	82.3	74.0-124	
1,2,4-Trimethylbenzene	0.125	0.107	85.9	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.102	81.4	73.0-127	
Vinyl acetate	0.625	0.758	121	43.0-159	
Vinyl chloride	0.125	0.130	104	63.0-134	
Xylenes, Total	0.375	0.318	84.8	72.0-127	
(S) Toluene-d8			*105*	*75.0-131*	
(S) 4-Bromofluorobenzene			*98.1*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*110*	*70.0-130*	

L1081910-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1081910-05 03/27/19 17:36 • (MS) R3395717-3 03/27/19 20:39 • (MSD) R3395717-4 03/27/19 20:58

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	0.137	U	0.0709	0.0368	51.6	26.8	1	10.0-149		J3	63.3	37
Acrylonitrile	0.687	U	0.524	0.506	76.3	73.8	1	10.0-160			3.42	40
Bromobenzene	0.137	U	0.0998	0.0680	72.7	49.5	1	10.0-156			37.9	38
Bromodichloromethane	0.137	U	0.103	0.0647	74.7	47.1	1	10.0-143		J3	45.3	37
Bromochloromethane	0.137	U	0.0580	0.0395	42.2	28.8	1	10.0-155		J3	37.9	33
Bromoform	0.137	U	0.166	0.132	121	95.8	1	10.0-146			23.2	36
Bromomethane	0.137	U	0.0358	0.0183	26.1	13.3	1	10.0-149		J3	64.9	38
n-Butylbenzene	0.137	U	0.0889	0.0462	64.8	33.7	1	10.0-160		J3	63.2	40
sec-Butylbenzene	0.137	U	0.0916	0.0462	66.7	33.7	1	10.0-159		J3	65.8	39
tert-Butylbenzene	0.137	U	0.0992	0.0502	72.2	36.5	1	10.0-156		J3	65.6	39
Carbon disulfide	0.137	U	ND	0.00856	0.000	6.23	1	10.0-145	J6	J3 J6	200	39
Carbon tetrachloride	0.137	U	0.0907	0.0394	66.0	28.7	1	10.0-145		J3	78.8	37
Chlorobenzene	0.137	U	0.0912	0.0499	66.4	36.3	1	10.0-152		J3	58.5	39
Chlorodibromomethane	0.137	U	0.135	0.0976	98.5	71.0	1	10.0-146			32.4	37
Chloroethane	0.137	U	0.0571	0.0264	41.6	19.3	1	10.0-146		J3	73.5	40
Chloroform	0.137	U	0.104	0.0541	75.4	39.4	1	10.0-146		J3	62.8	37
Chloromethane	0.137	U	0.0350	0.0173	25.5	12.6	1	10.0-159		J3	67.9	37
2-Chlorotoluene	0.137	U	0.109	0.0655	79.6	47.7	1	10.0-159		J3	50.1	38
1,2-Dibromoethane	0.137	U	0.0922	0.0696	67.1	50.7	1	10.0-148			28.0	34
4-Chlorotoluene	0.137	U	0.0962	0.0549	70.1	40.0	1	10.0-155		J3	54.7	39
1,2-Dibromo-3-Chloropropane	0.137	U	0.111	0.105	81.0	76.5	1	10.0-151			5.64	39
Dibromomethane	0.137	U	0.112	0.0832	81.3	60.6	1	10.0-147			29.2	35
1,2-Dichlorobenzene	0.137	U	0.0919	0.0713	66.9	51.9	1	10.0-155			25.3	37
1,3-Dichlorobenzene	0.137	U	0.0934	0.0618	68.0	45.0	1	10.0-153		J3	40.7	38
1,4-Dichlorobenzene	0.137	U	0.0921	0.0632	67.1	46.0	1	10.0-151			37.3	38
trans-1,4-Dichloro-2-butene	0.137	U	0.179	0.129	130	94.2	1	10.0-152			32.0	36
Dichlorodifluoromethane	0.137	U	0.0955	0.0372	69.5	27.1	1	10.0-160		J3	87.8	35
1,2-Dichloroethane	0.137	U	0.113	0.0805	82.2	58.6	1	10.0-148			33.5	35
1,1-Dichloroethane	0.137	U	0.0895	0.0469	65.2	34.1	1	10.0-147		J3	62.5	37
1,1-Dichloroethene	0.137	U	0.0500	0.0195	36.4	14.2	1	10.0-155		J3	87.6	37
cis-1,2-Dichloroethene	0.137	U	0.120	0.0680	87.3	49.5	1	10.0-149		J3	55.3	37
trans-1,2-Dichloroethene	0.137	U	0.0408	0.0196	29.7	14.3	1	10.0-150		J3	70.2	37
1,2-Dichloropropane	0.137	U	0.0917	0.0542	66.8	39.5	1	10.0-148		J3	51.4	37
1,1-Dichloropropene	0.137	U	0.0544	0.0254	39.6	18.5	1	10.0-153		J3	72.5	35
1,3-Dichloropropane	0.137	U	0.113	0.0824	82.4	60.0	1	10.0-154			31.5	35
cis-1,3-Dichloropropene	0.137	U	0.102	0.0628	74.1	45.7	1	10.0-151		J3	47.3	37
trans-1,3-Dichloropropene	0.137	U	0.130	0.0884	94.4	64.4	1	10.0-148		J3	37.8	37
2,2-Dichloropropane	0.137	U	0.0971	0.0449	70.7	32.7	1	10.0-138		J3	73.6	36
Ethylbenzene	0.137	U	0.0869	0.0444	63.3	32.3	1	10.0-160		J3	64.7	38

L1081910-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1081910-05 03/27/19 17:36 • (MS) R3395717-3 03/27/19 20:39 • (MSD) R3395717-4 03/27/19 20:58

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	0.137	U	0.0987	0.0658	71.9	47.9	1	10.0-147		J3	40.1	36
Hexachloro-1,3-butadiene	0.137	U	0.107	0.0688	78.2	50.1	1	10.0-160		J3	43.9	40
2-Hexanone	0.687	U	0.664	0.581	96.7	84.7	1	10.0-160			13.2	36
Isopropylbenzene	0.137	U	0.0924	0.0454	67.3	33.1	1	10.0-155		J3	68.2	38
n-Hexane	0.137	U	0.0296	0.00688	21.5	5.01	1	10.0-157		J3 J6	124	37
Iodomethane	0.687	U	0.295	0.147	43.0	21.4	1	10.0-160		J3	67.1	38
p-Isopropyltoluene	0.137	U	0.102	0.0546	74.0	39.8	1	10.0-160		J3	60.1	40
2-Butanone (MEK)	0.687	U	0.862	0.767	126	112	1	10.0-160			11.7	40
Methyl tert-butyl ether	0.137	U	0.0898	0.0637	65.4	46.4	1	11.0-147			34.1	35
Methylene Chloride	0.137	U	0.0591	0.0410	43.0	29.8	1	10.0-141			36.2	37
4-Methyl-2-pentanone (MIBK)	0.687	U	0.720	0.631	105	91.8	1	10.0-160			13.2	35
Naphthalene	0.137	U	0.0937	0.0867	68.3	63.1	1	10.0-160			7.83	36
n-Propylbenzene	0.137	U	0.0914	0.0478	66.5	34.8	1	10.0-158		J3	62.7	38
Styrene	0.137	U	0.100	0.0573	73.0	41.8	1	10.0-160		J3	54.5	40
1,1,1,2-Tetrachloroethane	0.137	U	0.129	0.0835	94.0	60.8	1	10.0-149		J3	42.9	39
1,1,2,2-Tetrachloroethane	0.137	U	0.140	0.123	102	89.7	1	10.0-160			12.6	35
Tetrachloroethene	0.137	0.00784	0.0946	0.0599	63.2	37.9	1	10.0-156		J3	45.0	39
Toluene	0.137	U	0.0701	0.0369	51.0	26.9	1	10.0-156		J3	62.1	38
1,1,2-Trichlorotrifluoroethane	0.137	U	0.0686	0.0248	49.9	18.0	1	10.0-160		J3	93.8	36
1,2,3-Trichlorobenzene	0.137	U	0.138	0.110	100	80.4	1	10.0-160			22.0	40
1,2,4-Trichlorobenzene	0.137	U	0.104	0.0736	75.6	53.6	1	10.0-160			33.9	40
1,1,1-Trichloroethane	0.137	U	0.0788	0.0347	57.4	25.3	1	10.0-144		J3	77.6	35
1,1,2-Trichloroethane	0.137	U	0.109	0.0777	79.1	56.6	1	10.0-160			33.2	35
Trichloroethene	0.137	0.00166	0.0680	0.0387	48.3	27.0	1	10.0-156		J3	55.0	38
Trichlorofluoromethane	0.137	U	0.0753	ND	54.8	0.000	1	10.0-160		J3 J6	200	40
1,2,3-Trichloropropane	0.137	U	0.133	0.118	96.7	86.2	1	10.0-156			11.5	35
1,2,4-Trimethylbenzene	0.137	U	0.0883	0.0526	64.3	38.3	1	10.0-160		J3	50.7	36
1,2,3-Trimethylbenzene	0.137	U	0.0886	0.0582	64.5	42.4	1	10.0-160		J3	41.3	36
1,3,5-Trimethylbenzene	0.137	U	0.0830	0.0456	60.4	33.2	1	10.0-160		J3	58.2	38
Vinyl acetate	0.687	U	0.444	0.364	64.7	53.0	1	10.0-128			19.9	40
Xylenes, Total	0.412	U	0.228	0.116	55.3	28.2	1	10.0-160		J3	64.9	38
Vinyl chloride	0.137	U	0.0441	0.0169	32.1	12.3	1	10.0-160		J3	89.2	37
(S) Toluene-d8					*101*	*101*		*75.0-131*				
(S) 4-Bromofluorobenzene					*99.2*	*96.6*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*115*	*121*		*70.0-130*				

Method Blank (MB)

(MB) R3396246-2 03/27/19 23:04

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acrylonitrile	U		0.00190	0.0125
Benzene	U		0.000400	0.00100
Bromobenzene	U		0.00105	0.0125
Bromodichloromethane	U		0.000788	0.00250
Bromochloromethane	U		0.00113	0.00500
Bromoform	U		0.00598	0.0250
Bromomethane	U		0.00370	0.0125
n-Butylbenzene	U		0.00384	0.0125
sec-Butylbenzene	U		0.00253	0.0125
tert-Butylbenzene	U		0.00155	0.00500
Carbon disulfide	U		0.00406	0.0125
Carbon tetrachloride	U		0.00108	0.00500
Chlorobenzene	U		0.000573	0.00250
Chlorodibromomethane	U		0.000450	0.00250
Chloroethane	U		0.00108	0.00500
Chloroform	U		0.000415	0.00250
Chloromethane	U		0.00139	0.0125
2-Chlorotoluene	U		0.000920	0.00250
4-Chlorotoluene	U		0.00113	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00510	0.0250
1,2-Dibromoethane	U		0.000525	0.00250
Dibromomethane	U		0.00100	0.00500
1,2-Dichlorobenzene	U		0.00145	0.00500
1,3-Dichlorobenzene	U		0.00170	0.00500
1,4-Dichlorobenzene	U		0.00197	0.00500
trans-1,4-Dichloro-2-butene	U		0.00140	0.00500
Dichlorodifluoromethane	U		0.000818	0.00250
1,1-Dichloroethane	U		0.000575	0.00250
1,2-Dichloroethane	U		0.000475	0.00250
1,1-Dichloroethene	U		0.000500	0.00250
cis-1,2-Dichloroethene	U		0.000690	0.00250
trans-1,2-Dichloroethene	U		0.00143	0.00500
1,2-Dichloropropane	U		0.00127	0.00500
1,1-Dichloropropene	U		0.000700	0.00250
1,3-Dichloropropane	U		0.00175	0.00500
cis-1,3-Dichloropropene	U		0.000678	0.00250
trans-1,3-Dichloropropene	U		0.00153	0.00500
2,2-Dichloropropane	U		0.000793	0.00250
Di-isopropyl ether	U		0.000350	0.00100
Ethylbenzene	U		0.000530	0.00250

Method Blank (MB)

(MB) R3396246-2 03/27/19 23:04

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Hexachloro-1,3-butadiene	U		0.0127	0.0250
n-Hexane	U		0.00106	0.00500
2-Hexanone	U		0.0100	0.0250
Iodomethane	U		0.00605	0.0125
Isopropylbenzene	U		0.000863	0.00250
p-Isopropyltoluene	U		0.00233	0.00500
2-Butanone (MEK)	U		0.0125	0.0250
Methylene Chloride	0.00758	J	0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.0100	0.0250
Methyl tert-butyl ether	U		0.000295	0.00100
Naphthalene	U		0.00312	0.0125
n-Propylbenzene	U		0.00118	0.00500
Styrene	U		0.00273	0.0125
1,1,1,2-Tetrachloroethane	U		0.000500	0.00250
1,1,2,2-Tetrachloroethane	U		0.000390	0.00250
Tetrachloroethene	U		0.000700	0.00250
Toluene	U		0.00125	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000675	0.00250
1,2,3-Trichlorobenzene	U		0.000625	0.00250
1,2,4-Trichlorobenzene	U		0.00482	0.0125
1,1,1-Trichloroethane	U		0.000275	0.00250
1,1,2-Trichloroethane	U		0.000883	0.00250
Trichloroethene	U		0.000400	0.00100
Trichlorofluoromethane	U		0.000500	0.00250
1,2,3-Trichloropropane	U		0.00510	0.0125
1,2,3-Trimethylbenzene	U		0.00115	0.00500
1,2,4-Trimethylbenzene	U		0.00116	0.00500
1,3,5-Trimethylbenzene	U		0.00108	0.00500
Vinyl acetate	U		0.00352	0.0125
Vinyl chloride	U		0.000683	0.00250
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	*103*			*75.0-131*
(S) 4-Bromofluorobenzene	*98.9*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*124*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3396246-1 03/27/19 21:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acrylonitrile	0.625	0.646	103	45.0-153	
Benzene	0.125	0.116	93.2	70.0-123	
Bromobenzene	0.125	0.111	89.0	73.0-121	
Bromodichloromethane	0.125	0.119	95.2	73.0-121	
Bromochloromethane	0.125	0.0956	76.4	77.0-128	J4
Bromoform	0.125	0.177	141	64.0-132	J4
Bromomethane	0.125	0.0895	71.6	56.0-147	
n-Butylbenzene	0.125	0.102	81.2	68.0-135	
sec-Butylbenzene	0.125	0.104	83.2	74.0-130	
tert-Butylbenzene	0.125	0.111	88.7	75.0-127	
Carbon disulfide	0.125	0.109	87.5	56.0-133	
Carbon tetrachloride	0.125	0.155	124	66.0-128	
Chlorobenzene	0.125	0.113	90.2	76.0-128	
Chlorodibromomethane	0.125	0.146	117	74.0-127	
Chloroethane	0.125	0.104	83.0	61.0-134	
Chloroform	0.125	0.139	111	72.0-123	
Chloromethane	0.125	0.127	101	51.0-138	
2-Chlorotoluene	0.125	0.128	103	75.0-124	
4-Chlorotoluene	0.125	0.106	85.2	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.118	94.6	59.0-130	
1,2-Dibromoethane	0.125	0.112	89.7	74.0-128	
Dibromomethane	0.125	0.154	124	75.0-122	J4
1,2-Dichlorobenzene	0.125	0.102	82.0	76.0-124	
1,3-Dichlorobenzene	0.125	0.103	82.2	76.0-125	
1,4-Dichlorobenzene	0.125	0.100	80.4	77.0-121	
trans-1,4-Dichloro-2-butene	0.125	0.178	143	45.0-143	
Dichlorodifluoromethane	0.125	0.169	135	43.0-156	
1,1-Dichloroethane	0.125	0.144	115	70.0-127	
1,2-Dichloroethane	0.125	0.165	132	65.0-131	J4
1,1-Dichloroethene	0.125	0.117	93.3	65.0-131	
cis-1,2-Dichloroethene	0.125	0.152	121	73.0-125	
trans-1,2-Dichloroethene	0.125	0.113	90.6	71.0-125	
1,2-Dichloropropane	0.125	0.121	96.5	74.0-125	
1,1-Dichloropropene	0.125	0.126	100	73.0-125	
1,3-Dichloropropane	0.125	0.128	102	80.0-125	
cis-1,3-Dichloropropene	0.125	0.120	96.4	76.0-127	
trans-1,3-Dichloropropene	0.125	0.155	124	73.0-127	
2,2-Dichloropropane	0.125	0.166	133	59.0-135	
Di-isopropyl ether	0.125	0.120	95.7	60.0-136	
Ethylbenzene	0.125	0.120	96.2	74.0-126	

Laboratory Control Sample (LCS)

(LCS) R3396246-1 03/27/19 21:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexachloro-1,3-butadiene	0.125	0.121	96.7	57.0-150	
2-Hexanone	0.625	0.705	113	54.0-147	
n-Hexane	0.125	0.123	98.0	55.0-137	
Iodomethane	0.625	0.779	125	74.0-134	
Isopropylbenzene	0.125	0.119	95.3	72.0-127	
p-Isopropyltoluene	0.125	0.119	94.8	72.0-133	
2-Butanone (MEK)	0.625	0.705	113	30.0-160	
Methylene Chloride	0.125	0.0976	78.1	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.765	122	56.0-143	
Methyl tert-butyl ether	0.125	0.117	93.7	66.0-132	
Naphthalene	0.125	0.0930	74.4	59.0-130	
n-Propylbenzene	0.125	0.112	89.3	74.0-126	
Styrene	0.125	0.119	95.6	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.149	119	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.136	109	68.0-128	
Tetrachloroethene	0.125	0.113	90.3	70.0-136	
Toluene	0.125	0.107	85.2	75.0-121	
1,1,2-Trichlorotrifluoroethane	0.125	0.102	81.5	61.0-139	
1,2,3-Trichlorobenzene	0.125	0.140	112	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.107	85.6	62.0-137	
1,1,1-Trichloroethane	0.125	0.119	94.8	69.0-126	
1,1,2-Trichloroethane	0.125	0.115	92.2	78.0-123	
Trichloroethene	0.125	0.103	82.8	76.0-126	
Trichlorofluoromethane	0.125	0.160	128	61.0-142	
1,2,3-Trichloropropane	0.125	0.135	108	67.0-129	
1,2,3-Trimethylbenzene	0.125	0.105	84.2	74.0-124	
1,2,4-Trimethylbenzene	0.125	0.104	83.6	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.102	81.6	73.0-127	
Vinyl acetate	0.625	0.640	102	43.0-159	
Vinyl chloride	0.125	0.125	99.9	63.0-134	
Xylenes, Total	0.375	0.312	83.2	72.0-127	
(S) Toluene-d8			*104*	*75.0-131*	
(S) 4-Bromofluorobenzene			*100*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*118*	*70.0-130*	

Method Blank (MB)

(MB) R3396167-2 03/28/19 10:26

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0137	0.0250
1,2,4-Trimethylbenzene	U		0.00116	0.00500
(S) Toluene-d8	*93.8*			*75.0-131*
(S) 4-Bromofluorobenzene	*82.4*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3396167-1 03/28/19 09:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	1.00	160	10.0-160	
1,2,4-Trimethylbenzene	0.125	0.0928	74.2	70.0-126	
(S) Toluene-d8			*93.9*	*75.0-131*	
(S) 4-Bromofluorobenzene			*95.4*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*113*	*70.0-130*	

Method Blank (MB)

(MB) R3396468-2 03/28/19 10:26

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0137	0.0250
(S) Toluene-d8	*93.8*			*75.0-131*
(S) 4-Bromofluorobenzene	*82.4*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3396468-1 03/28/19 09:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	1.00	160	10.0-160	
(S) Toluene-d8			*93.9*	*75.0-131*	
(S) 4-Bromofluorobenzene			*95.4*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*113*	*70.0-130*	

Method Blank (MB)

(MB) R3396514-2 03/28/19 12:16

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
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
Carbon disulfide	U		0.101	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
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) R3396514-2 03/28/19 12:16

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
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
Methylene Chloride	U		1.07	2.50
n-Propylbenzene	U		0.162	0.500
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
Styrene	U		0.117	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	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
1,1,1-Trichloroethane	U		0.0940	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,1,2-Trichloroethane	U		0.186	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Trichloroethene	U		0.153	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	*107*			*80.0-120*
(S) 4-Bromofluorobenzene	*97.7*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*97.7*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3396514-1 03/28/19 11:36

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acrylonitrile	125	144	115	55.0-149	
Bromobenzene	25.0	24.8	99.4	73.0-121	
Bromochloromethane	25.0	28.7	115	76.0-122	
n-Butylbenzene	25.0	24.5	98.1	73.0-125	
sec-Butylbenzene	25.0	25.5	102	75.0-125	
tert-Butylbenzene	25.0	25.5	102	76.0-124	
Acetone	125	144	116	19.0-160	
Benzene	25.0	26.5	106	70.0-123	
Bromodichloromethane	25.0	25.2	101	75.0-120	
2-Chlorotoluene	25.0	24.8	99.1	76.0-123	
4-Chlorotoluene	25.0	25.4	102	75.0-122	
Bromoform	25.0	25.3	101	68.0-132	
1,2-Dibromo-3-Chloropropane	25.0	23.1	92.5	58.0-134	
Bromomethane	25.0	19.3	77.3	10.0-160	
1,2-Dibromoethane	25.0	26.2	105	80.0-122	
Dibromomethane	25.0	25.8	103	80.0-120	
1,2-Dichlorobenzene	25.0	24.3	97.3	79.0-121	
1,3-Dichlorobenzene	25.0	26.4	105	79.0-120	
Carbon disulfide	25.0	27.1	108	61.0-128	
1,4-Dichlorobenzene	25.0	24.7	99.0	79.0-120	
Carbon tetrachloride	25.0	26.8	107	68.0-126	
Chlorobenzene	25.0	26.6	107	80.0-121	
Dichlorodifluoromethane	25.0	31.9	127	51.0-149	
Chlorodibromomethane	25.0	25.3	101	77.0-125	
Chloroethane	25.0	23.3	93.1	47.0-150	
Chloroform	25.0	26.4	106	73.0-120	
Chloromethane	25.0	27.4	109	41.0-142	
1,1-Dichloropropene	25.0	27.9	112	74.0-126	
1,3-Dichloropropane	25.0	25.9	103	80.0-120	
trans-1,4-Dichloro-2-butene	25.0	21.9	87.7	33.0-144	
2,2-Dichloropropane	25.0	25.5	102	58.0-130	
Di-isopropyl ether	25.0	29.2	117	58.0-138	
1,1-Dichloroethane	25.0	27.8	111	70.0-126	
Hexachloro-1,3-butadiene	25.0	26.8	107	54.0-138	
1,2-Dichloroethane	25.0	24.8	99.2	70.0-128	
1,1-Dichloroethene	25.0	27.8	111	71.0-124	
n-Hexane	25.0	28.0	112	57.0-133	
cis-1,2-Dichloroethene	25.0	27.3	109	73.0-120	
Iodomethane	125	125	99.8	33.0-147	
Isopropylbenzene	25.0	26.2	105	76.0-127	

Laboratory Control Sample (LCS)

(LCS) R3396514-1 03/28/19 11:36

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
trans-1,2-Dichloroethene	25.0	26.9	108	73.0-120	
1,2-Dichloropropane	25.0	28.0	112	77.0-125	
p-Isopropyltoluene	25.0	26.1	104	76.0-125	
cis-1,3-Dichloropropene	25.0	25.7	103	80.0-123	
Methyl tert-butyl ether	25.0	24.7	98.6	68.0-125	
trans-1,3-Dichloropropene	25.0	25.9	104	78.0-124	
Naphthalene	25.0	24.3	97.0	54.0-135	
n-Propylbenzene	25.0	27.5	110	77.0-124	
1,1,1,2-Tetrachloroethane	25.0	25.7	103	75.0-125	
Ethylbenzene	25.0	26.3	105	79.0-123	
1,1,2-Trichlorotrifluoroethane	25.0	27.6	110	69.0-132	
2-Hexanone	125	139	111	67.0-149	
1,2,3-Trichlorobenzene	25.0	26.4	106	50.0-138	
1,2,4-Trichlorobenzene	25.0	26.5	106	57.0-137	
2-Butanone (MEK)	125	151	120	44.0-160	
Methylene Chloride	25.0	25.4	102	67.0-120	
4-Methyl-2-pentanone (MIBK)	125	140	112	68.0-142	
Trichlorofluoromethane	25.0	26.1	104	59.0-147	
1,2,3-Trichloropropane	25.0	26.2	105	73.0-130	
1,2,4-Trimethylbenzene	25.0	25.9	104	76.0-121	
1,2,3-Trimethylbenzene	25.0	25.6	102	77.0-120	
1,3,5-Trimethylbenzene	25.0	25.1	101	76.0-122	
Styrene	25.0	27.1	108	73.0-130	
Vinyl acetate	125	140	112	11.0-160	
1,1,2,2-Tetrachloroethane	25.0	26.3	105	65.0-130	
Tetrachloroethene	25.0	26.7	107	72.0-132	
Toluene	25.0	25.4	102	79.0-120	
1,1,1-Trichloroethane	25.0	26.3	105	73.0-124	
1,1,2-Trichloroethane	25.0	26.0	104	80.0-120	
Trichloroethene	25.0	28.3	113	78.0-124	
Vinyl chloride	25.0	28.1	113	67.0-131	
Xylenes, Total	75.0	79.8	106	79.0-123	
(S) Toluene-d8			*102*	*80.0-120*	
(S) 4-Bromofluorobenzene			*98.8*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*107*	*70.0-130*	

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

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

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

State Accreditations

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

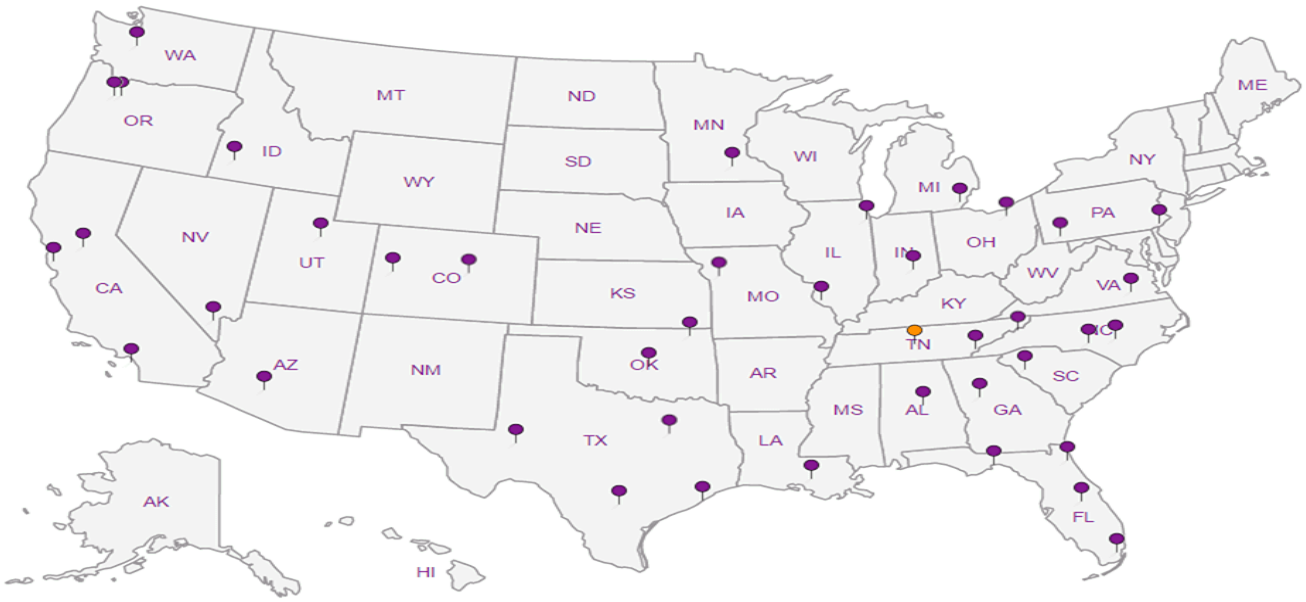
Third Party Federal Accreditations

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

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

Our Locations

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



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Report to:
Brian O'Neal/Bill Haldeman

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

Project Description: American Linen

City/State Collected: SEATTLE WA

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

Client Project # 1413.001.05.501

Lab Project # PESENVSWA-ALP

Collected by (print): SHANNON McKERNAN/R. McLAUGHLIN

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N X Y ___

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

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs 8260C 40mlAmb/MeOH5ml/Syr	dry weight 2ozClr-NoPres	trip blk VOCs (LLC) 40mlAmb-HCl-Blk	RCRA 8 METALS (ANALYSIS 3/22/19)	Remarks	Sample # (lab only)
B13D13-10	GRAB	~~SSGW~~	10	3/21/19	1148	2	X	X		X		-01
B13D13-20		~~SSGW~~	20		1150					X		-02
B13D13-30		~~SSGW~~	30		1438					X		-03
B13D13-40	X	~~SSGW~~	40	X	1444					X		-04
B13D13-50	GRAB	~~SSGW~~	50	3/21/19	1447	2	X	X				-05
TB-032219	—	~~SSGW~~	—	3/22/19	0800				X			-06

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

Remarks: ~~RUSH (48hr) TURN ON THE METALS~~ ANALYSIS

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 4876 1076 8473

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	3/22/19	0900	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	3/22/19	0900	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No HCL / MeoH TBR

Temp: 3.0-.2=2.8 °C Bottles Received: 10

Date: 3/23/19 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

RAD SCREEN: <0.5 mR/hr

Chain of Custody Page 1 of 1

Pace Analytical
National Center for Testing & Innovation

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

L# L1081910

F244

Acctnum: PESENVSWA
Template: T145466
Prelogin: P691113
TSR: 110 - Brian Ford
PB:
Shipped Via:

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

April 02, 2019

PES Environmental, Inc.- WA

Sample Delivery Group:	L1082393
Samples Received:	03/26/2019
Project Number:	1413.001.05.501
Description:	American Linen
Report To:	Brian O'Neal/Bill Haldeman
	1215 Fourth Ave., Suite 1350
	Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



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B18D18-10 L1082393-01 Solid

Collected by: KZ | Collected date/time: 03/22/19 13:30 | Received date/time: 03/26/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1257599	1	03/29/19 10:18	03/29/19 10:27	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1258093	1	03/22/19 13:30	03/30/19 03:57	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1258804	1	03/22/19 13:30	04/01/19 12:20	BMB	Mt. Juliet, TN

B18D18-20 L1082393-02 Solid

Collected by: KZ | Collected date/time: 03/22/19 13:35 | Received date/time: 03/26/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1257599	1	03/29/19 10:18	03/29/19 10:27	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1258093	1	03/22/19 13:35	03/30/19 04:16	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1258804	1	03/22/19 13:35	04/01/19 12:40	BMB	Mt. Juliet, TN

B18D18-30 L1082393-03 Solid

Collected by: KZ | Collected date/time: 03/22/19 15:25 | Received date/time: 03/26/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1257599	1	03/29/19 10:18	03/29/19 10:27	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1258093	1	03/22/19 15:25	03/30/19 04:35	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1258511	1	03/22/19 15:25	03/31/19 23:56	DWR	Mt. Juliet, TN

B18D18-40 L1082393-04 Solid

Collected by: KZ | Collected date/time: 03/22/19 17:20 | Received date/time: 03/26/19 08:45

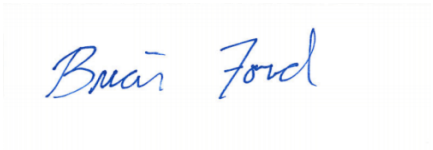
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1257599	1	03/29/19 10:18	03/29/19 10:27	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1258093	1	03/22/19 17:20	03/30/19 04:55	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1258511	1	03/22/19 17:20	04/01/19 00:15	DWR	Mt. Juliet, TN

B18D18-50 L1082393-05 Solid

Collected by: KZ | Collected date/time: 03/22/19 17:30 | Received date/time: 03/26/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1257599	1	03/29/19 10:18	03/29/19 10:27	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1258093	1	03/22/19 17:30	03/30/19 05:14	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1258511	1	03/22/19 17:30	04/01/19 00:35	DWR	Mt. Juliet, TN

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



Brian Ford
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.7		1	03/29/2019 10:27	WG1257599

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0160	0.0292	1	04/01/2019 12:20	WG1258804
Acrylonitrile	U	J0	0.00222	0.0146	1	03/30/2019 03:57	WG1258093
Benzene	U		0.000467	0.00117	1	03/30/2019 03:57	WG1258093
Bromobenzene	U		0.00123	0.0146	1	03/30/2019 03:57	WG1258093
Bromodichloromethane	U		0.000919	0.00292	1	03/30/2019 03:57	WG1258093
Bromochloromethane	U	J4	0.00132	0.00583	1	03/30/2019 03:57	WG1258093
Bromoform	U		0.00698	0.0292	1	03/30/2019 03:57	WG1258093
Bromomethane	U	J0	0.00432	0.0146	1	03/30/2019 03:57	WG1258093
n-Butylbenzene	U		0.00448	0.0146	1	03/30/2019 03:57	WG1258093
sec-Butylbenzene	U		0.00295	0.0146	1	03/30/2019 03:57	WG1258093
tert-Butylbenzene	U		0.00181	0.00583	1	03/30/2019 03:57	WG1258093
Carbon disulfide	U		0.00474	0.0146	1	03/30/2019 03:57	WG1258093
Carbon tetrachloride	U		0.00126	0.00583	1	03/30/2019 03:57	WG1258093
Chlorobenzene	U		0.000669	0.00292	1	03/30/2019 03:57	WG1258093
Chlorodibromomethane	U		0.000525	0.00292	1	03/30/2019 03:57	WG1258093
Chloroethane	U	J0	0.00126	0.00583	1	03/30/2019 03:57	WG1258093
Chloroform	U		0.000484	0.00292	1	03/30/2019 03:57	WG1258093
Chloromethane	U		0.00162	0.0146	1	03/30/2019 03:57	WG1258093
2-Chlorotoluene	U		0.00107	0.00292	1	03/30/2019 03:57	WG1258093
4-Chlorotoluene	U	J0	0.00132	0.00583	1	03/30/2019 03:57	WG1258093
1,2-Dibromo-3-Chloropropane	U		0.00595	0.0292	1	03/30/2019 03:57	WG1258093
1,2-Dibromoethane	U		0.000613	0.00292	1	03/30/2019 03:57	WG1258093
Dibromomethane	U		0.00117	0.00583	1	03/30/2019 03:57	WG1258093
1,2-Dichlorobenzene	U		0.00169	0.00583	1	03/30/2019 03:57	WG1258093
1,3-Dichlorobenzene	U		0.00198	0.00583	1	03/30/2019 03:57	WG1258093
1,4-Dichlorobenzene	U	J4	0.00230	0.00583	1	03/30/2019 03:57	WG1258093
Dichlorodifluoromethane	U		0.000954	0.00292	1	03/30/2019 03:57	WG1258093
1,1-Dichloroethane	U		0.000671	0.00292	1	03/30/2019 03:57	WG1258093
1,2-Dichloroethane	U		0.000554	0.00292	1	03/30/2019 03:57	WG1258093
1,1-Dichloroethene	U		0.000583	0.00292	1	03/30/2019 03:57	WG1258093
cis-1,2-Dichloroethene	U		0.000805	0.00292	1	03/30/2019 03:57	WG1258093
trans-1,2-Dichloroethene	U		0.00167	0.00583	1	03/30/2019 03:57	WG1258093
1,2-Dichloropropane	U		0.00148	0.00583	1	03/30/2019 03:57	WG1258093
1,1-Dichloropropene	U		0.000817	0.00292	1	03/30/2019 03:57	WG1258093
1,3-Dichloropropane	U		0.00204	0.00583	1	03/30/2019 03:57	WG1258093
cis-1,3-Dichloropropene	U		0.000791	0.00292	1	03/30/2019 03:57	WG1258093
trans-1,3-Dichloropropene	U		0.00179	0.00583	1	03/30/2019 03:57	WG1258093
trans-1,4-Dichloro-2-butene	U		0.00163	0.00583	1	03/30/2019 03:57	WG1258093
2,2-Dichloropropane	U		0.000925	0.00292	1	03/30/2019 03:57	WG1258093
Di-isopropyl ether	U	J0	0.000408	0.00117	1	03/30/2019 03:57	WG1258093
Ethylbenzene	U		0.000618	0.00292	1	03/30/2019 03:57	WG1258093
Hexachloro-1,3-butadiene	U		0.0148	0.0292	1	03/30/2019 03:57	WG1258093
2-Hexanone	U		0.0117	0.0292	1	03/30/2019 03:57	WG1258093
n-Hexane	0.00737		0.00124	0.00583	1	03/30/2019 03:57	WG1258093
Iodomethane	U		0.00706	0.0146	1	03/30/2019 03:57	WG1258093
Isopropylbenzene	U		0.00101	0.00292	1	03/30/2019 03:57	WG1258093
p-Isopropyltoluene	U		0.00272	0.00583	1	03/30/2019 03:57	WG1258093
2-Butanone (MEK)	U		0.0146	0.0292	1	03/30/2019 03:57	WG1258093
Methylene Chloride	U		0.00775	0.0292	1	03/30/2019 03:57	WG1258093
4-Methyl-2-pentanone (MIBK)	U		0.0117	0.0292	1	03/30/2019 03:57	WG1258093

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000344	0.00117	1	03/30/2019 03:57	WG1258093
Naphthalene	U		0.00364	0.0146	1	03/30/2019 03:57	WG1258093
n-Propylbenzene	U		0.00138	0.00583	1	03/30/2019 03:57	WG1258093
Styrene	U		0.00319	0.0146	1	03/30/2019 03:57	WG1258093
1,1,1,2-Tetrachloroethane	U		0.000583	0.00292	1	03/30/2019 03:57	WG1258093
1,1,2,2-Tetrachloroethane	U		0.000455	0.00292	1	03/30/2019 03:57	WG1258093
1,1,2-Trichlorotrifluoroethane	U		0.000788	0.00292	1	03/30/2019 03:57	WG1258093
Tetrachloroethene	0.00519		0.000817	0.00292	1	03/30/2019 03:57	WG1258093
Toluene	U		0.00146	0.00583	1	03/30/2019 03:57	WG1258093
1,2,3-Trichlorobenzene	U		0.000729	0.00292	1	03/30/2019 03:57	WG1258093
1,2,4-Trichlorobenzene	U		0.00562	0.0146	1	03/30/2019 03:57	WG1258093
1,1,1-Trichloroethane	U		0.000321	0.00292	1	03/30/2019 03:57	WG1258093
1,1,2-Trichloroethane	U		0.00103	0.00292	1	03/30/2019 03:57	WG1258093
Trichloroethene	U	J4	0.000467	0.00117	1	03/30/2019 03:57	WG1258093
Trichlorofluoromethane	U		0.000583	0.00292	1	03/30/2019 03:57	WG1258093
1,2,3-Trichloropropane	U		0.00595	0.0146	1	03/30/2019 03:57	WG1258093
1,2,4-Trimethylbenzene	U		0.00135	0.00583	1	03/30/2019 03:57	WG1258093
1,2,3-Trimethylbenzene	U		0.00134	0.00583	1	03/30/2019 03:57	WG1258093
1,3,5-Trimethylbenzene	U		0.00126	0.00583	1	03/30/2019 03:57	WG1258093
Vinyl acetate	U	J0	0.00411	0.0146	1	03/30/2019 03:57	WG1258093
Vinyl chloride	U		0.000797	0.00292	1	03/30/2019 03:57	WG1258093
Xylenes, Total	U	J4	0.00558	0.00758	1	03/30/2019 03:57	WG1258093
(S) Toluene-d8	*105*			*75.0-131*		*03/30/2019 03:57*	WG1258093
(S) Toluene-d8	*92.6*			*75.0-131*		*04/01/2019 12:20*	WG1258804
(S) 4-Bromofluorobenzene	*96.5*			*67.0-138*		*03/30/2019 03:57*	WG1258093
(S) 4-Bromofluorobenzene	*79.3*			*67.0-138*		*04/01/2019 12:20*	WG1258804
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*03/30/2019 03:57*	WG1258093
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*04/01/2019 12:20*	WG1258804

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.9		1	03/29/2019 10:27	WG1257599

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0152	0.0278	1	04/01/2019 12:40	WG1258804
Acrylonitrile	U	J0	0.00211	0.0139	1	03/30/2019 04:16	WG1258093
Benzene	0.000467	J	0.000445	0.00111	1	03/30/2019 04:16	WG1258093
Bromobenzene	U		0.00117	0.0139	1	03/30/2019 04:16	WG1258093
Bromodichloromethane	U		0.000876	0.00278	1	03/30/2019 04:16	WG1258093
Bromochloromethane	U	J4	0.00126	0.00556	1	03/30/2019 04:16	WG1258093
Bromoform	U		0.00665	0.0278	1	03/30/2019 04:16	WG1258093
Bromomethane	U	J0	0.00411	0.0139	1	03/30/2019 04:16	WG1258093
n-Butylbenzene	U		0.00427	0.0139	1	03/30/2019 04:16	WG1258093
sec-Butylbenzene	U		0.00281	0.0139	1	03/30/2019 04:16	WG1258093
tert-Butylbenzene	U		0.00172	0.00556	1	03/30/2019 04:16	WG1258093
Carbon disulfide	U		0.00451	0.0139	1	03/30/2019 04:16	WG1258093
Carbon tetrachloride	U		0.00120	0.00556	1	03/30/2019 04:16	WG1258093
Chlorobenzene	U		0.000637	0.00278	1	03/30/2019 04:16	WG1258093
Chlorodibromomethane	U		0.000500	0.00278	1	03/30/2019 04:16	WG1258093
Chloroethane	U	J0	0.00120	0.00556	1	03/30/2019 04:16	WG1258093
Chloroform	U		0.000461	0.00278	1	03/30/2019 04:16	WG1258093
Chloromethane	U		0.00155	0.0139	1	03/30/2019 04:16	WG1258093
2-Chlorotoluene	U		0.00102	0.00278	1	03/30/2019 04:16	WG1258093
4-Chlorotoluene	U	J0	0.00126	0.00556	1	03/30/2019 04:16	WG1258093
1,2-Dibromo-3-Chloropropane	U		0.00567	0.0278	1	03/30/2019 04:16	WG1258093
1,2-Dibromoethane	U		0.000584	0.00278	1	03/30/2019 04:16	WG1258093
Dibromomethane	U		0.00111	0.00556	1	03/30/2019 04:16	WG1258093
1,2-Dichlorobenzene	U		0.00161	0.00556	1	03/30/2019 04:16	WG1258093
1,3-Dichlorobenzene	U		0.00189	0.00556	1	03/30/2019 04:16	WG1258093
1,4-Dichlorobenzene	U	J4	0.00219	0.00556	1	03/30/2019 04:16	WG1258093
Dichlorodifluoromethane	U		0.000910	0.00278	1	03/30/2019 04:16	WG1258093
1,1-Dichloroethane	U		0.000639	0.00278	1	03/30/2019 04:16	WG1258093
1,2-Dichloroethane	U		0.000528	0.00278	1	03/30/2019 04:16	WG1258093
1,1-Dichloroethene	U		0.000556	0.00278	1	03/30/2019 04:16	WG1258093
cis-1,2-Dichloroethene	0.0319		0.000767	0.00278	1	03/30/2019 04:16	WG1258093
trans-1,2-Dichloroethene	U		0.00159	0.00556	1	03/30/2019 04:16	WG1258093
1,2-Dichloropropane	U		0.00141	0.00556	1	03/30/2019 04:16	WG1258093
1,1-Dichloropropene	U		0.000778	0.00278	1	03/30/2019 04:16	WG1258093
1,3-Dichloropropane	U		0.00195	0.00556	1	03/30/2019 04:16	WG1258093
cis-1,3-Dichloropropene	U		0.000754	0.00278	1	03/30/2019 04:16	WG1258093
trans-1,3-Dichloropropene	U		0.00170	0.00556	1	03/30/2019 04:16	WG1258093
trans-1,4-Dichloro-2-butene	U		0.00156	0.00556	1	03/30/2019 04:16	WG1258093
2,2-Dichloropropane	U		0.000882	0.00278	1	03/30/2019 04:16	WG1258093
Di-isopropyl ether	U	J0	0.000389	0.00111	1	03/30/2019 04:16	WG1258093
Ethylbenzene	U		0.000589	0.00278	1	03/30/2019 04:16	WG1258093
Hexachloro-1,3-butadiene	U		0.0141	0.0278	1	03/30/2019 04:16	WG1258093
2-Hexanone	U		0.0111	0.0278	1	03/30/2019 04:16	WG1258093
n-Hexane	0.00647		0.00118	0.00556	1	03/30/2019 04:16	WG1258093
Iodomethane	U		0.00673	0.0139	1	03/30/2019 04:16	WG1258093
Isopropylbenzene	U		0.000960	0.00278	1	03/30/2019 04:16	WG1258093
p-Isopropyltoluene	U		0.00259	0.00556	1	03/30/2019 04:16	WG1258093
2-Butanone (MEK)	0.116		0.0139	0.0278	1	03/30/2019 04:16	WG1258093
Methylene Chloride	U		0.00738	0.0278	1	03/30/2019 04:16	WG1258093
4-Methyl-2-pentanone (MIBK)	U		0.0111	0.0278	1	03/30/2019 04:16	WG1258093

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000328	0.00111	1	03/30/2019 04:16	WG1258093
Naphthalene	U		0.00347	0.0139	1	03/30/2019 04:16	WG1258093
n-Propylbenzene	U		0.00131	0.00556	1	03/30/2019 04:16	WG1258093
Styrene	U		0.00304	0.0139	1	03/30/2019 04:16	WG1258093
1,1,1,2-Tetrachloroethane	U		0.000556	0.00278	1	03/30/2019 04:16	WG1258093
1,1,2,2-Tetrachloroethane	U		0.000434	0.00278	1	03/30/2019 04:16	WG1258093
1,1,2-Trichlorotrifluoroethane	U		0.000751	0.00278	1	03/30/2019 04:16	WG1258093
Tetrachloroethene	0.00911		0.000778	0.00278	1	03/30/2019 04:16	WG1258093
Toluene	U		0.00139	0.00556	1	03/30/2019 04:16	WG1258093
1,2,3-Trichlorobenzene	U		0.000695	0.00278	1	03/30/2019 04:16	WG1258093
1,2,4-Trichlorobenzene	U		0.00536	0.0139	1	03/30/2019 04:16	WG1258093
1,1,1-Trichloroethane	U		0.000306	0.00278	1	03/30/2019 04:16	WG1258093
1,1,2-Trichloroethane	U		0.000982	0.00278	1	03/30/2019 04:16	WG1258093
Trichloroethene	U	J4	0.000445	0.00111	1	03/30/2019 04:16	WG1258093
Trichlorofluoromethane	U		0.000556	0.00278	1	03/30/2019 04:16	WG1258093
1,2,3-Trichloropropane	U		0.00567	0.0139	1	03/30/2019 04:16	WG1258093
1,2,4-Trimethylbenzene	U		0.00129	0.00556	1	03/30/2019 04:16	WG1258093
1,2,3-Trimethylbenzene	U		0.00128	0.00556	1	03/30/2019 04:16	WG1258093
1,3,5-Trimethylbenzene	U		0.00120	0.00556	1	03/30/2019 04:16	WG1258093
Vinyl acetate	U	J0	0.00391	0.0139	1	03/30/2019 04:16	WG1258093
Vinyl chloride	U		0.000760	0.00278	1	03/30/2019 04:16	WG1258093
Xylenes, Total	U	J4	0.00532	0.00723	1	03/30/2019 04:16	WG1258093
(S) Toluene-d8	*104*			*75.0-131*		*03/30/2019 04:16*	WG1258093
(S) Toluene-d8	*93.1*			*75.0-131*		*04/01/2019 12:40*	WG1258804
(S) 4-Bromofluorobenzene	*95.4*			*67.0-138*		*03/30/2019 04:16*	WG1258093
(S) 4-Bromofluorobenzene	*77.8*			*67.0-138*		*04/01/2019 12:40*	WG1258804
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*03/30/2019 04:16*	WG1258093
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*04/01/2019 12:40*	WG1258804

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.8		1	03/29/2019 10:27	WG1257599

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0492		0.0151	0.0275	1	03/31/2019 23:56	WG1258511
Acrylonitrile	U	J0	0.00209	0.0138	1	03/30/2019 04:35	WG1258093
Benzene	0.000548	J	0.000440	0.00110	1	03/30/2019 04:35	WG1258093
Bromobenzene	U		0.00116	0.0138	1	03/30/2019 04:35	WG1258093
Bromodichloromethane	U		0.000868	0.00275	1	03/30/2019 04:35	WG1258093
Bromochloromethane	U	J4	0.00124	0.00551	1	03/30/2019 04:35	WG1258093
Bromoform	U		0.00659	0.0275	1	03/30/2019 04:35	WG1258093
Bromomethane	U	J0	0.00407	0.0138	1	03/30/2019 04:35	WG1258093
n-Butylbenzene	U		0.00423	0.0138	1	03/30/2019 04:35	WG1258093
sec-Butylbenzene	U		0.00279	0.0138	1	03/30/2019 04:35	WG1258093
tert-Butylbenzene	U		0.00171	0.00551	1	03/30/2019 04:35	WG1258093
Carbon disulfide	U		0.00447	0.0138	1	03/30/2019 04:35	WG1258093
Carbon tetrachloride	U		0.00119	0.00551	1	03/30/2019 04:35	WG1258093
Chlorobenzene	U		0.000631	0.00275	1	03/30/2019 04:35	WG1258093
Chlorodibromomethane	U		0.000496	0.00275	1	03/30/2019 04:35	WG1258093
Chloroethane	U	J0	0.00119	0.00551	1	03/30/2019 04:35	WG1258093
Chloroform	U		0.000457	0.00275	1	03/30/2019 04:35	WG1258093
Chloromethane	U		0.00153	0.0138	1	03/30/2019 04:35	WG1258093
2-Chlorotoluene	U		0.00101	0.00275	1	03/30/2019 04:35	WG1258093
4-Chlorotoluene	U	J0	0.00124	0.00551	1	03/30/2019 04:35	WG1258093
1,2-Dibromo-3-Chloropropane	U		0.00562	0.0275	1	03/30/2019 04:35	WG1258093
1,2-Dibromoethane	U		0.000578	0.00275	1	03/30/2019 04:35	WG1258093
Dibromomethane	U		0.00110	0.00551	1	03/30/2019 04:35	WG1258093
1,2-Dichlorobenzene	U		0.00160	0.00551	1	03/30/2019 04:35	WG1258093
1,3-Dichlorobenzene	U		0.00187	0.00551	1	03/30/2019 04:35	WG1258093
1,4-Dichlorobenzene	U	J4	0.00217	0.00551	1	03/30/2019 04:35	WG1258093
Dichlorodifluoromethane	U		0.000901	0.00275	1	03/30/2019 04:35	WG1258093
1,1-Dichloroethane	U		0.000633	0.00275	1	03/30/2019 04:35	WG1258093
1,2-Dichloroethane	U		0.000523	0.00275	1	03/30/2019 04:35	WG1258093
1,1-Dichloroethene	U		0.000551	0.00275	1	03/30/2019 04:35	WG1258093
cis-1,2-Dichloroethene	0.712		0.000760	0.00275	1	03/30/2019 04:35	WG1258093
trans-1,2-Dichloroethene	0.00168	J	0.00157	0.00551	1	03/30/2019 04:35	WG1258093
1,2-Dichloropropane	U		0.00140	0.00551	1	03/30/2019 04:35	WG1258093
1,1-Dichloropropene	U		0.000771	0.00275	1	03/30/2019 04:35	WG1258093
1,3-Dichloropropane	U		0.00193	0.00551	1	03/30/2019 04:35	WG1258093
cis-1,3-Dichloropropene	U		0.000747	0.00275	1	03/30/2019 04:35	WG1258093
trans-1,3-Dichloropropene	U		0.00168	0.00551	1	03/30/2019 04:35	WG1258093
trans-1,4-Dichloro-2-butene	U		0.00154	0.00551	1	03/30/2019 04:35	WG1258093
2,2-Dichloropropane	U		0.000873	0.00275	1	03/30/2019 04:35	WG1258093
Di-isopropyl ether	U	J0	0.000385	0.00110	1	03/30/2019 04:35	WG1258093
Ethylbenzene	U		0.000584	0.00275	1	03/30/2019 04:35	WG1258093
Hexachloro-1,3-butadiene	U		0.0140	0.0275	1	03/30/2019 04:35	WG1258093
2-Hexanone	U		0.0110	0.0275	1	03/30/2019 04:35	WG1258093
n-Hexane	0.0142		0.00117	0.00551	1	03/30/2019 04:35	WG1258093
Iodomethane	U		0.00666	0.0138	1	03/30/2019 04:35	WG1258093
Isopropylbenzene	U		0.000950	0.00275	1	03/30/2019 04:35	WG1258093
p-Isopropyltoluene	U		0.00257	0.00551	1	03/30/2019 04:35	WG1258093
2-Butanone (MEK)	U		0.0138	0.0275	1	03/30/2019 04:35	WG1258093
Methylene Chloride	U		0.00731	0.0275	1	03/30/2019 04:35	WG1258093
4-Methyl-2-pentanone (MIBK)	U		0.0110	0.0275	1	03/30/2019 04:35	WG1258093

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000325	0.00110	1	03/30/2019 04:35	WG1258093
Naphthalene	U		0.00344	0.0138	1	03/30/2019 04:35	WG1258093
n-Propylbenzene	U		0.00130	0.00551	1	03/30/2019 04:35	WG1258093
Styrene	U		0.00301	0.0138	1	03/30/2019 04:35	WG1258093
1,1,1,2-Tetrachloroethane	U		0.000551	0.00275	1	03/30/2019 04:35	WG1258093
1,1,2,2-Tetrachloroethane	U		0.000429	0.00275	1	03/30/2019 04:35	WG1258093
1,1,2-Trichlorotrifluoroethane	U		0.000743	0.00275	1	03/30/2019 04:35	WG1258093
Tetrachloroethene	0.253		0.000771	0.00275	1	03/30/2019 04:35	WG1258093
Toluene	0.00233	J	0.00138	0.00551	1	03/30/2019 04:35	WG1258093
1,2,3-Trichlorobenzene	U		0.000688	0.00275	1	03/30/2019 04:35	WG1258093
1,2,4-Trichlorobenzene	U		0.00531	0.0138	1	03/30/2019 04:35	WG1258093
1,1,1-Trichloroethane	U		0.000303	0.00275	1	03/30/2019 04:35	WG1258093
1,1,2-Trichloroethane	U		0.000972	0.00275	1	03/30/2019 04:35	WG1258093
Trichloroethene	0.00663	J4	0.000440	0.00110	1	03/30/2019 04:35	WG1258093
Trichlorofluoromethane	U		0.000551	0.00275	1	03/30/2019 04:35	WG1258093
1,2,3-Trichloropropane	U		0.00562	0.0138	1	03/30/2019 04:35	WG1258093
1,2,4-Trimethylbenzene	U		0.00128	0.00551	1	03/30/2019 04:35	WG1258093
1,2,3-Trimethylbenzene	U		0.00127	0.00551	1	03/30/2019 04:35	WG1258093
1,3,5-Trimethylbenzene	U		0.00119	0.00551	1	03/30/2019 04:35	WG1258093
Vinyl acetate	U	J0	0.00388	0.0138	1	03/30/2019 04:35	WG1258093
Vinyl chloride	U		0.000752	0.00275	1	03/30/2019 04:35	WG1258093
Xylenes, Total	U	J4	0.00526	0.00716	1	03/30/2019 04:35	WG1258093
(S) Toluene-d8	*106*			*75.0-131*		*03/30/2019 04:35*	WG1258093
(S) Toluene-d8	*92.1*			*75.0-131*		*03/31/2019 23:56*	WG1258511
(S) 4-Bromofluorobenzene	*93.1*			*67.0-138*		*03/30/2019 04:35*	WG1258093
(S) 4-Bromofluorobenzene	*80.5*			*67.0-138*		*03/31/2019 23:56*	WG1258511
(S) 1,2-Dichloroethane-d4	*98.1*			*70.0-130*		*03/30/2019 04:35*	WG1258093
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*03/31/2019 23:56*	WG1258511

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.6		1	03/29/2019 10:27	WG1257599

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0166	J	0.0151	0.0276	1	04/01/2019 00:15	WG1258511
Acrylonitrile	U	J0	0.00210	0.0138	1	03/30/2019 04:55	WG1258093
Benzene	U		0.000441	0.00110	1	03/30/2019 04:55	WG1258093
Bromobenzene	U		0.00116	0.0138	1	03/30/2019 04:55	WG1258093
Bromodichloromethane	U		0.000869	0.00276	1	03/30/2019 04:55	WG1258093
Bromochloromethane	U	J4	0.00125	0.00552	1	03/30/2019 04:55	WG1258093
Bromoform	U		0.00660	0.0276	1	03/30/2019 04:55	WG1258093
Bromomethane	U	J0	0.00408	0.0138	1	03/30/2019 04:55	WG1258093
n-Butylbenzene	U		0.00424	0.0138	1	03/30/2019 04:55	WG1258093
sec-Butylbenzene	U		0.00279	0.0138	1	03/30/2019 04:55	WG1258093
tert-Butylbenzene	U		0.00171	0.00552	1	03/30/2019 04:55	WG1258093
Carbon disulfide	U		0.00448	0.0138	1	03/30/2019 04:55	WG1258093
Carbon tetrachloride	U		0.00119	0.00552	1	03/30/2019 04:55	WG1258093
Chlorobenzene	U		0.000632	0.00276	1	03/30/2019 04:55	WG1258093
Chlorodibromomethane	U		0.000497	0.00276	1	03/30/2019 04:55	WG1258093
Chloroethane	U	J0	0.00119	0.00552	1	03/30/2019 04:55	WG1258093
Chloroform	U		0.000458	0.00276	1	03/30/2019 04:55	WG1258093
Chloromethane	U		0.00153	0.0138	1	03/30/2019 04:55	WG1258093
2-Chlorotoluene	U		0.00102	0.00276	1	03/30/2019 04:55	WG1258093
4-Chlorotoluene	U	J0	0.00125	0.00552	1	03/30/2019 04:55	WG1258093
1,2-Dibromo-3-Chloropropane	U		0.00563	0.0276	1	03/30/2019 04:55	WG1258093
1,2-Dibromoethane	U		0.000579	0.00276	1	03/30/2019 04:55	WG1258093
Dibromomethane	U		0.00110	0.00552	1	03/30/2019 04:55	WG1258093
1,2-Dichlorobenzene	U		0.00160	0.00552	1	03/30/2019 04:55	WG1258093
1,3-Dichlorobenzene	U		0.00188	0.00552	1	03/30/2019 04:55	WG1258093
1,4-Dichlorobenzene	U	J4	0.00217	0.00552	1	03/30/2019 04:55	WG1258093
Dichlorodifluoromethane	U		0.000903	0.00276	1	03/30/2019 04:55	WG1258093
1,1-Dichloroethane	U		0.000634	0.00276	1	03/30/2019 04:55	WG1258093
1,2-Dichloroethane	U		0.000524	0.00276	1	03/30/2019 04:55	WG1258093
1,1-Dichloroethene	U		0.000552	0.00276	1	03/30/2019 04:55	WG1258093
cis-1,2-Dichloroethene	0.0174		0.000761	0.00276	1	03/30/2019 04:55	WG1258093
trans-1,2-Dichloroethene	U		0.00158	0.00552	1	03/30/2019 04:55	WG1258093
1,2-Dichloropropane	U		0.00140	0.00552	1	03/30/2019 04:55	WG1258093
1,1-Dichloropropene	U		0.000772	0.00276	1	03/30/2019 04:55	WG1258093
1,3-Dichloropropane	U		0.00193	0.00552	1	03/30/2019 04:55	WG1258093
cis-1,3-Dichloropropene	U		0.000748	0.00276	1	03/30/2019 04:55	WG1258093
trans-1,3-Dichloropropene	U		0.00169	0.00552	1	03/30/2019 04:55	WG1258093
trans-1,4-Dichloro-2-butene	U		0.00154	0.00552	1	03/30/2019 04:55	WG1258093
2,2-Dichloropropane	U		0.000875	0.00276	1	03/30/2019 04:55	WG1258093
Di-isopropyl ether	U	J0	0.000386	0.00110	1	03/30/2019 04:55	WG1258093
Ethylbenzene	U		0.000585	0.00276	1	03/30/2019 04:55	WG1258093
Hexachloro-1,3-butadiene	U		0.0140	0.0276	1	03/30/2019 04:55	WG1258093
2-Hexanone	U		0.0110	0.0276	1	03/30/2019 04:55	WG1258093
n-Hexane	0.00226	J	0.00117	0.00552	1	03/30/2019 04:55	WG1258093
Iodomethane	U		0.00668	0.0138	1	03/30/2019 04:55	WG1258093
Isopropylbenzene	U		0.000952	0.00276	1	03/30/2019 04:55	WG1258093
p-Isopropyltoluene	U		0.00257	0.00552	1	03/30/2019 04:55	WG1258093
2-Butanone (MEK)	U		0.0138	0.0276	1	03/30/2019 04:55	WG1258093
Methylene Chloride	U		0.00733	0.0276	1	03/30/2019 04:55	WG1258093
4-Methyl-2-pentanone (MIBK)	U		0.0110	0.0276	1	03/30/2019 04:55	WG1258093

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000325	0.00110	1	03/30/2019 04:55	WG1258093
Naphthalene	U		0.00344	0.0138	1	03/30/2019 04:55	WG1258093
n-Propylbenzene	U		0.00130	0.00552	1	03/30/2019 04:55	WG1258093
Styrene	U		0.00301	0.0138	1	03/30/2019 04:55	WG1258093
1,1,1,2-Tetrachloroethane	U		0.000552	0.00276	1	03/30/2019 04:55	WG1258093
1,1,2,2-Tetrachloroethane	U		0.000430	0.00276	1	03/30/2019 04:55	WG1258093
1,1,2-Trichlorotrifluoroethane	U		0.000745	0.00276	1	03/30/2019 04:55	WG1258093
Tetrachloroethene	0.0237		0.000772	0.00276	1	03/30/2019 04:55	WG1258093
Toluene	U		0.00138	0.00552	1	03/30/2019 04:55	WG1258093
1,2,3-Trichlorobenzene	U		0.000690	0.00276	1	03/30/2019 04:55	WG1258093
1,2,4-Trichlorobenzene	U		0.00532	0.0138	1	03/30/2019 04:55	WG1258093
1,1,1-Trichloroethane	U		0.000303	0.00276	1	03/30/2019 04:55	WG1258093
1,1,2-Trichloroethane	U		0.000974	0.00276	1	03/30/2019 04:55	WG1258093
Trichloroethene	0.00331	J4	0.000441	0.00110	1	03/30/2019 04:55	WG1258093
Trichlorofluoromethane	U		0.000552	0.00276	1	03/30/2019 04:55	WG1258093
1,2,3-Trichloropropane	U		0.00563	0.0138	1	03/30/2019 04:55	WG1258093
1,2,4-Trimethylbenzene	U		0.00128	0.00552	1	03/30/2019 04:55	WG1258093
1,2,3-Trimethylbenzene	U		0.00127	0.00552	1	03/30/2019 04:55	WG1258093
1,3,5-Trimethylbenzene	U		0.00119	0.00552	1	03/30/2019 04:55	WG1258093
Vinyl acetate	U	J0	0.00388	0.0138	1	03/30/2019 04:55	WG1258093
Vinyl chloride	U		0.000754	0.00276	1	03/30/2019 04:55	WG1258093
Xylenes, Total	U	J4	0.00527	0.00717	1	03/30/2019 04:55	WG1258093
(S) Toluene-d8	*105*			*75.0-131*		*03/30/2019 04:55*	WG1258093
(S) Toluene-d8	*93.8*			*75.0-131*		*04/01/2019 00:15*	WG1258511
(S) 4-Bromofluorobenzene	*93.2*			*67.0-138*		*03/30/2019 04:55*	WG1258093
(S) 4-Bromofluorobenzene	*78.5*			*67.0-138*		*04/01/2019 00:15*	WG1258511
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*03/30/2019 04:55*	WG1258093
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*04/01/2019 00:15*	WG1258511

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.3		1	03/29/2019 10:27	WG1257599

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0148	0.0271	1	04/01/2019 00:35	WG1258511
Acrylonitrile	U	J0	0.00206	0.0135	1	03/30/2019 05:14	WG1258093
Benzene	U		0.000434	0.00108	1	03/30/2019 05:14	WG1258093
Bromobenzene	U		0.00114	0.0135	1	03/30/2019 05:14	WG1258093
Bromodichloromethane	U		0.000854	0.00271	1	03/30/2019 05:14	WG1258093
Bromochloromethane	U	J4	0.00122	0.00542	1	03/30/2019 05:14	WG1258093
Bromoform	U		0.00648	0.0271	1	03/30/2019 05:14	WG1258093
Bromomethane	U	J0	0.00401	0.0135	1	03/30/2019 05:14	WG1258093
n-Butylbenzene	U		0.00416	0.0135	1	03/30/2019 05:14	WG1258093
sec-Butylbenzene	U		0.00274	0.0135	1	03/30/2019 05:14	WG1258093
tert-Butylbenzene	U		0.00168	0.00542	1	03/30/2019 05:14	WG1258093
Carbon disulfide	U		0.00440	0.0135	1	03/30/2019 05:14	WG1258093
Carbon tetrachloride	U		0.00117	0.00542	1	03/30/2019 05:14	WG1258093
Chlorobenzene	U		0.000621	0.00271	1	03/30/2019 05:14	WG1258093
Chlorodibromomethane	U		0.000488	0.00271	1	03/30/2019 05:14	WG1258093
Chloroethane	U	J0	0.00117	0.00542	1	03/30/2019 05:14	WG1258093
Chloroform	U		0.000450	0.00271	1	03/30/2019 05:14	WG1258093
Chloromethane	U		0.00151	0.0135	1	03/30/2019 05:14	WG1258093
2-Chlorotoluene	U		0.000997	0.00271	1	03/30/2019 05:14	WG1258093
4-Chlorotoluene	U	J0	0.00122	0.00542	1	03/30/2019 05:14	WG1258093
1,2-Dibromo-3-Chloropropane	U		0.00553	0.0271	1	03/30/2019 05:14	WG1258093
1,2-Dibromoethane	U		0.000569	0.00271	1	03/30/2019 05:14	WG1258093
Dibromomethane	U		0.00108	0.00542	1	03/30/2019 05:14	WG1258093
1,2-Dichlorobenzene	U		0.00157	0.00542	1	03/30/2019 05:14	WG1258093
1,3-Dichlorobenzene	U		0.00184	0.00542	1	03/30/2019 05:14	WG1258093
1,4-Dichlorobenzene	U	J4	0.00214	0.00542	1	03/30/2019 05:14	WG1258093
Dichlorodifluoromethane	U		0.000887	0.00271	1	03/30/2019 05:14	WG1258093
1,1-Dichloroethane	U		0.000623	0.00271	1	03/30/2019 05:14	WG1258093
1,2-Dichloroethane	U		0.000515	0.00271	1	03/30/2019 05:14	WG1258093
1,1-Dichloroethene	U		0.000542	0.00271	1	03/30/2019 05:14	WG1258093
cis-1,2-Dichloroethene	0.0255		0.000748	0.00271	1	03/30/2019 05:14	WG1258093
trans-1,2-Dichloroethene	U		0.00155	0.00542	1	03/30/2019 05:14	WG1258093
1,2-Dichloropropane	U		0.00138	0.00542	1	03/30/2019 05:14	WG1258093
1,1-Dichloropropene	U		0.000759	0.00271	1	03/30/2019 05:14	WG1258093
1,3-Dichloropropane	U		0.00190	0.00542	1	03/30/2019 05:14	WG1258093
cis-1,3-Dichloropropene	U		0.000735	0.00271	1	03/30/2019 05:14	WG1258093
trans-1,3-Dichloropropene	U		0.00166	0.00542	1	03/30/2019 05:14	WG1258093
trans-1,4-Dichloro-2-butene	U		0.00152	0.00542	1	03/30/2019 05:14	WG1258093
2,2-Dichloropropane	U		0.000859	0.00271	1	03/30/2019 05:14	WG1258093
Di-isopropyl ether	U	J0	0.000379	0.00108	1	03/30/2019 05:14	WG1258093
Ethylbenzene	U		0.000574	0.00271	1	03/30/2019 05:14	WG1258093
Hexachloro-1,3-butadiene	U		0.0138	0.0271	1	03/30/2019 05:14	WG1258093
2-Hexanone	U		0.0108	0.0271	1	03/30/2019 05:14	WG1258093
n-Hexane	0.00357	J	0.00115	0.00542	1	03/30/2019 05:14	WG1258093
Iodomethane	U		0.00656	0.0135	1	03/30/2019 05:14	WG1258093
Isopropylbenzene	U		0.000935	0.00271	1	03/30/2019 05:14	WG1258093
p-Isopropyltoluene	U		0.00253	0.00542	1	03/30/2019 05:14	WG1258093
2-Butanone (MEK)	U		0.0135	0.0271	1	03/30/2019 05:14	WG1258093
Methylene Chloride	U		0.00720	0.0271	1	03/30/2019 05:14	WG1258093
4-Methyl-2-pentanone (MIBK)	U		0.0108	0.0271	1	03/30/2019 05:14	WG1258093

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000320	0.00108	1	03/30/2019 05:14	WG1258093
Naphthalene	U		0.00338	0.0135	1	03/30/2019 05:14	WG1258093
n-Propylbenzene	U		0.00128	0.00542	1	03/30/2019 05:14	WG1258093
Styrene	U		0.00296	0.0135	1	03/30/2019 05:14	WG1258093
1,1,1,2-Tetrachloroethane	U		0.000542	0.00271	1	03/30/2019 05:14	WG1258093
1,1,2,2-Tetrachloroethane	U		0.000423	0.00271	1	03/30/2019 05:14	WG1258093
1,1,2-Trichlorotrifluoroethane	U		0.000732	0.00271	1	03/30/2019 05:14	WG1258093
Tetrachloroethene	0.00688		0.000759	0.00271	1	03/30/2019 05:14	WG1258093
Toluene	U		0.00135	0.00542	1	03/30/2019 05:14	WG1258093
1,2,3-Trichlorobenzene	U		0.000677	0.00271	1	03/30/2019 05:14	WG1258093
1,2,4-Trichlorobenzene	U		0.00522	0.0135	1	03/30/2019 05:14	WG1258093
1,1,1-Trichloroethane	U		0.000298	0.00271	1	03/30/2019 05:14	WG1258093
1,1,2-Trichloroethane	U		0.000957	0.00271	1	03/30/2019 05:14	WG1258093
Trichloroethene	0.00244	J4	0.000434	0.00108	1	03/30/2019 05:14	WG1258093
Trichlorofluoromethane	U		0.000542	0.00271	1	03/30/2019 05:14	WG1258093
1,2,3-Trichloropropane	U		0.00553	0.0135	1	03/30/2019 05:14	WG1258093
1,2,4-Trimethylbenzene	U		0.00126	0.00542	1	03/30/2019 05:14	WG1258093
1,2,3-Trimethylbenzene	U		0.00125	0.00542	1	03/30/2019 05:14	WG1258093
1,3,5-Trimethylbenzene	U		0.00117	0.00542	1	03/30/2019 05:14	WG1258093
Vinyl acetate	U	J0	0.00382	0.0135	1	03/30/2019 05:14	WG1258093
Vinyl chloride	U		0.000740	0.00271	1	03/30/2019 05:14	WG1258093
Xylenes, Total	U	J4	0.00518	0.00704	1	03/30/2019 05:14	WG1258093
(S) Toluene-d8	*106*			*75.0-131*		*03/30/2019 05:14*	WG1258093
(S) Toluene-d8	*92.5*			*75.0-131*		*04/01/2019 00:35*	WG1258511
(S) 4-Bromofluorobenzene	*92.7*			*67.0-138*		*03/30/2019 05:14*	WG1258093
(S) 4-Bromofluorobenzene	*81.3*			*67.0-138*		*04/01/2019 00:35*	WG1258511
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*03/30/2019 05:14*	WG1258093
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*04/01/2019 00:35*	WG1258511

Method Blank (MB)

(MB) R3396814-1 03/29/19 10:27

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

L1082400-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1082400-02 03/29/19 10:27 • (DUP) R3396814-3 03/29/19 10:27

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	91.8	91.5	1	0.224		10

Laboratory Control Sample (LCS)

(LCS) R3396814-2 03/29/19 10:27

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) R3396945-2 03/29/19 23:30

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acrylonitrile	U		0.00190	0.0125
Benzene	U		0.000400	0.00100
Bromobenzene	U		0.00105	0.0125
Bromodichloromethane	U		0.000788	0.00250
Bromochloromethane	U		0.00113	0.00500
Bromoform	U		0.00598	0.0250
Bromomethane	U		0.00370	0.0125
n-Butylbenzene	U		0.00384	0.0125
sec-Butylbenzene	U		0.00253	0.0125
tert-Butylbenzene	U		0.00155	0.00500
Carbon disulfide	U		0.00406	0.0125
Carbon tetrachloride	U		0.00108	0.00500
Chlorobenzene	U		0.000573	0.00250
Chlorodibromomethane	U		0.000450	0.00250
Chloroethane	U		0.00108	0.00500
Chloroform	U		0.000415	0.00250
Chloromethane	U		0.00139	0.0125
2-Chlorotoluene	U		0.000920	0.00250
4-Chlorotoluene	U		0.00113	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00510	0.0250
1,2-Dibromoethane	U		0.000525	0.00250
Dibromomethane	U		0.00100	0.00500
1,2-Dichlorobenzene	U		0.00145	0.00500
1,3-Dichlorobenzene	U		0.00170	0.00500
1,4-Dichlorobenzene	U		0.00197	0.00500
trans-1,4-Dichloro-2-butene	U		0.00140	0.00500
Dichlorodifluoromethane	U		0.000818	0.00250
1,1-Dichloroethane	U		0.000575	0.00250
1,2-Dichloroethane	U		0.000475	0.00250
1,1-Dichloroethene	U		0.000500	0.00250
cis-1,2-Dichloroethene	U		0.000690	0.00250
trans-1,2-Dichloroethene	U		0.00143	0.00500
1,2-Dichloropropane	U		0.00127	0.00500
1,1-Dichloropropene	U		0.000700	0.00250
1,3-Dichloropropane	U		0.00175	0.00500
cis-1,3-Dichloropropene	U		0.000678	0.00250
trans-1,3-Dichloropropene	U		0.00153	0.00500
2,2-Dichloropropane	U		0.000793	0.00250
Di-isopropyl ether	U		0.000350	0.00100
Ethylbenzene	U		0.000530	0.00250

Method Blank (MB)

(MB) R3396945-2 03/29/19 23:30

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Hexachloro-1,3-butadiene	U		0.0127	0.0250
n-Hexane	U		0.00106	0.00500
2-Hexanone	U		0.0100	0.0250
Iodomethane	U		0.00605	0.0125
Isopropylbenzene	U		0.000863	0.00250
p-Isopropyltoluene	U		0.00233	0.00500
2-Butanone (MEK)	U		0.0125	0.0250
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.0100	0.0250
Methyl tert-butyl ether	U		0.000295	0.00100
Naphthalene	U		0.00312	0.0125
n-Propylbenzene	U		0.00118	0.00500
Styrene	U		0.00273	0.0125
1,1,1,2-Tetrachloroethane	U		0.000500	0.00250
1,1,2,2-Tetrachloroethane	U		0.000390	0.00250
Tetrachloroethene	U		0.000700	0.00250
Toluene	U		0.00125	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000675	0.00250
1,2,3-Trichlorobenzene	U		0.000625	0.00250
1,2,4-Trichlorobenzene	U		0.00482	0.0125
1,1,1-Trichloroethane	U		0.000275	0.00250
1,1,2-Trichloroethane	U		0.000883	0.00250
Trichloroethene	U		0.000400	0.00100
Trichlorofluoromethane	U		0.000500	0.00250
1,2,3-Trichloropropane	U		0.00510	0.0125
1,2,3-Trimethylbenzene	U		0.00115	0.00500
1,2,4-Trimethylbenzene	U		0.00116	0.00500
1,3,5-Trimethylbenzene	U		0.00108	0.00500
Vinyl acetate	U		0.00352	0.0125
Vinyl chloride	U		0.000683	0.00250
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	*108*			*75.0-131*
(S) 4-Bromofluorobenzene	*96.6*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3396945-1 03/29/19 21:57

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acrylonitrile	0.625	0.459	73.5	45.0-153	
Benzene	0.125	0.110	88.1	70.0-123	
Bromobenzene	0.125	0.103	82.2	73.0-121	
Bromodichloromethane	0.125	0.103	82.6	73.0-121	
Bromochloromethane	0.125	0.0912	73.0	77.0-128	J4
Bromoform	0.125	0.150	120	64.0-132	
Bromomethane	0.125	0.0843	67.5	56.0-147	
n-Butylbenzene	0.125	0.101	80.4	68.0-135	
sec-Butylbenzene	0.125	0.0992	79.4	74.0-130	
tert-Butylbenzene	0.125	0.105	84.3	75.0-127	
Carbon disulfide	0.125	0.116	93.1	56.0-133	
Carbon tetrachloride	0.125	0.135	108	66.0-128	
Chlorobenzene	0.125	0.106	84.4	76.0-128	
Chlorodibromomethane	0.125	0.132	105	74.0-127	
Chloroethane	0.125	0.0938	75.0	61.0-134	
Chloroform	0.125	0.121	97.0	72.0-123	
Chloromethane	0.125	0.0974	77.9	51.0-138	
2-Chlorotoluene	0.125	0.127	102	75.0-124	
4-Chlorotoluene	0.125	0.102	81.7	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.108	86.1	59.0-130	
1,2-Dibromoethane	0.125	0.105	84.3	74.0-128	
Dibromomethane	0.125	0.138	111	75.0-122	
1,2-Dichlorobenzene	0.125	0.0966	77.3	76.0-124	
1,3-Dichlorobenzene	0.125	0.0992	79.4	76.0-125	
1,4-Dichlorobenzene	0.125	0.0954	76.3	77.0-121	J4
trans-1,4-Dichloro-2-butene	0.125	0.153	122	45.0-143	
Dichlorodifluoromethane	0.125	0.172	138	43.0-156	
1,1-Dichloroethane	0.125	0.121	96.7	70.0-127	
1,2-Dichloroethane	0.125	0.121	96.4	65.0-131	
1,1-Dichloroethene	0.125	0.0954	76.3	65.0-131	
cis-1,2-Dichloroethene	0.125	0.140	112	73.0-125	
trans-1,2-Dichloroethene	0.125	0.110	87.8	71.0-125	
1,2-Dichloropropane	0.125	0.109	87.3	74.0-125	
1,1-Dichloropropene	0.125	0.111	88.7	73.0-125	
1,3-Dichloropropane	0.125	0.125	100	80.0-125	
cis-1,3-Dichloropropene	0.125	0.108	86.7	76.0-127	
trans-1,3-Dichloropropene	0.125	0.142	114	73.0-127	
2,2-Dichloropropane	0.125	0.134	107	59.0-135	
Di-isopropyl ether	0.125	0.100	80.2	60.0-136	
Ethylbenzene	0.125	0.111	89.0	74.0-126	

Laboratory Control Sample (LCS)

(LCS) R3396945-1 03/29/19 21:57

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexachloro-1,3-butadiene	0.125	0.0920	73.6	57.0-150	
2-Hexanone	0.625	0.658	105	54.0-147	
n-Hexane	0.125	0.109	86.9	55.0-137	
Iodomethane	0.625	0.680	109	74.0-134	
Isopropylbenzene	0.125	0.106	84.7	72.0-127	
p-Isopropyltoluene	0.125	0.116	92.8	72.0-133	
2-Butanone (MEK)	0.625	0.604	96.7	30.0-160	
Methylene Chloride	0.125	0.0939	75.1	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.636	102	56.0-143	
Methyl tert-butyl ether	0.125	0.114	91.1	66.0-132	
Naphthalene	0.125	0.0977	78.2	59.0-130	
n-Propylbenzene	0.125	0.109	86.8	74.0-126	
Styrene	0.125	0.109	87.5	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.133	107	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.146	117	68.0-128	
Tetrachloroethene	0.125	0.0996	79.7	70.0-136	
Toluene	0.125	0.0988	79.1	75.0-121	
1,1,2-Trichlorotrifluoroethane	0.125	0.101	80.6	61.0-139	
1,2,3-Trichlorobenzene	0.125	0.128	102	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.0947	75.7	62.0-137	
1,1,1-Trichloroethane	0.125	0.101	80.5	69.0-126	
1,1,2-Trichloroethane	0.125	0.109	87.3	78.0-123	
Trichloroethene	0.125	0.0920	73.6	76.0-126	J4
Trichlorofluoromethane	0.125	0.125	100	61.0-142	
1,2,3-Trichloropropane	0.125	0.128	103	67.0-129	
1,2,3-Trimethylbenzene	0.125	0.0995	79.6	74.0-124	
1,2,4-Trimethylbenzene	0.125	0.101	80.7	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.0976	78.0	73.0-127	
Vinyl acetate	0.625	0.466	74.6	43.0-159	
Vinyl chloride	0.125	0.112	90.0	63.0-134	
Xylenes, Total	0.375	0.288	76.8	72.0-127	J4
(S) Toluene-d8			*106*	*75.0-131*	
(S) 4-Bromofluorobenzene			*95.7*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*104*	*70.0-130*	

L1082393-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1082393-05 03/30/19 05:14 • (MS) R3396945-3 03/29/19 23:49 • (MSD) R3396945-4 03/30/19 00:08

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 %
Acrylonitrile	0.677	U	0.325	0.282	47.9	41.6	1	10.0-160			14.2	40
Benzene	0.135	U	0.0800	0.0784	59.1	57.9	1	10.0-149			2.05	37
Bromobenzene	0.135	U	0.0746	0.0705	55.1	52.1	1	10.0-156			5.62	38
Bromodichloromethane	0.135	U	0.0756	0.0713	55.8	52.7	1	10.0-143			5.75	37
Bromoform	0.135	U	0.101	0.0979	74.9	72.3	1	10.0-146			3.54	36
Bromochloromethane	0.135	U	0.0614	0.0573	45.3	42.3	1	10.0-155			6.88	33
Bromomethane	0.135	U	0.0665	0.0662	49.1	48.9	1	10.0-149			0.439	38
n-Butylbenzene	0.135	U	0.0748	0.0716	55.2	52.8	1	10.0-160			4.47	40
sec-Butylbenzene	0.135	U	0.0741	0.0730	54.7	53.9	1	10.0-159			1.51	39
tert-Butylbenzene	0.135	U	0.0782	0.0747	57.7	55.1	1	10.0-156			4.59	39
Carbon tetrachloride	0.135	U	0.0994	0.0987	73.3	72.9	1	10.0-145			0.630	37
Carbon disulfide	0.135	U	0.0743	0.0730	54.9	53.9	1	10.0-145			1.85	39
Chlorobenzene	0.135	U	0.0758	0.0722	56.0	53.3	1	10.0-152			4.92	39
Chlorodibromomethane	0.135	U	0.0903	0.0870	66.6	64.2	1	10.0-146			3.70	37
Chloroethane	0.135	U	0.0706	0.0678	52.1	50.0	1	10.0-146			4.00	40
Chloroform	0.135	U	0.0823	0.0809	60.7	59.7	1	10.0-146			1.73	37
Chloromethane	0.135	U	0.0756	0.0729	55.8	53.8	1	10.0-159			3.68	37
2-Chlorotoluene	0.135	U	0.0893	0.0884	66.0	65.3	1	10.0-159			1.06	38
4-Chlorotoluene	0.135	U	0.0761	0.0703	56.2	51.9	1	10.0-155			7.93	39
1,2-Dibromo-3-Chloropropane	0.135	U	0.0713	0.0620	52.6	45.8	1	10.0-151			13.9	39
1,2-Dibromoethane	0.135	U	0.0766	0.0705	56.5	52.1	1	10.0-148			8.17	34
Dibromomethane	0.135	U	0.0956	0.0918	70.5	67.7	1	10.0-147			4.07	35
1,2-Dichlorobenzene	0.135	U	0.0663	0.0645	49.0	47.6	1	10.0-155			2.80	37
1,3-Dichlorobenzene	0.135	U	0.0714	0.0670	52.7	49.4	1	10.0-153			6.36	38
1,4-Dichlorobenzene	0.135	U	0.0656	0.0643	48.4	47.5	1	10.0-151			1.91	38
Dichlorodifluoromethane	0.135	U	0.124	0.135	91.3	99.4	1	10.0-160			8.50	35
trans-1,4-Dichloro-2-butene	0.135	U	0.0892	0.0884	65.9	65.3	1	10.0-152			0.916	36
1,1-Dichloroethane	0.135	U	0.0819	0.0801	60.4	59.1	1	10.0-147			2.16	37
1,2-Dichloroethane	0.135	U	0.0874	0.0841	64.5	62.1	1	10.0-148			3.85	35
1,1-Dichloroethene	0.135	U	0.0693	0.0669	51.1	49.4	1	10.0-155			3.54	37
cis-1,2-Dichloroethene	0.135	0.0255	0.123	0.123	72.1	71.6	1	10.0-149			0.535	37
trans-1,2-Dichloroethene	0.135	U	0.0731	0.0723	54.0	53.4	1	10.0-150			1.04	37
1,2-Dichloropropane	0.135	U	0.0818	0.0776	60.4	57.3	1	10.0-148			5.28	37
1,1-Dichloropropene	0.135	U	0.0836	0.0789	61.7	58.2	1	10.0-153			5.81	35
1,3-Dichloropropane	0.135	U	0.0846	0.0828	62.4	61.1	1	10.0-154			2.13	35
cis-1,3-Dichloropropene	0.135	U	0.0815	0.0803	60.1	59.3	1	10.0-151			1.48	37
trans-1,3-Dichloropropene	0.135	U	0.101	0.0953	74.8	70.3	1	10.0-148			6.13	37
2,2-Dichloropropane	0.135	U	0.0910	0.0850	67.2	62.7	1	10.0-138			6.86	36
Di-isopropyl ether	0.135	U	0.0649	0.0635	47.9	46.8	1	10.0-147			2.19	36

L1082393-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1082393-05 03/30/19 05:14 • (MS) R3396945-3 03/29/19 23:49 • (MSD) R3396945-4 03/30/19 00:08

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	0.135	U	0.0826	0.0767	60.9	56.6	1	10.0-160			7.30	38
Hexachloro-1,3-butadiene	0.135	U	0.0733	0.0717	54.1	52.9	1	10.0-160			2.13	40
2-Hexanone	0.677	U	0.392	0.381	57.9	56.3	1	10.0-160			2.79	36
Isopropylbenzene	0.135	U	0.0775	0.0747	57.2	55.1	1	10.0-155			3.69	38
n-Hexane	0.135	0.00357	0.0852	0.0813	60.3	57.4	1	10.0-157			4.68	37
Iodomethane	0.677	U	0.473	0.460	69.9	68.0	1	10.0-160			2.72	38
p-Isopropyltoluene	0.135	U	0.0832	0.0799	61.4	59.0	1	10.0-160			4.00	40
2-Butanone (MEK)	0.677	U	0.332	0.364	49.0	53.7	1	10.0-160			9.08	40
Methylene Chloride	0.135	U	0.0680	0.0693	50.2	51.2	1	10.0-141			1.92	37
4-Methyl-2-pentanone (MIBK)	0.677	U	0.395	0.384	58.3	56.7	1	10.0-160			2.87	35
Methyl tert-butyl ether	0.135	U	0.0595	0.0617	43.9	45.5	1	11.0-147			3.54	35
Naphthalene	0.135	U	0.0634	0.0594	46.8	43.9	1	10.0-160			6.55	36
n-Propylbenzene	0.135	U	0.0817	0.0769	60.3	56.8	1	10.0-158			6.04	38
Styrene	0.135	U	0.0783	0.0749	57.8	55.3	1	10.0-160			4.36	40
1,1,1,2-Tetrachloroethane	0.135	U	0.0886	0.0863	65.4	63.7	1	10.0-149			2.65	39
1,1,2,2-Tetrachloroethane	0.135	U	0.0983	0.0955	72.6	70.5	1	10.0-160			2.91	35
Tetrachloroethene	0.135	0.00688	0.0806	0.0800	54.4	53.9	1	10.0-156			0.838	39
Toluene	0.135	U	0.0735	0.0712	54.2	52.6	1	10.0-156			3.09	38
1,2,3-Trichlorobenzene	0.135	U	0.0834	0.0822	61.6	60.6	1	10.0-160			1.49	40
1,1,2-Trichlorotrifluoroethane	0.135	U	0.0744	0.0712	54.9	52.5	1	10.0-160			4.49	36
1,2,4-Trichlorobenzene	0.135	U	0.0659	0.0642	48.6	47.4	1	10.0-160			2.58	40
1,1,1-Trichloroethane	0.135	U	0.0750	0.0739	55.3	54.6	1	10.0-144			1.43	35
1,1,2-Trichloroethane	0.135	U	0.0751	0.0746	55.4	55.1	1	10.0-160			0.672	35
Trichloroethene	0.135	0.00244	0.0689	0.0675	49.1	48.1	1	10.0-156			2.06	38
Trichlorofluoromethane	0.135	U	0.0995	0.0909	73.4	67.1	1	10.0-160			8.97	40
1,2,3-Trichloropropane	0.135	U	0.0858	0.0854	63.3	63.0	1	10.0-156			0.452	35
1,2,4-Trimethylbenzene	0.135	U	0.0715	0.0681	52.8	50.3	1	10.0-160			4.85	36
1,2,3-Trimethylbenzene	0.135	U	0.0703	0.0673	51.9	49.7	1	10.0-160			4.31	36
1,3,5-Trimethylbenzene	0.135	U	0.0694	0.0667	51.2	49.2	1	10.0-160			4.07	38
Vinyl chloride	0.135	U	0.0889	0.0848	65.6	62.6	1	10.0-160			4.72	37
Vinyl acetate	0.677	U	0.387	0.340	57.2	50.1	1	10.0-128			13.1	40
Xylenes, Total	0.406	U	0.212	0.199	52.1	49.0	1	10.0-160			6.17	38
(S) Toluene-d8					*104*	*106*		*75.0-131*				
(S) 4-Bromofluorobenzene					*95.3*	*96.2*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*108*	*101*		*70.0-130*				

Method Blank (MB)

(MB) R3397101-2 03/31/19 10:50

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0137	0.0250
(S) Toluene-d8	*95.4*			*75.0-131*
(S) 4-Bromofluorobenzene	*79.3*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3397101-1 03/31/19 09:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.962	154	10.0-160	
(S) Toluene-d8			*94.0*	*75.0-131*	
(S) 4-Bromofluorobenzene			*95.5*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*112*	*70.0-130*	

Method Blank (MB)

(MB) R3397317-2 04/01/19 11:28

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0137	0.0250
(S) Toluene-d8	*92.3*			*75.0-131*
(S) 4-Bromofluorobenzene	*81.1*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3397317-1 04/01/19 09:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.783	125	10.0-160	
(S) Toluene-d8			*95.3*	*75.0-131*	
(S) 4-Bromofluorobenzene			*93.2*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*113*	*70.0-130*	

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: The identification of the analyte is acceptable, but the reported concentration is an estimate. The calibration met method criteria.
J4	The associated batch QC was outside the established quality control range for accuracy.

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

State Accreditations

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

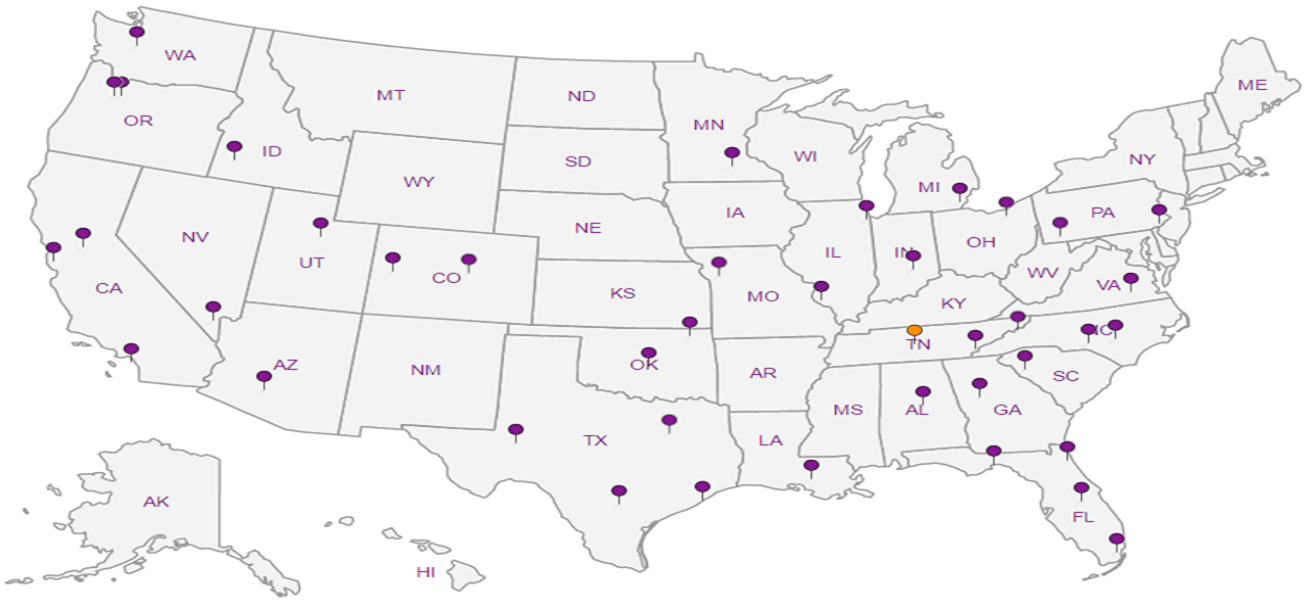
Third Party Federal Accreditations

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

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

Our Locations

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



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Report to: Brian O'Neal/Bill Haldeman
Email To: boneal@pesenv.com; bhaldeman@pesenv.com;

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

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

Client Project # 1413.001.05.SOI
Lab Project # PESENVSWA-ALP

Collected by (print): K. Zyse
Site/Facility ID #
P.O. #

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

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

Quote #
Date Results Needed

Chain of Custody Page ___ of ___

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 1082393
B225

Acctnum: PESENVSWA
Template: T145466
Prelogin: P696468
TSR: 110 - Brian Ford
PB: 3-11-19

Shipped Via: FedEX Saver

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs 8260C 40mlAmb/MeOH5mi/Syr	dry weight 2ozClr-NoPres	Remarks	Sample # (lab only)
B18D18-10	GRAB	SS	10	3/22/19	1330	2	X	X		-01
B18D18-20		SS	20		1335					-02
B18D18-30		SS	30		1525					-03
B18D18-40		SS	40		1720					-04
B18D18-50		SS	50		1730	2	X	X		-05
		SS								
		SS								
		SS								
		SS								
		SS								

RAD SCREEN: <0.5 mR/hr

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

Remarks:

pH _____ Temp _____
Flow _____ Other _____

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

Samples returned via: __UPS __FedEx __Courier __ _____
Tracking # 4876 1076 8360

Relinquished by : (Signature) — Date: 03-25-19 Time: 0850 — Received by: (Signature) K. McLaughlin
Relinquished by : (Signature) K. McLaughlin — Date: 3/25/19 Time: 1540 — Received by: (Signature)
Relinquished by : (Signature) — Date: Time: — Received for lab by: (Signature) Willis — Date: 3/26/19 Time: 845

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: 9.6 °C Bottles Received: 10

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

April 05, 2019

PES Environmental, Inc.- WA

Sample Delivery Group:	L1082918
Samples Received:	03/27/2019
Project Number:	1413.001.05.501
Description:	American Linen
Report To:	Brian O'Neal/Bill Haldeman
	1215 Fourth Ave., Suite 1350
	Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



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B21D21-10 L1082918-01 Solid

Collected by: K. Zygas | Collected date/time: 03/25/19 15:20 | Received date/time: 03/27/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1258846	1	04/01/19 16:15	04/01/19 16:26	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1258976	1.06	04/01/19 15:47	04/01/19 17:32	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1259054	1.06	03/25/19 15:20	04/01/19 18:31	BMB	Mt. Juliet, TN

B21D21-20 L1082918-02 Solid

Collected by: K. Zygas | Collected date/time: 03/25/19 15:25 | Received date/time: 03/27/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1258846	1	04/01/19 16:15	04/01/19 16:26	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1258976	1.08	04/01/19 15:47	04/01/19 17:52	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1259054	1.08	03/25/19 15:25	04/01/19 18:11	BMB	Mt. Juliet, TN

B21D21-30 L1082918-03 Solid

Collected by: K. Zygas | Collected date/time: 03/25/19 17:30 | Received date/time: 03/27/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1258846	1	04/01/19 16:15	04/01/19 16:26	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1258976	1	03/28/19 17:30	04/01/19 18:54	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1259714	1	03/26/19 09:50	04/02/19 20:21	JAH	Mt. Juliet, TN

B21D21-40 L1082918-04 Solid

Collected by: K. Zygas | Collected date/time: 03/25/19 17:35 | Received date/time: 03/27/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1258846	1	04/01/19 16:15	04/01/19 16:26	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1258976	1	03/28/19 17:30	04/01/19 19:14	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1259714	1	03/25/19 17:35	04/02/19 20:41	JAH	Mt. Juliet, TN

B21D21-50 L1082918-05 Solid

Collected by: K. Zygas | Collected date/time: 03/25/19 17:40 | Received date/time: 03/27/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1258846	1	04/01/19 16:15	04/01/19 16:26	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1258976	1	03/28/19 17:30	04/01/19 19:34	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1259714	1	03/25/19 17:40	04/02/19 21:01	JAH	Mt. Juliet, TN

B21D21-60 L1082918-06 Solid

Collected by: K. Zygas | Collected date/time: 03/26/19 09:45 | Received date/time: 03/27/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1258846	1	04/01/19 16:15	04/01/19 16:26	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1258976	1	03/28/19 17:30	04/01/19 19:55	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1259714	1	03/26/19 09:45	04/02/19 21:21	JAH	Mt. Juliet, TN

B-936-60 L1082918-07 Solid

Collected by: K. Zygas
Collected date/time: 03/26/19 09:50
Received date/time: 03/27/19 08:45

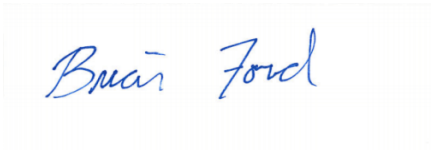
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1258846	1	04/01/19 16:15	04/01/19 16:26	JD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1258976	1	03/28/19 17:30	04/01/19 20:15	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1259714	1	03/26/19 09:50	04/02/19 21:41	JAH	Mt. Juliet, TN

TRIP BLANK-032619 L1082918-08 GW

Collected by: K. Zygas
Collected date/time: 03/26/19 15:00
Received date/time: 03/27/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1257024	1	03/28/19 19:20	03/28/19 19:20	ADM	Mt. Juliet, TN

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



Brian Ford
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.5		1	04/01/2019 16:26	WG1258846

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0157	0.0287	1.06	04/01/2019 18:31	WG1259054
Acrylonitrile	U		0.00217	0.0143	1.06	04/01/2019 17:32	WG1258976
Benzene	U		0.000459	0.00115	1.06	04/01/2019 17:32	WG1258976
Bromobenzene	U		0.00120	0.0143	1.06	04/01/2019 17:32	WG1258976
Bromodichloromethane	U		0.000903	0.00287	1.06	04/01/2019 17:32	WG1258976
Bromochloromethane	U		0.00130	0.00573	1.06	04/01/2019 17:32	WG1258976
Bromoform	U		0.00686	0.0287	1.06	04/01/2019 17:32	WG1258976
Bromomethane	U		0.00424	0.0143	1.06	04/01/2019 17:32	WG1258976
n-Butylbenzene	U		0.00440	0.0143	1.06	04/01/2019 17:32	WG1258976
sec-Butylbenzene	U		0.00290	0.0143	1.06	04/01/2019 17:32	WG1258976
tert-Butylbenzene	U		0.00177	0.00573	1.06	04/01/2019 17:32	WG1258976
Carbon disulfide	U		0.00465	0.0143	1.06	04/01/2019 17:32	WG1258976
Carbon tetrachloride	U		0.00123	0.00573	1.06	04/01/2019 17:32	WG1258976
Chlorobenzene	U		0.000657	0.00287	1.06	04/01/2019 17:32	WG1258976
Chlorodibromomethane	U		0.000516	0.00287	1.06	04/01/2019 17:32	WG1258976
Chloroethane	U		0.00123	0.00573	1.06	04/01/2019 17:32	WG1258976
Chloroform	U		0.000476	0.00287	1.06	04/01/2019 17:32	WG1258976
Chloromethane	U		0.00159	0.0143	1.06	04/01/2019 17:32	WG1258976
2-Chlorotoluene	U		0.00105	0.00287	1.06	04/01/2019 17:32	WG1258976
4-Chlorotoluene	U		0.00130	0.00573	1.06	04/01/2019 17:32	WG1258976
1,2-Dibromo-3-Chloropropane	U		0.00585	0.0287	1.06	04/01/2019 17:32	WG1258976
1,2-Dibromoethane	U		0.000601	0.00287	1.06	04/01/2019 17:32	WG1258976
Dibromomethane	U		0.00115	0.00573	1.06	04/01/2019 17:32	WG1258976
1,2-Dichlorobenzene	U		0.00167	0.00573	1.06	04/01/2019 17:32	WG1258976
1,3-Dichlorobenzene	U		0.00195	0.00573	1.06	04/01/2019 17:32	WG1258976
1,4-Dichlorobenzene	U		0.00226	0.00573	1.06	04/01/2019 17:32	WG1258976
Dichlorodifluoromethane	U		0.000938	0.00287	1.06	04/01/2019 17:32	WG1258976
1,1-Dichloroethane	U		0.000660	0.00287	1.06	04/01/2019 17:32	WG1258976
1,2-Dichloroethane	U		0.000545	0.00287	1.06	04/01/2019 17:32	WG1258976
1,1-Dichloroethene	U		0.000573	0.00287	1.06	04/01/2019 17:32	WG1258976
cis-1,2-Dichloroethene	U		0.000791	0.00287	1.06	04/01/2019 17:32	WG1258976
trans-1,2-Dichloroethene	U		0.00164	0.00573	1.06	04/01/2019 17:32	WG1258976
1,2-Dichloropropane	U		0.00146	0.00573	1.06	04/01/2019 17:32	WG1258976
1,1-Dichloropropene	U		0.000803	0.00287	1.06	04/01/2019 17:32	WG1258976
1,3-Dichloropropane	U		0.00201	0.00573	1.06	04/01/2019 17:32	WG1258976
cis-1,3-Dichloropropene	U		0.000778	0.00287	1.06	04/01/2019 17:32	WG1258976
trans-1,3-Dichloropropene	U		0.00175	0.00573	1.06	04/01/2019 17:32	WG1258976
trans-1,4-Dichloro-2-butene	U		0.00160	0.00573	1.06	04/01/2019 17:32	WG1258976
2,2-Dichloropropane	U		0.000909	0.00287	1.06	04/01/2019 17:32	WG1258976
Di-isopropyl ether	U		0.000401	0.00115	1.06	04/01/2019 17:32	WG1258976
Ethylbenzene	U		0.000608	0.00287	1.06	04/01/2019 17:32	WG1258976
Hexachloro-1,3-butadiene	U		0.0146	0.0287	1.06	04/01/2019 17:32	WG1258976
2-Hexanone	U		0.0115	0.0287	1.06	04/01/2019 17:32	WG1258976
n-Hexane	0.00150	J	0.00121	0.00573	1.06	04/01/2019 17:32	WG1258976
Iodomethane	U		0.00693	0.0143	1.06	04/01/2019 17:32	WG1258976
Isopropylbenzene	U		0.000990	0.00287	1.06	04/01/2019 17:32	WG1258976
p-Isopropyltoluene	U		0.00267	0.00573	1.06	04/01/2019 17:32	WG1258976
2-Butanone (MEK)	U		0.0143	0.0287	1.06	04/01/2019 17:32	WG1258976
Methylene Chloride	0.0117	J	0.00761	0.0287	1.06	04/01/2019 17:32	WG1258976
4-Methyl-2-pentanone (MIBK)	U		0.0115	0.0287	1.06	04/01/2019 17:32	WG1258976

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000339	0.00115	1.06	04/01/2019 17:32	WG1258976
Naphthalene	U		0.00358	0.0143	1.06	04/01/2019 17:32	WG1258976
n-Propylbenzene	U		0.00135	0.00573	1.06	04/01/2019 17:32	WG1258976
Styrene	U		0.00313	0.0143	1.06	04/01/2019 17:32	WG1258976
1,1,1,2-Tetrachloroethane	U		0.000573	0.00287	1.06	04/01/2019 17:32	WG1258976
1,1,2,2-Tetrachloroethane	U		0.000447	0.00287	1.06	04/01/2019 17:32	WG1258976
1,1,2-Trichlorotrifluoroethane	U		0.000774	0.00287	1.06	04/01/2019 17:32	WG1258976
Tetrachloroethene	U		0.000803	0.00287	1.06	04/01/2019 18:31	WG1259054
Toluene	U		0.00143	0.00573	1.06	04/01/2019 17:32	WG1258976
1,2,3-Trichlorobenzene	U		0.000716	0.00287	1.06	04/01/2019 17:32	WG1258976
1,2,4-Trichlorobenzene	U		0.00553	0.0143	1.06	04/01/2019 17:32	WG1258976
1,1,1-Trichloroethane	U		0.000316	0.00287	1.06	04/01/2019 17:32	WG1258976
1,1,2-Trichloroethane	U		0.00101	0.00287	1.06	04/01/2019 17:32	WG1258976
Trichloroethene	U		0.000459	0.00115	1.06	04/01/2019 17:32	WG1258976
Trichlorofluoromethane	U		0.000573	0.00287	1.06	04/01/2019 17:32	WG1258976
1,2,3-Trichloropropane	U		0.00585	0.0143	1.06	04/01/2019 17:32	WG1258976
1,2,4-Trimethylbenzene	U		0.00133	0.00573	1.06	04/01/2019 17:32	WG1258976
1,2,3-Trimethylbenzene	U		0.00132	0.00573	1.06	04/01/2019 17:32	WG1258976
1,3,5-Trimethylbenzene	U		0.00123	0.00573	1.06	04/01/2019 17:32	WG1258976
Vinyl acetate	U		0.00403	0.0143	1.06	04/01/2019 17:32	WG1258976
Vinyl chloride	U		0.000783	0.00287	1.06	04/01/2019 17:32	WG1258976
Xylenes, Total	U		0.00548	0.00745	1.06	04/01/2019 17:32	WG1258976
(S) Toluene-d8	*105*			*75.0-131*		*04/01/2019 17:32*	WG1258976
(S) Toluene-d8	*93.4*			*75.0-131*		*04/01/2019 18:31*	WG1259054
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*04/01/2019 17:32*	WG1258976
(S) 4-Bromofluorobenzene	*80.3*			*67.0-138*		*04/01/2019 18:31*	WG1259054
(S) 1,2-Dichloroethane-d4	*95.6*			*70.0-130*		*04/01/2019 17:32*	WG1258976
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*04/01/2019 18:31*	WG1259054

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.3		1	04/01/2019 16:26	WG1258846

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0162	0.0296	1.08	04/01/2019 18:11	WG1259054
Acrylonitrile	U		0.00225	0.0148	1.08	04/01/2019 17:52	WG1258976
Benzene	U		0.000473	0.00118	1.08	04/01/2019 17:52	WG1258976
Bromobenzene	U		0.00124	0.0148	1.08	04/01/2019 17:52	WG1258976
Bromodichloromethane	U		0.000932	0.00296	1.08	04/01/2019 17:52	WG1258976
Bromochloromethane	U		0.00134	0.00592	1.08	04/01/2019 17:52	WG1258976
Bromoform	U		0.00708	0.0296	1.08	04/01/2019 17:52	WG1258976
Bromomethane	U		0.00438	0.0148	1.08	04/01/2019 17:52	WG1258976
n-Butylbenzene	U		0.00455	0.0148	1.08	04/01/2019 17:52	WG1258976
sec-Butylbenzene	U		0.00299	0.0148	1.08	04/01/2019 17:52	WG1258976
tert-Butylbenzene	U		0.00183	0.00592	1.08	04/01/2019 17:52	WG1258976
Carbon disulfide	U		0.00480	0.0148	1.08	04/01/2019 17:52	WG1258976
Carbon tetrachloride	U		0.00128	0.00592	1.08	04/01/2019 17:52	WG1258976
Chlorobenzene	U		0.000678	0.00296	1.08	04/01/2019 17:52	WG1258976
Chlorodibromomethane	U		0.000532	0.00296	1.08	04/01/2019 17:52	WG1258976
Chloroethane	U		0.00128	0.00592	1.08	04/01/2019 17:52	WG1258976
Chloroform	U		0.000491	0.00296	1.08	04/01/2019 17:52	WG1258976
Chloromethane	U		0.00164	0.0148	1.08	04/01/2019 17:52	WG1258976
2-Chlorotoluene	U		0.00109	0.00296	1.08	04/01/2019 17:52	WG1258976
4-Chlorotoluene	U		0.00134	0.00592	1.08	04/01/2019 17:52	WG1258976
1,2-Dibromo-3-Chloropropane	U		0.00604	0.0296	1.08	04/01/2019 17:52	WG1258976
1,2-Dibromoethane	U		0.000621	0.00296	1.08	04/01/2019 17:52	WG1258976
Dibromomethane	U		0.00118	0.00592	1.08	04/01/2019 17:52	WG1258976
1,2-Dichlorobenzene	U		0.00172	0.00592	1.08	04/01/2019 17:52	WG1258976
1,3-Dichlorobenzene	U		0.00202	0.00592	1.08	04/01/2019 17:52	WG1258976
1,4-Dichlorobenzene	U		0.00233	0.00592	1.08	04/01/2019 17:52	WG1258976
Dichlorodifluoromethane	U		0.000967	0.00296	1.08	04/01/2019 17:52	WG1258976
1,1-Dichloroethane	U		0.000680	0.00296	1.08	04/01/2019 17:52	WG1258976
1,2-Dichloroethane	U		0.000562	0.00296	1.08	04/01/2019 17:52	WG1258976
1,1-Dichloroethene	U		0.000592	0.00296	1.08	04/01/2019 17:52	WG1258976
cis-1,2-Dichloroethene	U		0.000816	0.00296	1.08	04/01/2019 17:52	WG1258976
trans-1,2-Dichloroethene	U		0.00169	0.00592	1.08	04/01/2019 17:52	WG1258976
1,2-Dichloropropane	U		0.00150	0.00592	1.08	04/01/2019 17:52	WG1258976
1,1-Dichloropropene	U		0.000828	0.00296	1.08	04/01/2019 17:52	WG1258976
1,3-Dichloropropane	U		0.00207	0.00592	1.08	04/01/2019 17:52	WG1258976
cis-1,3-Dichloropropene	U		0.000802	0.00296	1.08	04/01/2019 17:52	WG1258976
trans-1,3-Dichloropropene	U		0.00181	0.00592	1.08	04/01/2019 17:52	WG1258976
trans-1,4-Dichloro-2-butene	U		0.00165	0.00592	1.08	04/01/2019 17:52	WG1258976
2,2-Dichloropropane	U		0.000938	0.00296	1.08	04/01/2019 17:52	WG1258976
Di-isopropyl ether	U		0.000414	0.00118	1.08	04/01/2019 17:52	WG1258976
Ethylbenzene	U		0.000627	0.00296	1.08	04/01/2019 17:52	WG1258976
Hexachloro-1,3-butadiene	U		0.0150	0.0296	1.08	04/01/2019 17:52	WG1258976
2-Hexanone	U		0.0118	0.0296	1.08	04/01/2019 17:52	WG1258976
n-Hexane	0.00134	J	0.00125	0.00592	1.08	04/01/2019 17:52	WG1258976
Iodomethane	U		0.00715	0.0148	1.08	04/01/2019 17:52	WG1258976
Isopropylbenzene	U		0.00102	0.00296	1.08	04/01/2019 17:52	WG1258976
p-Isopropyltoluene	U		0.00276	0.00592	1.08	04/01/2019 17:52	WG1258976
2-Butanone (MEK)	U		0.0148	0.0296	1.08	04/01/2019 17:52	WG1258976
Methylene Chloride	0.00925	J	0.00785	0.0296	1.08	04/01/2019 17:52	WG1258976
4-Methyl-2-pentanone (MIBK)	U		0.0118	0.0296	1.08	04/01/2019 17:52	WG1258976

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000349	0.00118	1.08	04/01/2019 17:52	WG1258976
Naphthalene	U		0.00369	0.0148	1.08	04/01/2019 17:52	WG1258976
n-Propylbenzene	U		0.00139	0.00592	1.08	04/01/2019 17:52	WG1258976
Styrene	U		0.00323	0.0148	1.08	04/01/2019 17:52	WG1258976
1,1,1,2-Tetrachloroethane	U		0.000592	0.00296	1.08	04/01/2019 17:52	WG1258976
1,1,2,2-Tetrachloroethane	U		0.000461	0.00296	1.08	04/01/2019 17:52	WG1258976
1,1,2-Trichlorotrifluoroethane	U		0.000799	0.00296	1.08	04/01/2019 17:52	WG1258976
Tetrachloroethene	U		0.000828	0.00296	1.08	04/01/2019 18:11	WG1259054
Toluene	U		0.00148	0.00592	1.08	04/01/2019 17:52	WG1258976
1,2,3-Trichlorobenzene	U		0.000739	0.00296	1.08	04/01/2019 17:52	WG1258976
1,2,4-Trichlorobenzene	U		0.00570	0.0148	1.08	04/01/2019 17:52	WG1258976
1,1,1-Trichloroethane	U		0.000325	0.00296	1.08	04/01/2019 17:52	WG1258976
1,1,2-Trichloroethane	U		0.00105	0.00296	1.08	04/01/2019 17:52	WG1258976
Trichloroethene	U		0.000473	0.00118	1.08	04/01/2019 17:52	WG1258976
Trichlorofluoromethane	U		0.000592	0.00296	1.08	04/01/2019 17:52	WG1258976
1,2,3-Trichloropropane	U		0.00604	0.0148	1.08	04/01/2019 17:52	WG1258976
1,2,4-Trimethylbenzene	U		0.00137	0.00592	1.08	04/01/2019 17:52	WG1258976
1,2,3-Trimethylbenzene	U		0.00136	0.00592	1.08	04/01/2019 17:52	WG1258976
1,3,5-Trimethylbenzene	U		0.00128	0.00592	1.08	04/01/2019 17:52	WG1258976
Vinyl acetate	U		0.00416	0.0148	1.08	04/01/2019 17:52	WG1258976
Vinyl chloride	U		0.000808	0.00296	1.08	04/01/2019 17:52	WG1258976
Xylenes, Total	U		0.00565	0.00769	1.08	04/01/2019 17:52	WG1258976
(S) Toluene-d8	*104*			*75.0-131*		*04/01/2019 17:52*	WG1258976
(S) Toluene-d8	*94.9*			*75.0-131*		*04/01/2019 18:11*	WG1259054
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*04/01/2019 17:52*	WG1258976
(S) 4-Bromofluorobenzene	*78.8*			*67.0-138*		*04/01/2019 18:11*	WG1259054
(S) 1,2-Dichloroethane-d4	*97.3*			*70.0-130*		*04/01/2019 17:52*	WG1258976
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*04/01/2019 18:11*	WG1259054

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.8		1	04/01/2019 16:26	WG1258846

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0261	J	0.0148	0.0270	1	04/02/2019 20:21	WG1259714
Acrylonitrile	U		0.00205	0.0135	1	04/01/2019 18:54	WG1258976
Benzene	U		0.000431	0.00108	1	04/01/2019 18:54	WG1258976
Bromobenzene	U		0.00113	0.0135	1	04/01/2019 18:54	WG1258976
Bromodichloromethane	U		0.000850	0.00270	1	04/01/2019 18:54	WG1258976
Bromochloromethane	U		0.00122	0.00539	1	04/01/2019 18:54	WG1258976
Bromoform	U		0.00645	0.0270	1	04/01/2019 18:54	WG1258976
Bromomethane	U		0.00399	0.0135	1	04/01/2019 18:54	WG1258976
n-Butylbenzene	U		0.00414	0.0135	1	04/01/2019 18:54	WG1258976
sec-Butylbenzene	U		0.00273	0.0135	1	04/01/2019 18:54	WG1258976
tert-Butylbenzene	U		0.00167	0.00539	1	04/01/2019 18:54	WG1258976
Carbon disulfide	0.0141		0.00438	0.0135	1	04/01/2019 18:54	WG1258976
Carbon tetrachloride	U		0.00116	0.00539	1	04/01/2019 18:54	WG1258976
Chlorobenzene	U		0.000618	0.00270	1	04/01/2019 18:54	WG1258976
Chlorodibromomethane	U		0.000485	0.00270	1	04/01/2019 18:54	WG1258976
Chloroethane	U		0.00116	0.00539	1	04/01/2019 18:54	WG1258976
Chloroform	U		0.000447	0.00270	1	04/01/2019 18:54	WG1258976
Chloromethane	U		0.00150	0.0135	1	04/01/2019 18:54	WG1258976
2-Chlorotoluene	U		0.000992	0.00270	1	04/01/2019 18:54	WG1258976
4-Chlorotoluene	U		0.00122	0.00539	1	04/01/2019 18:54	WG1258976
1,2-Dibromo-3-Chloropropane	U		0.00550	0.0270	1	04/01/2019 18:54	WG1258976
1,2-Dibromoethane	U		0.000566	0.00270	1	04/01/2019 18:54	WG1258976
Dibromomethane	U		0.00108	0.00539	1	04/01/2019 18:54	WG1258976
1,2-Dichlorobenzene	U		0.00156	0.00539	1	04/01/2019 18:54	WG1258976
1,3-Dichlorobenzene	U		0.00183	0.00539	1	04/01/2019 18:54	WG1258976
1,4-Dichlorobenzene	U		0.00212	0.00539	1	04/01/2019 18:54	WG1258976
Dichlorodifluoromethane	U		0.000882	0.00270	1	04/01/2019 18:54	WG1258976
1,1-Dichloroethane	U		0.000620	0.00270	1	04/01/2019 18:54	WG1258976
1,2-Dichloroethane	U		0.000512	0.00270	1	04/01/2019 18:54	WG1258976
1,1-Dichloroethene	U		0.000539	0.00270	1	04/01/2019 18:54	WG1258976
cis-1,2-Dichloroethene	0.0215		0.000744	0.00270	1	04/01/2019 18:54	WG1258976
trans-1,2-Dichloroethene	U		0.00154	0.00539	1	04/01/2019 18:54	WG1258976
1,2-Dichloropropane	U		0.00137	0.00539	1	04/01/2019 18:54	WG1258976
1,1-Dichloropropene	U		0.000755	0.00270	1	04/01/2019 18:54	WG1258976
1,3-Dichloropropane	U		0.00189	0.00539	1	04/01/2019 18:54	WG1258976
cis-1,3-Dichloropropene	U		0.000731	0.00270	1	04/01/2019 18:54	WG1258976
trans-1,3-Dichloropropene	U		0.00165	0.00539	1	04/01/2019 18:54	WG1258976
trans-1,4-Dichloro-2-butene	U		0.00151	0.00539	1	04/01/2019 18:54	WG1258976
2,2-Dichloropropane	U		0.000855	0.00270	1	04/01/2019 18:54	WG1258976
Di-isopropyl ether	U		0.000377	0.00108	1	04/01/2019 18:54	WG1258976
Ethylbenzene	U		0.000571	0.00270	1	04/01/2019 18:54	WG1258976
Hexachloro-1,3-butadiene	U		0.0137	0.0270	1	04/01/2019 18:54	WG1258976
2-Hexanone	U		0.0108	0.0270	1	04/01/2019 18:54	WG1258976
n-Hexane	0.00496	J	0.00114	0.00539	1	04/01/2019 18:54	WG1258976
Iodomethane	U		0.00652	0.0135	1	04/01/2019 18:54	WG1258976
Isopropylbenzene	U		0.000930	0.00270	1	04/01/2019 18:54	WG1258976
p-Isopropyltoluene	U		0.00251	0.00539	1	04/01/2019 18:54	WG1258976
2-Butanone (MEK)	U		0.0135	0.0270	1	04/01/2019 18:54	WG1258976
Methylene Chloride	0.00824	J	0.00716	0.0270	1	04/01/2019 18:54	WG1258976
4-Methyl-2-pentanone (MIBK)	U		0.0108	0.0270	1	04/01/2019 18:54	WG1258976

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000318	0.00108	1	04/01/2019 18:54	WG1258976
Naphthalene	U		0.00336	0.0135	1	04/01/2019 18:54	WG1258976
n-Propylbenzene	U		0.00127	0.00539	1	04/01/2019 18:54	WG1258976
Styrene	U		0.00294	0.0135	1	04/01/2019 18:54	WG1258976
1,1,1,2-Tetrachloroethane	U		0.000539	0.00270	1	04/01/2019 18:54	WG1258976
1,1,2,2-Tetrachloroethane	U		0.000420	0.00270	1	04/01/2019 18:54	WG1258976
1,1,2-Trichlorotrifluoroethane	U		0.000728	0.00270	1	04/01/2019 18:54	WG1258976
Tetrachloroethene	2.06		0.000755	0.00270	1	04/01/2019 18:54	WG1258976
Toluene	U		0.00135	0.00539	1	04/01/2019 18:54	WG1258976
1,2,3-Trichlorobenzene	U		0.000674	0.00270	1	04/01/2019 18:54	WG1258976
1,2,4-Trichlorobenzene	U		0.00520	0.0135	1	04/01/2019 18:54	WG1258976
1,1,1-Trichloroethane	U		0.000296	0.00270	1	04/01/2019 18:54	WG1258976
1,1,2-Trichloroethane	U		0.000952	0.00270	1	04/01/2019 18:54	WG1258976
Trichloroethene	0.0810		0.000431	0.00108	1	04/01/2019 18:54	WG1258976
Trichlorofluoromethane	U		0.000539	0.00270	1	04/01/2019 18:54	WG1258976
1,2,3-Trichloropropane	U		0.00550	0.0135	1	04/01/2019 18:54	WG1258976
1,2,4-Trimethylbenzene	U		0.00125	0.00539	1	04/01/2019 18:54	WG1258976
1,2,3-Trimethylbenzene	U		0.00124	0.00539	1	04/01/2019 18:54	WG1258976
1,3,5-Trimethylbenzene	U		0.00116	0.00539	1	04/01/2019 18:54	WG1258976
Vinyl acetate	U		0.00379	0.0135	1	04/01/2019 18:54	WG1258976
Vinyl chloride	U		0.000736	0.00270	1	04/01/2019 18:54	WG1258976
Xylenes, Total	U		0.00515	0.00701	1	04/01/2019 18:54	WG1258976
(S) Toluene-d8	*105*			*75.0-131*		*04/01/2019 18:54*	WG1258976
(S) Toluene-d8	*93.7*			*75.0-131*		*04/02/2019 20:21*	WG1259714
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*04/01/2019 18:54*	WG1258976
(S) 4-Bromofluorobenzene	*77.4*			*67.0-138*		*04/02/2019 20:21*	WG1259714
(S) 1,2-Dichloroethane-d4	*95.8*			*70.0-130*		*04/01/2019 18:54*	WG1258976
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*04/02/2019 20:21*	WG1259714

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.2		1	04/01/2019 16:26	WG1258846

Volatile Organic Compounds (GC/MS) 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	0.0152	0.0277	1	04/02/2019 20:41	WG1259714
Acrylonitrile	U		0.00211	0.0139	1	04/01/2019 19:14	WG1258976
Benzene	U		0.000443	0.00111	1	04/01/2019 19:14	WG1258976
Bromobenzene	U		0.00116	0.0139	1	04/01/2019 19:14	WG1258976
Bromodichloromethane	U		0.000873	0.00277	1	04/01/2019 19:14	WG1258976
Bromochloromethane	U		0.00125	0.00554	1	04/01/2019 19:14	WG1258976
Bromoform	U		0.00663	0.0277	1	04/01/2019 19:14	WG1258976
Bromomethane	U		0.00410	0.0139	1	04/01/2019 19:14	WG1258976
n-Butylbenzene	U		0.00426	0.0139	1	04/01/2019 19:14	WG1258976
sec-Butylbenzene	U		0.00280	0.0139	1	04/01/2019 19:14	WG1258976
tert-Butylbenzene	U		0.00172	0.00554	1	04/01/2019 19:14	WG1258976
Carbon disulfide	U		0.00450	0.0139	1	04/01/2019 19:14	WG1258976
Carbon tetrachloride	U		0.00120	0.00554	1	04/01/2019 19:14	WG1258976
Chlorobenzene	U		0.000635	0.00277	1	04/01/2019 19:14	WG1258976
Chlorodibromomethane	U		0.000499	0.00277	1	04/01/2019 19:14	WG1258976
Chloroethane	U		0.00120	0.00554	1	04/01/2019 19:14	WG1258976
Chloroform	U		0.000460	0.00277	1	04/01/2019 19:14	WG1258976
Chloromethane	U		0.00154	0.0139	1	04/01/2019 19:14	WG1258976
2-Chlorotoluene	U		0.00102	0.00277	1	04/01/2019 19:14	WG1258976
4-Chlorotoluene	U		0.00125	0.00554	1	04/01/2019 19:14	WG1258976
1,2-Dibromo-3-Chloropropane	U		0.00565	0.0277	1	04/01/2019 19:14	WG1258976
1,2-Dibromoethane	U		0.000582	0.00277	1	04/01/2019 19:14	WG1258976
Dibromomethane	U		0.00111	0.00554	1	04/01/2019 19:14	WG1258976
1,2-Dichlorobenzene	U		0.00161	0.00554	1	04/01/2019 19:14	WG1258976
1,3-Dichlorobenzene	U		0.00188	0.00554	1	04/01/2019 19:14	WG1258976
1,4-Dichlorobenzene	U		0.00218	0.00554	1	04/01/2019 19:14	WG1258976
Dichlorodifluoromethane	U		0.000906	0.00277	1	04/01/2019 19:14	WG1258976
1,1-Dichloroethane	U		0.000637	0.00277	1	04/01/2019 19:14	WG1258976
1,2-Dichloroethane	U		0.000526	0.00277	1	04/01/2019 19:14	WG1258976
1,1-Dichloroethene	U		0.000554	0.00277	1	04/01/2019 19:14	WG1258976
cis-1,2-Dichloroethene	U		0.000765	0.00277	1	04/01/2019 19:14	WG1258976
trans-1,2-Dichloroethene	U		0.00158	0.00554	1	04/01/2019 19:14	WG1258976
1,2-Dichloropropane	U		0.00141	0.00554	1	04/01/2019 19:14	WG1258976
1,1-Dichloropropene	U		0.000776	0.00277	1	04/01/2019 19:14	WG1258976
1,3-Dichloropropane	U		0.00194	0.00554	1	04/01/2019 19:14	WG1258976
cis-1,3-Dichloropropene	U		0.000751	0.00277	1	04/01/2019 19:14	WG1258976
trans-1,3-Dichloropropene	U		0.00170	0.00554	1	04/01/2019 19:14	WG1258976
trans-1,4-Dichloro-2-butene	U		0.00155	0.00554	1	04/01/2019 19:14	WG1258976
2,2-Dichloropropane	U		0.000879	0.00277	1	04/01/2019 19:14	WG1258976
Di-isopropyl ether	U		0.000388	0.00111	1	04/01/2019 19:14	WG1258976
Ethylbenzene	U		0.000587	0.00277	1	04/01/2019 19:14	WG1258976
Hexachloro-1,3-butadiene	U		0.0141	0.0277	1	04/01/2019 19:14	WG1258976
2-Hexanone	U		0.0111	0.0277	1	04/01/2019 19:14	WG1258976
n-Hexane	0.00370	J	0.00117	0.00554	1	04/01/2019 19:14	WG1258976
Iodomethane	U		0.00670	0.0139	1	04/01/2019 19:14	WG1258976
Isopropylbenzene	U		0.000956	0.00277	1	04/01/2019 19:14	WG1258976
p-Isopropyltoluene	U		0.00258	0.00554	1	04/01/2019 19:14	WG1258976
2-Butanone (MEK)	U		0.0139	0.0277	1	04/01/2019 19:14	WG1258976
Methylene Chloride	0.00949	J	0.00736	0.0277	1	04/01/2019 19:14	WG1258976
4-Methyl-2-pentanone (MIBK)	U		0.0111	0.0277	1	04/01/2019 19:14	WG1258976

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000327	0.00111	1	04/01/2019 19:14	WG1258976
Naphthalene	U		0.00346	0.0139	1	04/01/2019 19:14	WG1258976
n-Propylbenzene	U		0.00131	0.00554	1	04/01/2019 19:14	WG1258976
Styrene	U		0.00303	0.0139	1	04/01/2019 19:14	WG1258976
1,1,1,2-Tetrachloroethane	U		0.000554	0.00277	1	04/01/2019 19:14	WG1258976
1,1,2,2-Tetrachloroethane	U		0.000432	0.00277	1	04/01/2019 19:14	WG1258976
1,1,2-Trichlorotrifluoroethane	U		0.000748	0.00277	1	04/01/2019 19:14	WG1258976
Tetrachloroethene	0.00395		0.000776	0.00277	1	04/01/2019 19:14	WG1258976
Toluene	U		0.00139	0.00554	1	04/01/2019 19:14	WG1258976
1,2,3-Trichlorobenzene	U		0.000693	0.00277	1	04/01/2019 19:14	WG1258976
1,2,4-Trichlorobenzene	U		0.00534	0.0139	1	04/01/2019 19:14	WG1258976
1,1,1-Trichloroethane	U		0.000305	0.00277	1	04/01/2019 19:14	WG1258976
1,1,2-Trichloroethane	U		0.000978	0.00277	1	04/01/2019 19:14	WG1258976
Trichloroethene	U		0.000443	0.00111	1	04/01/2019 19:14	WG1258976
Trichlorofluoromethane	U		0.000554	0.00277	1	04/01/2019 19:14	WG1258976
1,2,3-Trichloropropane	U		0.00565	0.0139	1	04/01/2019 19:14	WG1258976
1,2,4-Trimethylbenzene	U		0.00129	0.00554	1	04/01/2019 19:14	WG1258976
1,2,3-Trimethylbenzene	U		0.00127	0.00554	1	04/01/2019 19:14	WG1258976
1,3,5-Trimethylbenzene	U		0.00120	0.00554	1	04/01/2019 19:14	WG1258976
Vinyl acetate	U		0.00390	0.0139	1	04/01/2019 19:14	WG1258976
Vinyl chloride	U		0.000757	0.00277	1	04/01/2019 19:14	WG1258976
Xylenes, Total	U		0.00530	0.00720	1	04/01/2019 19:14	WG1258976
(S) Toluene-d8	*106*			*75.0-131*		*04/01/2019 19:14*	WG1258976
(S) Toluene-d8	*93.2*			*75.0-131*		*04/02/2019 20:41*	WG1259714
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*04/01/2019 19:14*	WG1258976
(S) 4-Bromofluorobenzene	*78.7*			*67.0-138*		*04/02/2019 20:41*	WG1259714
(S) 1,2-Dichloroethane-d4	*97.6*			*70.0-130*		*04/01/2019 19:14*	WG1258976
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*04/02/2019 20:41*	WG1259714

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	88.3		1	04/01/2019 16:26	WG1258846

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0361		0.0155	0.0283	1	04/02/2019 21:01	WG1259714
Acrylonitrile	U		0.00215	0.0142	1	04/01/2019 19:34	WG1258976
Benzene	U		0.000453	0.00113	1	04/01/2019 19:34	WG1258976
Bromobenzene	U		0.00119	0.0142	1	04/01/2019 19:34	WG1258976
Bromodichloromethane	U		0.000893	0.00283	1	04/01/2019 19:34	WG1258976
Bromochloromethane	U		0.00128	0.00566	1	04/01/2019 19:34	WG1258976
Bromoform	U		0.00677	0.0283	1	04/01/2019 19:34	WG1258976
Bromomethane	U		0.00419	0.0142	1	04/01/2019 19:34	WG1258976
n-Butylbenzene	U		0.00435	0.0142	1	04/01/2019 19:34	WG1258976
sec-Butylbenzene	U		0.00287	0.0142	1	04/01/2019 19:34	WG1258976
tert-Butylbenzene	U		0.00176	0.00566	1	04/01/2019 19:34	WG1258976
Carbon disulfide	U		0.00460	0.0142	1	04/01/2019 19:34	WG1258976
Carbon tetrachloride	U		0.00122	0.00566	1	04/01/2019 19:34	WG1258976
Chlorobenzene	U		0.000649	0.00283	1	04/01/2019 19:34	WG1258976
Chlorodibromomethane	U		0.000510	0.00283	1	04/01/2019 19:34	WG1258976
Chloroethane	U		0.00122	0.00566	1	04/01/2019 19:34	WG1258976
Chloroform	U		0.000470	0.00283	1	04/01/2019 19:34	WG1258976
Chloromethane	U		0.00157	0.0142	1	04/01/2019 19:34	WG1258976
2-Chlorotoluene	U		0.00104	0.00283	1	04/01/2019 19:34	WG1258976
4-Chlorotoluene	U		0.00128	0.00566	1	04/01/2019 19:34	WG1258976
1,2-Dibromo-3-Chloropropane	U		0.00578	0.0283	1	04/01/2019 19:34	WG1258976
1,2-Dibromoethane	U		0.000595	0.00283	1	04/01/2019 19:34	WG1258976
Dibromomethane	U		0.00113	0.00566	1	04/01/2019 19:34	WG1258976
1,2-Dichlorobenzene	U		0.00164	0.00566	1	04/01/2019 19:34	WG1258976
1,3-Dichlorobenzene	U		0.00193	0.00566	1	04/01/2019 19:34	WG1258976
1,4-Dichlorobenzene	U		0.00223	0.00566	1	04/01/2019 19:34	WG1258976
Dichlorodifluoromethane	U		0.000927	0.00283	1	04/01/2019 19:34	WG1258976
1,1-Dichloroethane	U		0.000651	0.00283	1	04/01/2019 19:34	WG1258976
1,2-Dichloroethane	U		0.000538	0.00283	1	04/01/2019 19:34	WG1258976
1,1-Dichloroethene	U		0.000566	0.00283	1	04/01/2019 19:34	WG1258976
cis-1,2-Dichloroethene	0.307		0.000782	0.00283	1	04/01/2019 19:34	WG1258976
trans-1,2-Dichloroethene	U		0.00162	0.00566	1	04/01/2019 19:34	WG1258976
1,2-Dichloropropane	U		0.00144	0.00566	1	04/01/2019 19:34	WG1258976
1,1-Dichloropropene	U		0.000793	0.00283	1	04/01/2019 19:34	WG1258976
1,3-Dichloropropane	U		0.00198	0.00566	1	04/01/2019 19:34	WG1258976
cis-1,3-Dichloropropene	U		0.000768	0.00283	1	04/01/2019 19:34	WG1258976
trans-1,3-Dichloropropene	U		0.00173	0.00566	1	04/01/2019 19:34	WG1258976
trans-1,4-Dichloro-2-butene	U		0.00159	0.00566	1	04/01/2019 19:34	WG1258976
2,2-Dichloropropane	U		0.000898	0.00283	1	04/01/2019 19:34	WG1258976
Di-isopropyl ether	U		0.000396	0.00113	1	04/01/2019 19:34	WG1258976
Ethylbenzene	U		0.000600	0.00283	1	04/01/2019 19:34	WG1258976
Hexachloro-1,3-butadiene	U		0.0144	0.0283	1	04/01/2019 19:34	WG1258976
2-Hexanone	U		0.0113	0.0283	1	04/01/2019 19:34	WG1258976
n-Hexane	U		0.00120	0.00566	1	04/01/2019 19:34	WG1258976
Iodomethane	U		0.00685	0.0142	1	04/01/2019 19:34	WG1258976
Isopropylbenzene	U		0.000978	0.00283	1	04/01/2019 19:34	WG1258976
p-Isopropyltoluene	U		0.00264	0.00566	1	04/01/2019 19:34	WG1258976
2-Butanone (MEK)	0.0353		0.0142	0.0283	1	04/01/2019 19:34	WG1258976
Methylene Chloride	0.0106	J	0.00752	0.0283	1	04/01/2019 19:34	WG1258976
4-Methyl-2-pentanone (MIBK)	U		0.0113	0.0283	1	04/01/2019 19:34	WG1258976

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000334	0.00113	1	04/01/2019 19:34	WG1258976
Naphthalene	U		0.00353	0.0142	1	04/01/2019 19:34	WG1258976
n-Propylbenzene	U		0.00134	0.00566	1	04/01/2019 19:34	WG1258976
Styrene	U		0.00309	0.0142	1	04/01/2019 19:34	WG1258976
1,1,1,2-Tetrachloroethane	U		0.000566	0.00283	1	04/01/2019 19:34	WG1258976
1,1,2,2-Tetrachloroethane	U		0.000442	0.00283	1	04/01/2019 19:34	WG1258976
1,1,2-Trichlorotrifluoroethane	U		0.000765	0.00283	1	04/01/2019 19:34	WG1258976
Tetrachloroethene	0.600		0.000793	0.00283	1	04/01/2019 19:34	WG1258976
Toluene	0.00229	J	0.00142	0.00566	1	04/01/2019 19:34	WG1258976
1,2,3-Trichlorobenzene	U		0.000708	0.00283	1	04/01/2019 19:34	WG1258976
1,2,4-Trichlorobenzene	U		0.00546	0.0142	1	04/01/2019 19:34	WG1258976
1,1,1-Trichloroethane	U		0.000311	0.00283	1	04/01/2019 19:34	WG1258976
1,1,2-Trichloroethane	U		0.00100	0.00283	1	04/01/2019 19:34	WG1258976
Trichloroethene	0.00903		0.000453	0.00113	1	04/01/2019 19:34	WG1258976
Trichlorofluoromethane	U		0.000566	0.00283	1	04/01/2019 19:34	WG1258976
1,2,3-Trichloropropane	U		0.00578	0.0142	1	04/01/2019 19:34	WG1258976
1,2,4-Trimethylbenzene	U		0.00131	0.00566	1	04/01/2019 19:34	WG1258976
1,2,3-Trimethylbenzene	U		0.00130	0.00566	1	04/01/2019 19:34	WG1258976
1,3,5-Trimethylbenzene	U		0.00122	0.00566	1	04/01/2019 19:34	WG1258976
Vinyl acetate	U		0.00399	0.0142	1	04/01/2019 19:34	WG1258976
Vinyl chloride	0.0933		0.000774	0.00283	1	04/01/2019 19:34	WG1258976
Xylenes, Total	U		0.00541	0.00736	1	04/01/2019 19:34	WG1258976
(S) Toluene-d8	*105*			*75.0-131*		*04/01/2019 19:34*	WG1258976
(S) Toluene-d8	*94.4*			*75.0-131*		*04/02/2019 21:01*	WG1259714
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*04/01/2019 19:34*	WG1258976
(S) 4-Bromofluorobenzene	*78.2*			*67.0-138*		*04/02/2019 21:01*	WG1259714
(S) 1,2-Dichloroethane-d4	*95.5*			*70.0-130*		*04/01/2019 19:34*	WG1258976
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*04/02/2019 21:01*	WG1259714

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.6		1	04/01/2019 16:26	WG1258846

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0321		0.0150	0.0273	1	04/02/2019 21:21	WG1259714
Acrylonitrile	U		0.00207	0.0136	1	04/01/2019 19:55	WG1258976
Benzene	U		0.000437	0.00109	1	04/01/2019 19:55	WG1258976
Bromobenzene	U		0.00115	0.0136	1	04/01/2019 19:55	WG1258976
Bromodichloromethane	U		0.000860	0.00273	1	04/01/2019 19:55	WG1258976
Bromochloromethane	U		0.00123	0.00546	1	04/01/2019 19:55	WG1258976
Bromoform	U		0.00653	0.0273	1	04/01/2019 19:55	WG1258976
Bromomethane	U		0.00404	0.0136	1	04/01/2019 19:55	WG1258976
n-Butylbenzene	U		0.00419	0.0136	1	04/01/2019 19:55	WG1258976
sec-Butylbenzene	U		0.00276	0.0136	1	04/01/2019 19:55	WG1258976
tert-Butylbenzene	U		0.00169	0.00546	1	04/01/2019 19:55	WG1258976
Carbon disulfide	U		0.00443	0.0136	1	04/01/2019 19:55	WG1258976
Carbon tetrachloride	U		0.00118	0.00546	1	04/01/2019 19:55	WG1258976
Chlorobenzene	U		0.000625	0.00273	1	04/01/2019 19:55	WG1258976
Chlorodibromomethane	U		0.000491	0.00273	1	04/01/2019 19:55	WG1258976
Chloroethane	U		0.00118	0.00546	1	04/01/2019 19:55	WG1258976
Chloroform	U		0.000453	0.00273	1	04/01/2019 19:55	WG1258976
Chloromethane	U		0.00152	0.0136	1	04/01/2019 19:55	WG1258976
2-Chlorotoluene	U		0.00100	0.00273	1	04/01/2019 19:55	WG1258976
4-Chlorotoluene	U		0.00123	0.00546	1	04/01/2019 19:55	WG1258976
1,2-Dibromo-3-Chloropropane	U		0.00557	0.0273	1	04/01/2019 19:55	WG1258976
1,2-Dibromoethane	U		0.000573	0.00273	1	04/01/2019 19:55	WG1258976
Dibromomethane	U		0.00109	0.00546	1	04/01/2019 19:55	WG1258976
1,2-Dichlorobenzene	U		0.00158	0.00546	1	04/01/2019 19:55	WG1258976
1,3-Dichlorobenzene	U		0.00186	0.00546	1	04/01/2019 19:55	WG1258976
1,4-Dichlorobenzene	U		0.00215	0.00546	1	04/01/2019 19:55	WG1258976
Dichlorodifluoromethane	U		0.000893	0.00273	1	04/01/2019 19:55	WG1258976
1,1-Dichloroethane	U		0.000628	0.00273	1	04/01/2019 19:55	WG1258976
1,2-Dichloroethane	U		0.000518	0.00273	1	04/01/2019 19:55	WG1258976
1,1-Dichloroethene	U		0.000546	0.00273	1	04/01/2019 19:55	WG1258976
cis-1,2-Dichloroethene	0.0961		0.000753	0.00273	1	04/01/2019 19:55	WG1258976
trans-1,2-Dichloroethene	U		0.00156	0.00546	1	04/01/2019 19:55	WG1258976
1,2-Dichloropropane	U		0.00139	0.00546	1	04/01/2019 19:55	WG1258976
1,1-Dichloropropene	U		0.000764	0.00273	1	04/01/2019 19:55	WG1258976
1,3-Dichloropropane	U		0.00191	0.00546	1	04/01/2019 19:55	WG1258976
cis-1,3-Dichloropropene	U		0.000740	0.00273	1	04/01/2019 19:55	WG1258976
trans-1,3-Dichloropropene	U		0.00167	0.00546	1	04/01/2019 19:55	WG1258976
trans-1,4-Dichloro-2-butene	U		0.00153	0.00546	1	04/01/2019 19:55	WG1258976
2,2-Dichloropropane	U		0.000865	0.00273	1	04/01/2019 19:55	WG1258976
Di-isopropyl ether	U		0.000382	0.00109	1	04/01/2019 19:55	WG1258976
Ethylbenzene	U		0.000578	0.00273	1	04/01/2019 19:55	WG1258976
Hexachloro-1,3-butadiene	U		0.0139	0.0273	1	04/01/2019 19:55	WG1258976
2-Hexanone	U		0.0109	0.0273	1	04/01/2019 19:55	WG1258976
n-Hexane	0.00221	J	0.00116	0.00546	1	04/01/2019 19:55	WG1258976
Iodomethane	U		0.00660	0.0136	1	04/01/2019 19:55	WG1258976
Isopropylbenzene	U		0.000942	0.00273	1	04/01/2019 19:55	WG1258976
p-Isopropyltoluene	U		0.00254	0.00546	1	04/01/2019 19:55	WG1258976
2-Butanone (MEK)	0.0427		0.0136	0.0273	1	04/01/2019 19:55	WG1258976
Methylene Chloride	0.00899	J	0.00725	0.0273	1	04/01/2019 19:55	WG1258976
4-Methyl-2-pentanone (MIBK)	U		0.0109	0.0273	1	04/01/2019 19:55	WG1258976

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000322	0.00109	1	04/01/2019 19:55	WG1258976
Naphthalene	U		0.00341	0.0136	1	04/01/2019 19:55	WG1258976
n-Propylbenzene	U		0.00129	0.00546	1	04/01/2019 19:55	WG1258976
Styrene	U		0.00298	0.0136	1	04/01/2019 19:55	WG1258976
1,1,1,2-Tetrachloroethane	U		0.000546	0.00273	1	04/01/2019 19:55	WG1258976
1,1,2,2-Tetrachloroethane	U		0.000426	0.00273	1	04/01/2019 19:55	WG1258976
1,1,2-Trichlorotrifluoroethane	U		0.000737	0.00273	1	04/01/2019 19:55	WG1258976
Tetrachloroethene	0.00192	J	0.000764	0.00273	1	04/01/2019 19:55	WG1258976
Toluene	U		0.00136	0.00546	1	04/01/2019 19:55	WG1258976
1,2,3-Trichlorobenzene	U		0.000682	0.00273	1	04/01/2019 19:55	WG1258976
1,2,4-Trichlorobenzene	U		0.00526	0.0136	1	04/01/2019 19:55	WG1258976
1,1,1-Trichloroethane	U		0.000300	0.00273	1	04/01/2019 19:55	WG1258976
1,1,2-Trichloroethane	U		0.000964	0.00273	1	04/01/2019 19:55	WG1258976
Trichloroethene	U		0.000437	0.00109	1	04/01/2019 19:55	WG1258976
Trichlorofluoromethane	U		0.000546	0.00273	1	04/01/2019 19:55	WG1258976
1,2,3-Trichloropropane	U		0.00557	0.0136	1	04/01/2019 19:55	WG1258976
1,2,4-Trimethylbenzene	U		0.00127	0.00546	1	04/01/2019 19:55	WG1258976
1,2,3-Trimethylbenzene	U		0.00126	0.00546	1	04/01/2019 19:55	WG1258976
1,3,5-Trimethylbenzene	U		0.00118	0.00546	1	04/01/2019 19:55	WG1258976
Vinyl acetate	U		0.00384	0.0136	1	04/01/2019 19:55	WG1258976
Vinyl chloride	0.0162		0.000745	0.00273	1	04/01/2019 19:55	WG1258976
Xylenes, Total	U		0.00522	0.00709	1	04/01/2019 19:55	WG1258976
(S) Toluene-d8	*103*			*75.0-131*		*04/01/2019 19:55*	WG1258976
(S) Toluene-d8	*93.2*			*75.0-131*		*04/02/2019 21:21*	WG1259714
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*04/01/2019 19:55*	WG1258976
(S) 4-Bromofluorobenzene	*81.7*			*67.0-138*		*04/02/2019 21:21*	WG1259714
(S) 1,2-Dichloroethane-d4	*97.6*			*70.0-130*		*04/01/2019 19:55*	WG1258976
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*04/02/2019 21:21*	WG1259714

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.4		1	04/01/2019 16:26	WG1258846

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0319		0.0150	0.0274	1	04/02/2019 21:41	WG1259714
Acrylonitrile	U		0.00208	0.0137	1	04/01/2019 20:15	WG1258976
Benzene	U		0.000438	0.00109	1	04/01/2019 20:15	WG1258976
Bromobenzene	U		0.00115	0.0137	1	04/01/2019 20:15	WG1258976
Bromodichloromethane	U		0.000863	0.00274	1	04/01/2019 20:15	WG1258976
Bromochloromethane	U		0.00124	0.00547	1	04/01/2019 20:15	WG1258976
Bromoform	U		0.00655	0.0274	1	04/01/2019 20:15	WG1258976
Bromomethane	U		0.00405	0.0137	1	04/01/2019 20:15	WG1258976
n-Butylbenzene	U		0.00420	0.0137	1	04/01/2019 20:15	WG1258976
sec-Butylbenzene	U		0.00277	0.0137	1	04/01/2019 20:15	WG1258976
tert-Butylbenzene	U		0.00170	0.00547	1	04/01/2019 20:15	WG1258976
Carbon disulfide	U		0.00444	0.0137	1	04/01/2019 20:15	WG1258976
Carbon tetrachloride	U		0.00118	0.00547	1	04/01/2019 20:15	WG1258976
Chlorobenzene	U		0.000627	0.00274	1	04/01/2019 20:15	WG1258976
Chlorodibromomethane	U		0.000493	0.00274	1	04/01/2019 20:15	WG1258976
Chloroethane	U		0.00118	0.00547	1	04/01/2019 20:15	WG1258976
Chloroform	U		0.000454	0.00274	1	04/01/2019 20:15	WG1258976
Chloromethane	U		0.00152	0.0137	1	04/01/2019 20:15	WG1258976
2-Chlorotoluene	U		0.00101	0.00274	1	04/01/2019 20:15	WG1258976
4-Chlorotoluene	U		0.00124	0.00547	1	04/01/2019 20:15	WG1258976
1,2-Dibromo-3-Chloropropane	U		0.00558	0.0274	1	04/01/2019 20:15	WG1258976
1,2-Dibromoethane	U		0.000575	0.00274	1	04/01/2019 20:15	WG1258976
Dibromomethane	U		0.00109	0.00547	1	04/01/2019 20:15	WG1258976
1,2-Dichlorobenzene	U		0.00159	0.00547	1	04/01/2019 20:15	WG1258976
1,3-Dichlorobenzene	U		0.00186	0.00547	1	04/01/2019 20:15	WG1258976
1,4-Dichlorobenzene	U		0.00216	0.00547	1	04/01/2019 20:15	WG1258976
Dichlorodifluoromethane	U		0.000895	0.00274	1	04/01/2019 20:15	WG1258976
1,1-Dichloroethane	U		0.000629	0.00274	1	04/01/2019 20:15	WG1258976
1,2-Dichloroethane	U		0.000520	0.00274	1	04/01/2019 20:15	WG1258976
1,1-Dichloroethene	U		0.000547	0.00274	1	04/01/2019 20:15	WG1258976
cis-1,2-Dichloroethene	0.180		0.000755	0.00274	1	04/01/2019 20:15	WG1258976
trans-1,2-Dichloroethene	U		0.00157	0.00547	1	04/01/2019 20:15	WG1258976
1,2-Dichloropropane	U		0.00139	0.00547	1	04/01/2019 20:15	WG1258976
1,1-Dichloropropene	U		0.000766	0.00274	1	04/01/2019 20:15	WG1258976
1,3-Dichloropropane	U		0.00192	0.00547	1	04/01/2019 20:15	WG1258976
cis-1,3-Dichloropropene	U		0.000742	0.00274	1	04/01/2019 20:15	WG1258976
trans-1,3-Dichloropropene	U		0.00167	0.00547	1	04/01/2019 20:15	WG1258976
trans-1,4-Dichloro-2-butene	U		0.00153	0.00547	1	04/01/2019 20:15	WG1258976
2,2-Dichloropropane	U		0.000868	0.00274	1	04/01/2019 20:15	WG1258976
Di-isopropyl ether	U		0.000383	0.00109	1	04/01/2019 20:15	WG1258976
Ethylbenzene	U		0.000580	0.00274	1	04/01/2019 20:15	WG1258976
Hexachloro-1,3-butadiene	U		0.0139	0.0274	1	04/01/2019 20:15	WG1258976
2-Hexanone	U		0.0109	0.0274	1	04/01/2019 20:15	WG1258976
n-Hexane	0.00317	J	0.00116	0.00547	1	04/01/2019 20:15	WG1258976
Iodomethane	U		0.00662	0.0137	1	04/01/2019 20:15	WG1258976
Isopropylbenzene	U		0.000945	0.00274	1	04/01/2019 20:15	WG1258976
p-Isopropyltoluene	U		0.00255	0.00547	1	04/01/2019 20:15	WG1258976
2-Butanone (MEK)	0.0321		0.0137	0.0274	1	04/01/2019 20:15	WG1258976
Methylene Chloride	0.0112	J	0.00727	0.0274	1	04/01/2019 20:15	WG1258976
4-Methyl-2-pentanone (MIBK)	U		0.0109	0.0274	1	04/01/2019 20:15	WG1258976

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000323	0.00109	1	04/01/2019 20:15	WG1258976
Naphthalene	U		0.00342	0.0137	1	04/01/2019 20:15	WG1258976
n-Propylbenzene	U		0.00129	0.00547	1	04/01/2019 20:15	WG1258976
Styrene	U		0.00299	0.0137	1	04/01/2019 20:15	WG1258976
1,1,1,2-Tetrachloroethane	U		0.000547	0.00274	1	04/01/2019 20:15	WG1258976
1,1,2,2-Tetrachloroethane	U		0.000427	0.00274	1	04/01/2019 20:15	WG1258976
1,1,2-Trichlorotrifluoroethane	U		0.000739	0.00274	1	04/01/2019 20:15	WG1258976
Tetrachloroethene	U		0.000766	0.00274	1	04/01/2019 20:15	WG1258976
Toluene	0.00180	J	0.00137	0.00547	1	04/01/2019 20:15	WG1258976
1,2,3-Trichlorobenzene	U		0.000684	0.00274	1	04/01/2019 20:15	WG1258976
1,2,4-Trichlorobenzene	U		0.00528	0.0137	1	04/01/2019 20:15	WG1258976
1,1,1-Trichloroethane	U		0.000301	0.00274	1	04/01/2019 20:15	WG1258976
1,1,2-Trichloroethane	U		0.000967	0.00274	1	04/01/2019 20:15	WG1258976
Trichloroethene	U		0.000438	0.00109	1	04/01/2019 20:15	WG1258976
Trichlorofluoromethane	U		0.000547	0.00274	1	04/01/2019 20:15	WG1258976
1,2,3-Trichloropropane	U		0.00558	0.0137	1	04/01/2019 20:15	WG1258976
1,2,4-Trimethylbenzene	0.00146	J	0.00127	0.00547	1	04/01/2019 20:15	WG1258976
1,2,3-Trimethylbenzene	U		0.00126	0.00547	1	04/01/2019 20:15	WG1258976
1,3,5-Trimethylbenzene	U		0.00118	0.00547	1	04/01/2019 20:15	WG1258976
Vinyl acetate	U		0.00385	0.0137	1	04/01/2019 20:15	WG1258976
Vinyl chloride	0.0601		0.000748	0.00274	1	04/01/2019 20:15	WG1258976
Xylenes, Total	U		0.00523	0.00711	1	04/01/2019 20:15	WG1258976
(S) Toluene-d8	*105*			*75.0-131*		*04/01/2019 20:15*	WG1258976
(S) Toluene-d8	*96.4*			*75.0-131*		*04/02/2019 21:41*	WG1259714
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*04/01/2019 20:15*	WG1258976
(S) 4-Bromofluorobenzene	*77.0*			*67.0-138*		*04/02/2019 21:41*	WG1259714
(S) 1,2-Dichloroethane-d4	*97.6*			*70.0-130*		*04/01/2019 20:15*	WG1258976
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*04/02/2019 21:41*	WG1259714

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	1.36	J	1.05	25.0	1	03/28/2019 19:20	WG1257024
Acrylonitrile	U		0.873	5.00	1	03/28/2019 19:20	WG1257024
Benzene	U		0.0896	0.500	1	03/28/2019 19:20	WG1257024
Bromobenzene	U		0.133	0.500	1	03/28/2019 19:20	WG1257024
Bromodichloromethane	U		0.0800	0.500	1	03/28/2019 19:20	WG1257024
Bromochloromethane	U		0.145	0.500	1	03/28/2019 19:20	WG1257024
Bromoform	U		0.186	0.500	1	03/28/2019 19:20	WG1257024
Bromomethane	U		0.157	2.50	1	03/28/2019 19:20	WG1257024
n-Butylbenzene	U		0.143	0.500	1	03/28/2019 19:20	WG1257024
sec-Butylbenzene	U		0.134	0.500	1	03/28/2019 19:20	WG1257024
tert-Butylbenzene	U		0.183	0.500	1	03/28/2019 19:20	WG1257024
Carbon disulfide	U		0.101	0.500	1	03/28/2019 19:20	WG1257024
Carbon tetrachloride	U		0.159	0.500	1	03/28/2019 19:20	WG1257024
Chlorobenzene	U		0.140	0.500	1	03/28/2019 19:20	WG1257024
Chlorodibromomethane	U		0.128	0.500	1	03/28/2019 19:20	WG1257024
Chloroethane	U		0.141	2.50	1	03/28/2019 19:20	WG1257024
Chloroform	U		0.0860	0.500	1	03/28/2019 19:20	WG1257024
Chloromethane	U		0.153	1.25	1	03/28/2019 19:20	WG1257024
2-Chlorotoluene	U		0.111	0.500	1	03/28/2019 19:20	WG1257024
4-Chlorotoluene	U		0.0972	0.500	1	03/28/2019 19:20	WG1257024
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	03/28/2019 19:20	WG1257024
1,2-Dibromoethane	U		0.193	0.500	1	03/28/2019 19:20	WG1257024
Dibromomethane	U		0.117	0.500	1	03/28/2019 19:20	WG1257024
1,2-Dichlorobenzene	U		0.101	0.500	1	03/28/2019 19:20	WG1257024
1,3-Dichlorobenzene	U		0.130	0.500	1	03/28/2019 19:20	WG1257024
1,4-Dichlorobenzene	U		0.121	0.500	1	03/28/2019 19:20	WG1257024
Dichlorodifluoromethane	U		0.127	2.50	1	03/28/2019 19:20	WG1257024
1,1-Dichloroethane	U		0.114	0.500	1	03/28/2019 19:20	WG1257024
1,2-Dichloroethane	U		0.108	0.500	1	03/28/2019 19:20	WG1257024
1,1-Dichloroethene	U		0.188	0.500	1	03/28/2019 19:20	WG1257024
cis-1,2-Dichloroethene	U		0.0933	0.500	1	03/28/2019 19:20	WG1257024
trans-1,2-Dichloroethene	U		0.152	0.500	1	03/28/2019 19:20	WG1257024
1,2-Dichloropropane	U		0.190	0.500	1	03/28/2019 19:20	WG1257024
1,1-Dichloropropene	U		0.128	0.500	1	03/28/2019 19:20	WG1257024
1,3-Dichloropropane	U		0.147	1.00	1	03/28/2019 19:20	WG1257024
cis-1,3-Dichloropropene	U		0.0976	0.500	1	03/28/2019 19:20	WG1257024
trans-1,3-Dichloropropene	U		0.222	0.500	1	03/28/2019 19:20	WG1257024
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	03/28/2019 19:20	WG1257024
2,2-Dichloropropane	U		0.0929	0.500	1	03/28/2019 19:20	WG1257024
Di-isopropyl ether	U		0.0924	0.500	1	03/28/2019 19:20	WG1257024
Ethylbenzene	U		0.158	0.500	1	03/28/2019 19:20	WG1257024
Hexachloro-1,3-butadiene	U		0.157	1.00	1	03/28/2019 19:20	WG1257024
2-Hexanone	U		0.757	5.00	1	03/28/2019 19:20	WG1257024
n-Hexane	U		0.305	5.00	1	03/28/2019 19:20	WG1257024
Iodomethane	U		0.377	10.0	1	03/28/2019 19:20	WG1257024
Isopropylbenzene	U		0.126	0.500	1	03/28/2019 19:20	WG1257024
p-Isopropyltoluene	U		0.138	0.500	1	03/28/2019 19:20	WG1257024
2-Butanone (MEK)	U		1.28	5.00	1	03/28/2019 19:20	WG1257024
Methylene Chloride	U		1.07	2.50	1	03/28/2019 19:20	WG1257024
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	03/28/2019 19:20	WG1257024
Methyl tert-butyl ether	U		0.102	0.500	1	03/28/2019 19:20	WG1257024
Naphthalene	U		0.174	2.50	1	03/28/2019 19:20	WG1257024
n-Propylbenzene	U		0.162	0.500	1	03/28/2019 19:20	WG1257024
Styrene	U		0.117	0.500	1	03/28/2019 19:20	WG1257024
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	03/28/2019 19:20	WG1257024
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	03/28/2019 19:20	WG1257024

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	03/28/2019 19:20	WG1257024
Tetrachloroethene	U		0.199	0.500	1	03/28/2019 19:20	WG1257024
Toluene	U		0.412	0.500	1	03/28/2019 19:20	WG1257024
1,2,3-Trichlorobenzene	U		0.164	0.500	1	03/28/2019 19:20	WG1257024
1,2,4-Trichlorobenzene	U		0.355	0.500	1	03/28/2019 19:20	WG1257024
1,1,1-Trichloroethane	U		0.0940	0.500	1	03/28/2019 19:20	WG1257024
1,1,2-Trichloroethane	U		0.186	0.500	1	03/28/2019 19:20	WG1257024
Trichloroethene	U		0.153	0.500	1	03/28/2019 19:20	WG1257024
Trichlorofluoromethane	U		0.130	2.50	1	03/28/2019 19:20	WG1257024
1,2,3-Trichloropropane	U		0.247	2.50	1	03/28/2019 19:20	WG1257024
1,2,4-Trimethylbenzene	U		0.123	0.500	1	03/28/2019 19:20	WG1257024
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	03/28/2019 19:20	WG1257024
1,3,5-Trimethylbenzene	U		0.124	0.500	1	03/28/2019 19:20	WG1257024
Vinyl acetate	U		0.645	5.00	1	03/28/2019 19:20	WG1257024
Vinyl chloride	U		0.118	0.500	1	03/28/2019 19:20	WG1257024
Xylenes, Total	U		0.316	1.50	1	03/28/2019 19:20	WG1257024
(S) Toluene-d8	*104*			*80.0-120*		*03/28/2019 19:20*	WG1257024
(S) 4-Bromofluorobenzene	*97.6*			*77.0-126*		*03/28/2019 19:20*	WG1257024
(S) 1,2-Dichloroethane-d4	*96.7*			*70.0-130*		*03/28/2019 19:20*	WG1257024

Method Blank (MB)

(MB) R3397410-1 04/01/19 16:26

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

L1082927-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1082927-01 04/01/19 16:26 • (DUP) R3397410-3 04/01/19 16:26

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	72.2	70.4	1	2.53		10

Laboratory Control Sample (LCS)

(LCS) R3397410-2 04/01/19 16:26

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) R3396514-2 03/28/19 12:16

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
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
Carbon disulfide	U		0.101	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
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) R3396514-2 03/28/19 12:16

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
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
Methylene Chloride	U		1.07	2.50
n-Propylbenzene	U		0.162	0.500
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
Styrene	U		0.117	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	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
1,1,1-Trichloroethane	U		0.0940	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,1,2-Trichloroethane	U		0.186	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Trichloroethene	U		0.153	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	*107*			*80.0-120*
(S) 4-Bromofluorobenzene	*97.7*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*97.7*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3396514-1 03/28/19 11:36

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acrylonitrile	125	144	115	55.0-149	
Bromobenzene	25.0	24.8	99.4	73.0-121	
Bromochloromethane	25.0	28.7	115	76.0-122	
n-Butylbenzene	25.0	24.5	98.1	73.0-125	
sec-Butylbenzene	25.0	25.5	102	75.0-125	
tert-Butylbenzene	25.0	25.5	102	76.0-124	
Acetone	125	144	116	19.0-160	
Benzene	25.0	26.5	106	70.0-123	
Bromodichloromethane	25.0	25.2	101	75.0-120	
2-Chlorotoluene	25.0	24.8	99.1	76.0-123	
4-Chlorotoluene	25.0	25.4	102	75.0-122	
Bromoform	25.0	25.3	101	68.0-132	
1,2-Dibromo-3-Chloropropane	25.0	23.1	92.5	58.0-134	
Bromomethane	25.0	19.3	77.3	10.0-160	
1,2-Dibromoethane	25.0	26.2	105	80.0-122	
Dibromomethane	25.0	25.8	103	80.0-120	
1,2-Dichlorobenzene	25.0	24.3	97.3	79.0-121	
1,3-Dichlorobenzene	25.0	26.4	105	79.0-120	
Carbon disulfide	25.0	27.1	108	61.0-128	
1,4-Dichlorobenzene	25.0	24.7	99.0	79.0-120	
Carbon tetrachloride	25.0	26.8	107	68.0-126	
Chlorobenzene	25.0	26.6	107	80.0-121	
Dichlorodifluoromethane	25.0	31.9	127	51.0-149	
Chlorodibromomethane	25.0	25.3	101	77.0-125	
Chloroethane	25.0	23.3	93.1	47.0-150	
Chloroform	25.0	26.4	106	73.0-120	
Chloromethane	25.0	27.4	109	41.0-142	
1,1-Dichloropropene	25.0	27.9	112	74.0-126	
1,3-Dichloropropane	25.0	25.9	103	80.0-120	
trans-1,4-Dichloro-2-butene	25.0	21.9	87.7	33.0-144	
2,2-Dichloropropane	25.0	25.5	102	58.0-130	
Di-isopropyl ether	25.0	29.2	117	58.0-138	
1,1-Dichloroethane	25.0	27.8	111	70.0-126	
Hexachloro-1,3-butadiene	25.0	26.8	107	54.0-138	
1,2-Dichloroethane	25.0	24.8	99.2	70.0-128	
1,1-Dichloroethene	25.0	27.8	111	71.0-124	
n-Hexane	25.0	28.0	112	57.0-133	
cis-1,2-Dichloroethene	25.0	27.3	109	73.0-120	
Iodomethane	125	125	99.8	33.0-147	
Isopropylbenzene	25.0	26.2	105	76.0-127	

Laboratory Control Sample (LCS)

(LCS) R3396514-1 03/28/19 11:36

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
trans-1,2-Dichloroethene	25.0	26.9	108	73.0-120	
1,2-Dichloropropane	25.0	28.0	112	77.0-125	
p-Isopropyltoluene	25.0	26.1	104	76.0-125	
cis-1,3-Dichloropropene	25.0	25.7	103	80.0-123	
Methyl tert-butyl ether	25.0	24.7	98.6	68.0-125	
trans-1,3-Dichloropropene	25.0	25.9	104	78.0-124	
Naphthalene	25.0	24.3	97.0	54.0-135	
n-Propylbenzene	25.0	27.5	110	77.0-124	
1,1,1,2-Tetrachloroethane	25.0	25.7	103	75.0-125	
Ethylbenzene	25.0	26.3	105	79.0-123	
1,1,2-Trichlorotrifluoroethane	25.0	27.6	110	69.0-132	
2-Hexanone	125	139	111	67.0-149	
1,2,3-Trichlorobenzene	25.0	26.4	106	50.0-138	
1,2,4-Trichlorobenzene	25.0	26.5	106	57.0-137	
2-Butanone (MEK)	125	151	120	44.0-160	
Methylene Chloride	25.0	25.4	102	67.0-120	
4-Methyl-2-pentanone (MIBK)	125	140	112	68.0-142	
Trichlorofluoromethane	25.0	26.1	104	59.0-147	
1,2,3-Trichloropropane	25.0	26.2	105	73.0-130	
1,2,4-Trimethylbenzene	25.0	25.9	104	76.0-121	
1,2,3-Trimethylbenzene	25.0	25.6	102	77.0-120	
1,3,5-Trimethylbenzene	25.0	25.1	101	76.0-122	
Styrene	25.0	27.1	108	73.0-130	
Vinyl acetate	125	140	112	11.0-160	
1,1,2,2-Tetrachloroethane	25.0	26.3	105	65.0-130	
Tetrachloroethene	25.0	26.7	107	72.0-132	
Toluene	25.0	25.4	102	79.0-120	
1,1,1-Trichloroethane	25.0	26.3	105	73.0-124	
1,1,2-Trichloroethane	25.0	26.0	104	80.0-120	
Trichloroethene	25.0	28.3	113	78.0-124	
Vinyl chloride	25.0	28.1	113	67.0-131	
Xylenes, Total	75.0	79.8	106	79.0-123	
(S) Toluene-d8			*102*	*80.0-120*	
(S) 4-Bromofluorobenzene			*98.8*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*107*	*70.0-130*	

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

Method Blank (MB)

(MB) R3397301-1 04/01/19 14:14

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acrylonitrile	U		0.00190	0.0125
Benzene	U		0.000400	0.00100
Bromobenzene	U		0.00105	0.0125
Bromodichloromethane	U		0.000788	0.00250
Bromochloromethane	U		0.00113	0.00500
Bromoform	U		0.00598	0.0250
Bromomethane	U		0.00370	0.0125
n-Butylbenzene	U		0.00384	0.0125
sec-Butylbenzene	U		0.00253	0.0125
tert-Butylbenzene	U		0.00155	0.00500
Carbon disulfide	U		0.00406	0.0125
Carbon tetrachloride	U		0.00108	0.00500
Chlorobenzene	U		0.000573	0.00250
Chlorodibromomethane	U		0.000450	0.00250
Chloroethane	U		0.00108	0.00500
Chloroform	U		0.000415	0.00250
Chloromethane	U		0.00139	0.0125
2-Chlorotoluene	U		0.000920	0.00250
4-Chlorotoluene	U		0.00113	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00510	0.0250
1,2-Dibromoethane	U		0.000525	0.00250
Dibromomethane	U		0.00100	0.00500
1,2-Dichlorobenzene	U		0.00145	0.00500
1,3-Dichlorobenzene	U		0.00170	0.00500
1,4-Dichlorobenzene	U		0.00197	0.00500
trans-1,4-Dichloro-2-butene	U		0.00140	0.00500
Dichlorodifluoromethane	U		0.000818	0.00250
1,1-Dichloroethane	U		0.000575	0.00250
1,2-Dichloroethane	U		0.000475	0.00250
1,1-Dichloroethene	U		0.000500	0.00250
cis-1,2-Dichloroethene	U		0.000690	0.00250
trans-1,2-Dichloroethene	U		0.00143	0.00500
1,2-Dichloropropane	U		0.00127	0.00500
1,1-Dichloropropene	U		0.000700	0.00250
1,3-Dichloropropane	U		0.00175	0.00500
cis-1,3-Dichloropropene	U		0.000678	0.00250
trans-1,3-Dichloropropene	U		0.00153	0.00500
2,2-Dichloropropane	U		0.000793	0.00250
Di-isopropyl ether	U		0.000350	0.00100
Ethylbenzene	U		0.000530	0.00250

Method Blank (MB)

(MB) R3397301-1 04/01/19 14:14

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Hexachloro-1,3-butadiene	U		0.0127	0.0250
n-Hexane	U		0.00106	0.00500
2-Hexanone	U		0.0100	0.0250
Iodomethane	U		0.00605	0.0125
Isopropylbenzene	U		0.000863	0.00250
p-Isopropyltoluene	U		0.00233	0.00500
2-Butanone (MEK)	U		0.0125	0.0250
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.0100	0.0250
Methyl tert-butyl ether	U		0.000295	0.00100
Naphthalene	U		0.00312	0.0125
n-Propylbenzene	U		0.00118	0.00500
Styrene	U		0.00273	0.0125
1,1,1,2-Tetrachloroethane	U		0.000500	0.00250
1,1,2,2-Tetrachloroethane	U		0.000390	0.00250
Tetrachloroethene	U		0.000700	0.00250
Toluene	U		0.00125	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000675	0.00250
1,2,3-Trichlorobenzene	0.000752	J	0.000625	0.00250
1,2,4-Trichlorobenzene	U		0.00482	0.0125
1,1,1-Trichloroethane	U		0.000275	0.00250
1,1,2-Trichloroethane	U		0.000883	0.00250
Trichloroethene	U		0.000400	0.00100
Trichlorofluoromethane	U		0.000500	0.00250
1,2,3-Trichloropropane	U		0.00510	0.0125
1,2,3-Trimethylbenzene	U		0.00115	0.00500
1,2,4-Trimethylbenzene	U		0.00116	0.00500
1,3,5-Trimethylbenzene	U		0.00108	0.00500
Vinyl acetate	U		0.00352	0.0125
Vinyl chloride	U		0.000683	0.00250
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	*102*			*75.0-131*
(S) 4-Bromofluorobenzene	*103*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3397301-2 04/01/19 14:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acrylonitrile	0.625	0.682	109	45.0-153	
Benzene	0.125	0.127	102	70.0-123	
Bromobenzene	0.125	0.109	87.4	73.0-121	
Bromodichloromethane	0.125	0.128	103	73.0-121	
Bromochloromethane	0.125	0.114	90.9	77.0-128	
Bromoform	0.125	0.123	98.2	64.0-132	
Bromomethane	0.125	0.109	87.5	56.0-147	
n-Butylbenzene	0.125	0.119	95.3	68.0-135	
sec-Butylbenzene	0.125	0.123	98.8	74.0-130	
tert-Butylbenzene	0.125	0.120	95.8	75.0-127	
Carbon disulfide	0.125	0.100	80.1	56.0-133	
Carbon tetrachloride	0.125	0.123	98.6	66.0-128	
Chlorobenzene	0.125	0.114	91.1	76.0-128	
Chlorodibromomethane	0.125	0.116	93.0	74.0-127	
Chloroethane	0.125	0.125	99.7	61.0-134	
Chloroform	0.125	0.111	89.1	72.0-123	
Chloromethane	0.125	0.0967	77.4	51.0-138	
2-Chlorotoluene	0.125	0.125	99.8	75.0-124	
4-Chlorotoluene	0.125	0.118	94.6	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.142	113	59.0-130	
1,2-Dibromoethane	0.125	0.113	90.6	74.0-128	
Dibromomethane	0.125	0.106	84.7	75.0-122	
1,2-Dichlorobenzene	0.125	0.127	101	76.0-124	
1,3-Dichlorobenzene	0.125	0.117	93.6	76.0-125	
1,4-Dichlorobenzene	0.125	0.116	93.1	77.0-121	
trans-1,4-Dichloro-2-butene	0.125	0.129	103	45.0-143	
Dichlorodifluoromethane	0.125	0.105	84.3	43.0-156	
1,1-Dichloroethane	0.125	0.109	87.6	70.0-127	
1,2-Dichloroethane	0.125	0.130	104	65.0-131	
1,1-Dichloroethene	0.125	0.117	93.5	65.0-131	
cis-1,2-Dichloroethene	0.125	0.128	103	73.0-125	
trans-1,2-Dichloroethene	0.125	0.0973	77.8	71.0-125	
1,2-Dichloropropane	0.125	0.116	93.1	74.0-125	
1,1-Dichloropropene	0.125	0.120	95.7	73.0-125	
1,3-Dichloropropane	0.125	0.120	95.8	80.0-125	
cis-1,3-Dichloropropene	0.125	0.123	98.3	76.0-127	
trans-1,3-Dichloropropene	0.125	0.152	122	73.0-127	
2,2-Dichloropropane	0.125	0.123	98.4	59.0-135	
Di-isopropyl ether	0.125	0.129	103	60.0-136	
Ethylbenzene	0.125	0.108	86.3	74.0-126	

Laboratory Control Sample (LCS)

(LCS) R3397301-2 04/01/19 14:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexachloro-1,3-butadiene	0.125	0.117	93.8	57.0-150	
2-Hexanone	0.625	0.782	125	54.0-147	
n-Hexane	0.125	0.111	88.7	55.0-137	
Iodomethane	0.625	0.600	95.9	74.0-134	
Isopropylbenzene	0.125	0.120	96.1	72.0-127	
p-Isopropyltoluene	0.125	0.119	95.5	72.0-133	
2-Butanone (MEK)	0.625	0.649	104	30.0-160	
Methylene Chloride	0.125	0.113	90.3	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.695	111	56.0-143	
Methyl tert-butyl ether	0.125	0.114	90.9	66.0-132	
Naphthalene	0.125	0.132	105	59.0-130	
n-Propylbenzene	0.125	0.119	94.9	74.0-126	
Styrene	0.125	0.112	89.7	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.146	116	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.133	107	68.0-128	
Tetrachloroethene	0.125	0.144	115	70.0-136	
Toluene	0.125	0.114	91.3	75.0-121	
1,1,2-Trichlorotrifluoroethane	0.125	0.134	107	61.0-139	
1,2,3-Trichlorobenzene	0.125	0.138	111	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.125	100	62.0-137	
1,1,1-Trichloroethane	0.125	0.128	103	69.0-126	
1,1,2-Trichloroethane	0.125	0.129	103	78.0-123	
Trichloroethene	0.125	0.125	100	76.0-126	
Trichlorofluoromethane	0.125	0.120	95.9	61.0-142	
1,2,3-Trichloropropane	0.125	0.124	99.6	67.0-129	
1,2,3-Trimethylbenzene	0.125	0.124	99.0	74.0-124	
1,2,4-Trimethylbenzene	0.125	0.123	98.4	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.115	91.8	73.0-127	
Vinyl acetate	0.625	0.577	92.3	43.0-159	
Vinyl chloride	0.125	0.108	86.2	63.0-134	
Xylenes, Total	0.375	0.408	109	72.0-127	
(S) Toluene-d8			*104*	*75.0-131*	
(S) 4-Bromofluorobenzene			*104*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*104*	*70.0-130*	

Method Blank (MB)

(MB) R3397318-2 04/01/19 11:28

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0137	0.0250
Tetrachloroethene	U		0.000700	0.00250
(S) Toluene-d8	*92.3*			*75.0-131*
(S) 4-Bromofluorobenzene	*81.1*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3397318-1 04/01/19 09:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.783	125	10.0-160	
Tetrachloroethene	0.125	0.0959	76.7	70.0-136	
(S) Toluene-d8			*95.3*	*75.0-131*	
(S) 4-Bromofluorobenzene			*93.2*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*113*	*70.0-130*	

Method Blank (MB)

(MB) R3397955-2 04/02/19 20:01

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0137	0.0250
(S) Toluene-d8	*93.3*			*75.0-131*
(S) 4-Bromofluorobenzene	*77.9*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3397955-1 04/02/19 18:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.895	143	10.0-160	
(S) Toluene-d8			*96.0*	*75.0-131*	
(S) 4-Bromofluorobenzene			*93.1*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*113*	*70.0-130*	

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.

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

State Accreditations

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

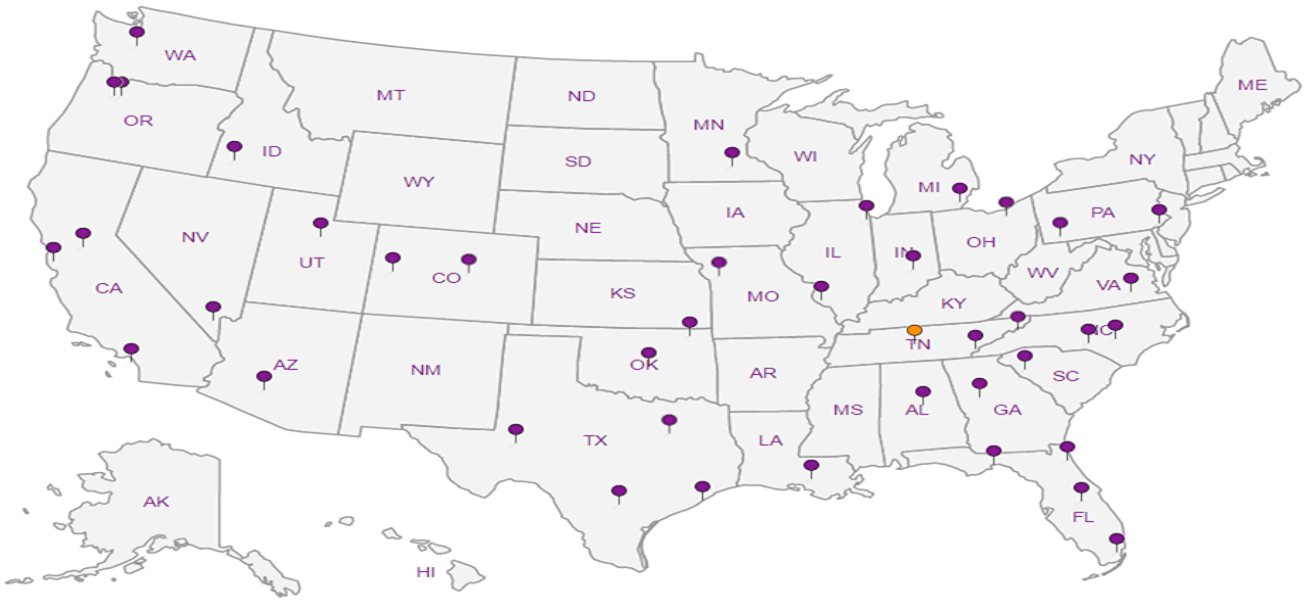
Third Party Federal Accreditations

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

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

Our Locations

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



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com; bhaldeman@pesenv.com; KSPRINGSTEAD@PESENV.COM KUIK@PESENV.COM

Project Description: American Linen

City/State Collected: Seattle, WA

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

Client Project # 1413.001.05.501

Lab Project # PESENVSWA-ALP

Collected by (print): K. ZYGAS

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

Chain of Custody Page 1 of 2

Pace Analytical® National Center for Testing & Innovation

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

L# L1082918

B017

Acctnum: PESENVSWA
Template: T145466
Prelogin: P696468
TSR: 110 - Brian Ford
PB: 3-1-19 6m
Shipped Via: FedEX Saver

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs 8260C 40mlAmb/MeOH5ml/Sy	dry weight 2ozClr-NoPres	Remarks	Sample # (lab only)
B21D21-10	Grab	SS	10	03/25/19	1520	2	X	X		-01
B21D21-20		SS	20		1525	2	X	X		-02
B21D21-30		SS	30		1730	2	X	X		-03
B21D21-40		SS	40		1735	2	X	X		-04
B21821-50		SS	50		KB 1740	2	X	X	time: 1740 KB 3/26/19	-05
B21D21-60	Grab	SS	60	03/26/19	0945	2	X	X		-06
B-935-60		SS	60		0950	2	X	X		-07
	KB	SS								
		SS		03-26-19						
		SS								

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

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

Tracking # 4682 6469 9901

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

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

Temp: 0.5+1=0.6 °C Bottles Received: 14

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	03-26-19	15:00	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			KWillis

Date: 3/27/19 Time: 845

Page 2 of 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: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com; bhaldeman@pesenv.com; KSPRINGSTEAD@PESENV.COM KVIK@PESENV.COM

Project Description: American Linen

City/State Collected: Seattle, WA

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

Client Project # 1413.001.05.501

Lab Project # PESENVSWA-ALP

Collected by (print): K. Zygas

Site/Facility ID #

P.O. #

Collected by (signature):

Quote #

Immediately Packed on Ice N ___ Y X

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

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	NWTPHGX 40mlAmb HCl	VOCs (V8260LLC) 40mlAmb-HCl	VOCs 8260C 40mL MeOH 5gr
Trip Blank-032619	—	~~GW~~	—	03/26/19	1500	1			X
		GW							
		GW							
		GW							

Analysis / Container / Preservative

Pres Chk

Chain of Custody

Pace Analytical
National Center for Testing & Innovation

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

L # L1082918

Table #

Acctnum: PESENVSWA
Template: T145225
Prelogin: P690482
TSR: 110 - Brian Ford
PB:

Shipped Via:

Remarks	Sample # (lab only)
	-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 #

Sample Receipt Checklist

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

RAD SCREEN: <0.5 mR/hr

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	3/26/19	15:00	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			KWillis

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: °C 0.5+.1=0.6 Bottles Received: 14

Date: 3/27/19 Time: 845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

May 02, 2019

PES Environmental, Inc.- WA

Sample Delivery Group:	L1091511
Samples Received:	04/23/2019
Project Number:	1413.001.05.601
Description:	American Linen
Site:	AMERICAN LINEN
Report To:	Brian O'Neal/Bill Haldeman
	1215 Fourth Ave., Suite 1350
	Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



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MW-138-042219 L1091511-01 GW

Collected by: Shannon McKernan | Collected date/time: 04/22/19 10:30 | Received date/time: 04/23/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1273424	1	04/29/19 16:02	04/29/19 16:02	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1270336	1	04/23/19 18:05	04/23/19 18:05	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1270623	1	04/23/19 22:50	04/23/19 22:50	EEM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1271163	10	04/25/19 08:19	05/01/19 19:39	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1270830	1	04/24/19 01:20	04/24/19 01:20	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1271117	1	04/24/19 13:51	04/24/19 13:51	MEL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1271083	1	04/24/19 12:34	04/24/19 12:34	JCP	Mt. Juliet, TN

GEI-1-042219 L1091511-02 GW

Collected by: Shannon McKernan | Collected date/time: 04/22/19 10:40 | Received date/time: 04/23/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1271083	1	04/24/19 12:54	04/24/19 12:54	JCP	Mt. Juliet, TN

GEI-2-042219 L1091511-03 GW

Collected by: Shannon McKernan | Collected date/time: 04/22/19 11:50 | Received date/time: 04/23/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1271083	1	04/24/19 13:14	04/24/19 13:14	JCP	Mt. Juliet, TN

FMW-131-042219 L1091511-04 GW

Collected by: Shannon McKernan | Collected date/time: 04/22/19 12:55 | Received date/time: 04/23/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1271083	1	04/24/19 13:34	04/24/19 13:34	JCP	Mt. Juliet, TN

MW112-042219 L1091511-05 GW

Collected by: Shannon McKernan | Collected date/time: 04/22/19 13:00 | Received date/time: 04/23/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1273424	1	04/29/19 16:09	04/29/19 16:09	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1270336	1	04/23/19 18:20	04/23/19 18:20	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1270623	1	04/23/19 23:04	04/23/19 23:04	EEM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1271163	1	04/25/19 08:19	05/01/19 19:22	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1271163	5	04/25/19 08:19	05/01/19 19:44	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1270830	1	04/24/19 01:44	04/24/19 01:44	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1271117	1	04/24/19 13:53	04/24/19 13:53	MEL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1271083	1	04/24/19 13:54	04/24/19 13:54	JCP	Mt. Juliet, TN

TRIP BLANK-042219 L1091511-06 GW

Collected by: Shannon McKernan | Collected date/time: 04/22/19 00:00 | Received date/time: 04/23/19 08:45

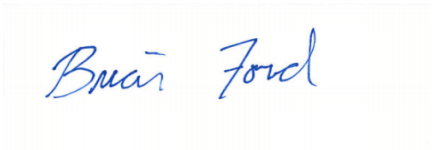
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1270830	1	04/23/19 22:57	04/23/19 22:57	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1271083	1	04/24/19 12:14	04/24/19 12:14	JCP	Mt. Juliet, TN

R-MW5-042219 L1091511-07 GW

Collected by: Shannon McKernan
Collected date/time: 04/22/19 11:30
Received date/time: 04/23/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1270830	1	04/24/19 02:08	04/24/19 02:08	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1271083	1	04/24/19 14:14	04/24/19 14:14	JCP	Mt. Juliet, TN

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



Brian Ford
Project Manager

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	139000		2710	20000	1	04/29/2019 16:02	WG1273424

Sample Narrative:

L1091511-01 WG1273424: Endpoint pH 4.5 headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	14200		51.9	1000	1	04/23/2019 18:05	WG1270336
Nitrate	U		22.7	100	1	04/23/2019 18:05	WG1270336
Sulfate	42700		77.4	5000	1	04/23/2019 18:05	WG1270336

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	5700		102	1000	1	04/23/2019 22:50	WG1270623

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	13200		150	1000	10	05/01/2019 19:39	WG1271163
Manganese	509		2.50	50.0	10	05/01/2019 19:39	WG1271163

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/24/2019 01:20	WG1270830
(S) a,a,a-Trifluorotoluene(FID)	*110*			*78.0-120*		*04/24/2019 01:20*	WG1270830

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	164		0.287	0.678	1	04/24/2019 13:51	WG1271117
Ethane	U		0.296	1.29	1	04/24/2019 13:51	WG1271117
Ethene	1.43		0.422	1.27	1	04/24/2019 13:51	WG1271117

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	2.56	J J0	1.05	25.0	1	04/24/2019 12:34	WG1271083
Acrylonitrile	U		0.873	5.00	1	04/24/2019 12:34	WG1271083
Benzene	U		0.0896	0.500	1	04/24/2019 12:34	WG1271083
Bromobenzene	U		0.133	0.500	1	04/24/2019 12:34	WG1271083
Bromodichloromethane	U		0.0800	0.500	1	04/24/2019 12:34	WG1271083
Bromochloromethane	U		0.145	0.500	1	04/24/2019 12:34	WG1271083
Bromoform	U		0.186	0.500	1	04/24/2019 12:34	WG1271083
Bromomethane	U	J0	0.157	2.50	1	04/24/2019 12:34	WG1271083
n-Butylbenzene	U		0.143	0.500	1	04/24/2019 12:34	WG1271083
sec-Butylbenzene	U		0.134	0.500	1	04/24/2019 12:34	WG1271083
tert-Butylbenzene	U		0.183	0.500	1	04/24/2019 12:34	WG1271083
Carbon disulfide	0.405	J	0.101	0.500	1	04/24/2019 12:34	WG1271083
Carbon tetrachloride	U		0.159	0.500	1	04/24/2019 12:34	WG1271083

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/24/2019 12:34	WG1271083
Chlorodibromomethane	U		0.128	0.500	1	04/24/2019 12:34	WG1271083
Chloroethane	U	J0	0.141	2.50	1	04/24/2019 12:34	WG1271083
Chloroform	U		0.0860	0.500	1	04/24/2019 12:34	WG1271083
Chloromethane	U		0.153	1.25	1	04/24/2019 12:34	WG1271083
2-Chlorotoluene	U		0.111	0.500	1	04/24/2019 12:34	WG1271083
4-Chlorotoluene	U		0.0972	0.500	1	04/24/2019 12:34	WG1271083
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/24/2019 12:34	WG1271083
1,2-Dibromoethane	U		0.193	0.500	1	04/24/2019 12:34	WG1271083
Dibromomethane	U		0.117	0.500	1	04/24/2019 12:34	WG1271083
1,2-Dichlorobenzene	U		0.101	0.500	1	04/24/2019 12:34	WG1271083
1,3-Dichlorobenzene	U		0.130	0.500	1	04/24/2019 12:34	WG1271083
1,4-Dichlorobenzene	U		0.121	0.500	1	04/24/2019 12:34	WG1271083
Dichlorodifluoromethane	U		0.127	2.50	1	04/24/2019 12:34	WG1271083
1,1-Dichloroethane	U		0.114	0.500	1	04/24/2019 12:34	WG1271083
1,2-Dichloroethane	U		0.108	0.500	1	04/24/2019 12:34	WG1271083
1,1-Dichloroethene	U		0.188	0.500	1	04/24/2019 12:34	WG1271083
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/24/2019 12:34	WG1271083
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/24/2019 12:34	WG1271083
1,2-Dichloropropane	U		0.190	0.500	1	04/24/2019 12:34	WG1271083
1,1-Dichloropropene	U		0.128	0.500	1	04/24/2019 12:34	WG1271083
1,3-Dichloropropane	U		0.147	1.00	1	04/24/2019 12:34	WG1271083
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/24/2019 12:34	WG1271083
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/24/2019 12:34	WG1271083
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/24/2019 12:34	WG1271083
2,2-Dichloropropane	U		0.0929	0.500	1	04/24/2019 12:34	WG1271083
Di-isopropyl ether	U		0.0924	0.500	1	04/24/2019 12:34	WG1271083
Ethylbenzene	U		0.158	0.500	1	04/24/2019 12:34	WG1271083
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/24/2019 12:34	WG1271083
2-Hexanone	U		0.757	5.00	1	04/24/2019 12:34	WG1271083
n-Hexane	U		0.305	5.00	1	04/24/2019 12:34	WG1271083
Iodomethane	U		0.377	10.0	1	04/24/2019 12:34	WG1271083
Isopropylbenzene	U		0.126	0.500	1	04/24/2019 12:34	WG1271083
p-Isopropyltoluene	U		0.138	0.500	1	04/24/2019 12:34	WG1271083
2-Butanone (MEK)	U		1.28	5.00	1	04/24/2019 12:34	WG1271083
Methylene Chloride	U		1.07	2.50	1	04/24/2019 12:34	WG1271083
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/24/2019 12:34	WG1271083
Methyl tert-butyl ether	U		0.102	0.500	1	04/24/2019 12:34	WG1271083
Naphthalene	U		0.174	2.50	1	04/24/2019 12:34	WG1271083
n-Propylbenzene	U		0.162	0.500	1	04/24/2019 12:34	WG1271083
Styrene	U		0.117	0.500	1	04/24/2019 12:34	WG1271083
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/24/2019 12:34	WG1271083
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/24/2019 12:34	WG1271083
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/24/2019 12:34	WG1271083
Tetrachloroethene	U		0.199	0.500	1	04/24/2019 12:34	WG1271083
Toluene	U		0.412	0.500	1	04/24/2019 12:34	WG1271083
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/24/2019 12:34	WG1271083
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/24/2019 12:34	WG1271083
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/24/2019 12:34	WG1271083
1,1,2-Trichloroethane	U		0.186	0.500	1	04/24/2019 12:34	WG1271083
Trichloroethene	U		0.153	0.500	1	04/24/2019 12:34	WG1271083
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/24/2019 12:34	WG1271083
1,2,3-Trichloropropane	U		0.247	2.50	1	04/24/2019 12:34	WG1271083
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/24/2019 12:34	WG1271083
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/24/2019 12:34	WG1271083
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/24/2019 12:34	WG1271083

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U	J0	0.645	5.00	1	04/24/2019 12:34	WG1271083
Vinyl chloride	U	J0	0.118	0.500	1	04/24/2019 12:34	WG1271083
Xylenes, Total	U		0.316	1.50	1	04/24/2019 12:34	WG1271083
(S) Toluene-d8	*101*			*80.0-120*		*04/24/2019 12:34*	WG1271083
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*04/24/2019 12:34*	WG1271083
(S) 1,2-Dichloroethane-d4	*91.9*			*70.0-130*		*04/24/2019 12:34*	WG1271083

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 J0	1.05	25.0	1	04/24/2019 12:54	WG1271083
Acrylonitrile	U		0.873	5.00	1	04/24/2019 12:54	WG1271083
Benzene	U		0.0896	0.500	1	04/24/2019 12:54	WG1271083
Bromobenzene	U		0.133	0.500	1	04/24/2019 12:54	WG1271083
Bromodichloromethane	U		0.0800	0.500	1	04/24/2019 12:54	WG1271083
Bromochloromethane	U		0.145	0.500	1	04/24/2019 12:54	WG1271083
Bromoform	U		0.186	0.500	1	04/24/2019 12:54	WG1271083
Bromomethane	U	J0	0.157	2.50	1	04/24/2019 12:54	WG1271083
n-Butylbenzene	U		0.143	0.500	1	04/24/2019 12:54	WG1271083
sec-Butylbenzene	U		0.134	0.500	1	04/24/2019 12:54	WG1271083
tert-Butylbenzene	U		0.183	0.500	1	04/24/2019 12:54	WG1271083
Carbon disulfide	U		0.101	0.500	1	04/24/2019 12:54	WG1271083
Carbon tetrachloride	U		0.159	0.500	1	04/24/2019 12:54	WG1271083
Chlorobenzene	U		0.140	0.500	1	04/24/2019 12:54	WG1271083
Chlorodibromomethane	U		0.128	0.500	1	04/24/2019 12:54	WG1271083
Chloroethane	U	J0	0.141	2.50	1	04/24/2019 12:54	WG1271083
Chloroform	U		0.0860	0.500	1	04/24/2019 12:54	WG1271083
Chloromethane	U		0.153	1.25	1	04/24/2019 12:54	WG1271083
2-Chlorotoluene	U		0.111	0.500	1	04/24/2019 12:54	WG1271083
4-Chlorotoluene	U		0.0972	0.500	1	04/24/2019 12:54	WG1271083
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/24/2019 12:54	WG1271083
1,2-Dibromoethane	U		0.193	0.500	1	04/24/2019 12:54	WG1271083
Dibromomethane	U		0.117	0.500	1	04/24/2019 12:54	WG1271083
1,2-Dichlorobenzene	U		0.101	0.500	1	04/24/2019 12:54	WG1271083
1,3-Dichlorobenzene	U		0.130	0.500	1	04/24/2019 12:54	WG1271083
1,4-Dichlorobenzene	U		0.121	0.500	1	04/24/2019 12:54	WG1271083
Dichlorodifluoromethane	U		0.127	2.50	1	04/24/2019 12:54	WG1271083
1,1-Dichloroethane	U		0.114	0.500	1	04/24/2019 12:54	WG1271083
1,2-Dichloroethane	U		0.108	0.500	1	04/24/2019 12:54	WG1271083
1,1-Dichloroethene	U		0.188	0.500	1	04/24/2019 12:54	WG1271083
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/24/2019 12:54	WG1271083
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/24/2019 12:54	WG1271083
1,2-Dichloropropane	U		0.190	0.500	1	04/24/2019 12:54	WG1271083
1,1-Dichloropropene	U		0.128	0.500	1	04/24/2019 12:54	WG1271083
1,3-Dichloropropane	U		0.147	1.00	1	04/24/2019 12:54	WG1271083
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/24/2019 12:54	WG1271083
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/24/2019 12:54	WG1271083
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/24/2019 12:54	WG1271083
2,2-Dichloropropane	U		0.0929	0.500	1	04/24/2019 12:54	WG1271083
Di-isopropyl ether	U		0.0924	0.500	1	04/24/2019 12:54	WG1271083
Ethylbenzene	U		0.158	0.500	1	04/24/2019 12:54	WG1271083
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/24/2019 12:54	WG1271083
2-Hexanone	U		0.757	5.00	1	04/24/2019 12:54	WG1271083
n-Hexane	U		0.305	5.00	1	04/24/2019 12:54	WG1271083
Iodomethane	U		0.377	10.0	1	04/24/2019 12:54	WG1271083
Isopropylbenzene	U		0.126	0.500	1	04/24/2019 12:54	WG1271083
p-Isopropyltoluene	U		0.138	0.500	1	04/24/2019 12:54	WG1271083
2-Butanone (MEK)	U		1.28	5.00	1	04/24/2019 12:54	WG1271083
Methylene Chloride	U		1.07	2.50	1	04/24/2019 12:54	WG1271083
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/24/2019 12:54	WG1271083
Methyl tert-butyl ether	U		0.102	0.500	1	04/24/2019 12:54	WG1271083
Naphthalene	0.282	J	0.174	2.50	1	04/24/2019 12:54	WG1271083
n-Propylbenzene	U		0.162	0.500	1	04/24/2019 12:54	WG1271083
Styrene	U		0.117	0.500	1	04/24/2019 12:54	WG1271083
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/24/2019 12:54	WG1271083
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/24/2019 12:54	WG1271083

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/24/2019 12:54	WG1271083
Tetrachloroethene	U		0.199	0.500	1	04/24/2019 12:54	WG1271083
Toluene	U		0.412	0.500	1	04/24/2019 12:54	WG1271083
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/24/2019 12:54	WG1271083
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/24/2019 12:54	WG1271083
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/24/2019 12:54	WG1271083
1,1,2-Trichloroethane	U		0.186	0.500	1	04/24/2019 12:54	WG1271083
Trichloroethene	U		0.153	0.500	1	04/24/2019 12:54	WG1271083
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/24/2019 12:54	WG1271083
1,2,3-Trichloropropane	U		0.247	2.50	1	04/24/2019 12:54	WG1271083
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/24/2019 12:54	WG1271083
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/24/2019 12:54	WG1271083
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/24/2019 12:54	WG1271083
Vinyl acetate	U	J0	0.645	5.00	1	04/24/2019 12:54	WG1271083
Vinyl chloride	U	J0	0.118	0.500	1	04/24/2019 12:54	WG1271083
Xylenes, Total	U		0.316	1.50	1	04/24/2019 12:54	WG1271083
(S) Toluene-d8	*97.2*			*80.0-120*		*04/24/2019 12:54*	WG1271083
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*04/24/2019 12:54*	WG1271083
(S) 1,2-Dichloroethane-d4	*93.4*			*70.0-130*		*04/24/2019 12:54*	WG1271083

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	04/24/2019 13:14	WG1271083
Acrylonitrile	U		0.873	5.00	1	04/24/2019 13:14	WG1271083
Benzene	1.05		0.0896	0.500	1	04/24/2019 13:14	WG1271083
Bromobenzene	U		0.133	0.500	1	04/24/2019 13:14	WG1271083
Bromodichloromethane	U		0.0800	0.500	1	04/24/2019 13:14	WG1271083
Bromochloromethane	U		0.145	0.500	1	04/24/2019 13:14	WG1271083
Bromoform	U		0.186	0.500	1	04/24/2019 13:14	WG1271083
Bromomethane	U	J0	0.157	2.50	1	04/24/2019 13:14	WG1271083
n-Butylbenzene	U		0.143	0.500	1	04/24/2019 13:14	WG1271083
sec-Butylbenzene	U		0.134	0.500	1	04/24/2019 13:14	WG1271083
tert-Butylbenzene	U		0.183	0.500	1	04/24/2019 13:14	WG1271083
Carbon disulfide	U		0.101	0.500	1	04/24/2019 13:14	WG1271083
Carbon tetrachloride	U		0.159	0.500	1	04/24/2019 13:14	WG1271083
Chlorobenzene	U		0.140	0.500	1	04/24/2019 13:14	WG1271083
Chlorodibromomethane	U		0.128	0.500	1	04/24/2019 13:14	WG1271083
Chloroethane	U	J0	0.141	2.50	1	04/24/2019 13:14	WG1271083
Chloroform	U		0.0860	0.500	1	04/24/2019 13:14	WG1271083
Chloromethane	U		0.153	1.25	1	04/24/2019 13:14	WG1271083
2-Chlorotoluene	U		0.111	0.500	1	04/24/2019 13:14	WG1271083
4-Chlorotoluene	U		0.0972	0.500	1	04/24/2019 13:14	WG1271083
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/24/2019 13:14	WG1271083
1,2-Dibromoethane	U		0.193	0.500	1	04/24/2019 13:14	WG1271083
Dibromomethane	U		0.117	0.500	1	04/24/2019 13:14	WG1271083
1,2-Dichlorobenzene	U		0.101	0.500	1	04/24/2019 13:14	WG1271083
1,3-Dichlorobenzene	U		0.130	0.500	1	04/24/2019 13:14	WG1271083
1,4-Dichlorobenzene	U		0.121	0.500	1	04/24/2019 13:14	WG1271083
Dichlorodifluoromethane	U		0.127	2.50	1	04/24/2019 13:14	WG1271083
1,1-Dichloroethane	U		0.114	0.500	1	04/24/2019 13:14	WG1271083
1,2-Dichloroethane	U		0.108	0.500	1	04/24/2019 13:14	WG1271083
1,1-Dichloroethene	U		0.188	0.500	1	04/24/2019 13:14	WG1271083
cis-1,2-Dichloroethene	11.5		0.0933	0.500	1	04/24/2019 13:14	WG1271083
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/24/2019 13:14	WG1271083
1,2-Dichloropropane	U		0.190	0.500	1	04/24/2019 13:14	WG1271083
1,1-Dichloropropene	U		0.128	0.500	1	04/24/2019 13:14	WG1271083
1,3-Dichloropropane	U		0.147	1.00	1	04/24/2019 13:14	WG1271083
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/24/2019 13:14	WG1271083
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/24/2019 13:14	WG1271083
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/24/2019 13:14	WG1271083
2,2-Dichloropropane	U		0.0929	0.500	1	04/24/2019 13:14	WG1271083
Di-isopropyl ether	0.217	J	0.0924	0.500	1	04/24/2019 13:14	WG1271083
Ethylbenzene	U		0.158	0.500	1	04/24/2019 13:14	WG1271083
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/24/2019 13:14	WG1271083
2-Hexanone	U		0.757	5.00	1	04/24/2019 13:14	WG1271083
n-Hexane	U		0.305	5.00	1	04/24/2019 13:14	WG1271083
Iodomethane	U		0.377	10.0	1	04/24/2019 13:14	WG1271083
Isopropylbenzene	U		0.126	0.500	1	04/24/2019 13:14	WG1271083
p-Isopropyltoluene	U		0.138	0.500	1	04/24/2019 13:14	WG1271083
2-Butanone (MEK)	U		1.28	5.00	1	04/24/2019 13:14	WG1271083
Methylene Chloride	U		1.07	2.50	1	04/24/2019 13:14	WG1271083
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/24/2019 13:14	WG1271083
Methyl tert-butyl ether	0.154	J	0.102	0.500	1	04/24/2019 13:14	WG1271083
Naphthalene	U		0.174	2.50	1	04/24/2019 13:14	WG1271083
n-Propylbenzene	U		0.162	0.500	1	04/24/2019 13:14	WG1271083
Styrene	U		0.117	0.500	1	04/24/2019 13:14	WG1271083
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/24/2019 13:14	WG1271083
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/24/2019 13:14	WG1271083

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/24/2019 13:14	WG1271083
Tetrachloroethene	U		0.199	0.500	1	04/24/2019 13:14	WG1271083
Toluene	U		0.412	0.500	1	04/24/2019 13:14	WG1271083
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/24/2019 13:14	WG1271083
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/24/2019 13:14	WG1271083
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/24/2019 13:14	WG1271083
1,1,2-Trichloroethane	U		0.186	0.500	1	04/24/2019 13:14	WG1271083
Trichloroethene	U		0.153	0.500	1	04/24/2019 13:14	WG1271083
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/24/2019 13:14	WG1271083
1,2,3-Trichloropropane	U		0.247	2.50	1	04/24/2019 13:14	WG1271083
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/24/2019 13:14	WG1271083
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/24/2019 13:14	WG1271083
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/24/2019 13:14	WG1271083
Vinyl acetate	U	J0	0.645	5.00	1	04/24/2019 13:14	WG1271083
Vinyl chloride	57.7	J0	0.118	0.500	1	04/24/2019 13:14	WG1271083
Xylenes, Total	U		0.316	1.50	1	04/24/2019 13:14	WG1271083
(S) Toluene-d8	*99.6*			*80.0-120*		*04/24/2019 13:14*	WG1271083
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*04/24/2019 13:14*	WG1271083
(S) 1,2-Dichloroethane-d4	*94.4*			*70.0-130*		*04/24/2019 13:14*	WG1271083

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.80	J J0	1.05	25.0	1	04/24/2019 13:34	WG1271083
Acrylonitrile	U		0.873	5.00	1	04/24/2019 13:34	WG1271083
Benzene	U		0.0896	0.500	1	04/24/2019 13:34	WG1271083
Bromobenzene	U		0.133	0.500	1	04/24/2019 13:34	WG1271083
Bromodichloromethane	U		0.0800	0.500	1	04/24/2019 13:34	WG1271083
Bromochloromethane	U		0.145	0.500	1	04/24/2019 13:34	WG1271083
Bromoform	U		0.186	0.500	1	04/24/2019 13:34	WG1271083
Bromomethane	U	J0	0.157	2.50	1	04/24/2019 13:34	WG1271083
n-Butylbenzene	U		0.143	0.500	1	04/24/2019 13:34	WG1271083
sec-Butylbenzene	U		0.134	0.500	1	04/24/2019 13:34	WG1271083
tert-Butylbenzene	U		0.183	0.500	1	04/24/2019 13:34	WG1271083
Carbon disulfide	U		0.101	0.500	1	04/24/2019 13:34	WG1271083
Carbon tetrachloride	U		0.159	0.500	1	04/24/2019 13:34	WG1271083
Chlorobenzene	U		0.140	0.500	1	04/24/2019 13:34	WG1271083
Chlorodibromomethane	U		0.128	0.500	1	04/24/2019 13:34	WG1271083
Chloroethane	U	J0	0.141	2.50	1	04/24/2019 13:34	WG1271083
Chloroform	U		0.0860	0.500	1	04/24/2019 13:34	WG1271083
Chloromethane	U		0.153	1.25	1	04/24/2019 13:34	WG1271083
2-Chlorotoluene	U		0.111	0.500	1	04/24/2019 13:34	WG1271083
4-Chlorotoluene	U		0.0972	0.500	1	04/24/2019 13:34	WG1271083
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/24/2019 13:34	WG1271083
1,2-Dibromoethane	U		0.193	0.500	1	04/24/2019 13:34	WG1271083
Dibromomethane	U		0.117	0.500	1	04/24/2019 13:34	WG1271083
1,2-Dichlorobenzene	U		0.101	0.500	1	04/24/2019 13:34	WG1271083
1,3-Dichlorobenzene	U		0.130	0.500	1	04/24/2019 13:34	WG1271083
1,4-Dichlorobenzene	U		0.121	0.500	1	04/24/2019 13:34	WG1271083
Dichlorodifluoromethane	U		0.127	2.50	1	04/24/2019 13:34	WG1271083
1,1-Dichloroethane	U		0.114	0.500	1	04/24/2019 13:34	WG1271083
1,2-Dichloroethane	U		0.108	0.500	1	04/24/2019 13:34	WG1271083
1,1-Dichloroethene	U		0.188	0.500	1	04/24/2019 13:34	WG1271083
cis-1,2-Dichloroethene	10.8		0.0933	0.500	1	04/24/2019 13:34	WG1271083
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/24/2019 13:34	WG1271083
1,2-Dichloropropane	U		0.190	0.500	1	04/24/2019 13:34	WG1271083
1,1-Dichloropropene	U		0.128	0.500	1	04/24/2019 13:34	WG1271083
1,3-Dichloropropane	U		0.147	1.00	1	04/24/2019 13:34	WG1271083
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/24/2019 13:34	WG1271083
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/24/2019 13:34	WG1271083
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/24/2019 13:34	WG1271083
2,2-Dichloropropane	U		0.0929	0.500	1	04/24/2019 13:34	WG1271083
Di-isopropyl ether	U		0.0924	0.500	1	04/24/2019 13:34	WG1271083
Ethylbenzene	U		0.158	0.500	1	04/24/2019 13:34	WG1271083
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/24/2019 13:34	WG1271083
2-Hexanone	U		0.757	5.00	1	04/24/2019 13:34	WG1271083
n-Hexane	U		0.305	5.00	1	04/24/2019 13:34	WG1271083
Iodomethane	U		0.377	10.0	1	04/24/2019 13:34	WG1271083
Isopropylbenzene	U		0.126	0.500	1	04/24/2019 13:34	WG1271083
p-Isopropyltoluene	U		0.138	0.500	1	04/24/2019 13:34	WG1271083
2-Butanone (MEK)	U		1.28	5.00	1	04/24/2019 13:34	WG1271083
Methylene Chloride	U		1.07	2.50	1	04/24/2019 13:34	WG1271083
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/24/2019 13:34	WG1271083
Methyl tert-butyl ether	U		0.102	0.500	1	04/24/2019 13:34	WG1271083
Naphthalene	U		0.174	2.50	1	04/24/2019 13:34	WG1271083
n-Propylbenzene	U		0.162	0.500	1	04/24/2019 13:34	WG1271083
Styrene	U		0.117	0.500	1	04/24/2019 13:34	WG1271083
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/24/2019 13:34	WG1271083
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/24/2019 13:34	WG1271083

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/24/2019 13:34	WG1271083
Tetrachloroethene	U		0.199	0.500	1	04/24/2019 13:34	WG1271083
Toluene	U		0.412	0.500	1	04/24/2019 13:34	WG1271083
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/24/2019 13:34	WG1271083
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/24/2019 13:34	WG1271083
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/24/2019 13:34	WG1271083
1,1,2-Trichloroethane	U		0.186	0.500	1	04/24/2019 13:34	WG1271083
Trichloroethene	U		0.153	0.500	1	04/24/2019 13:34	WG1271083
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/24/2019 13:34	WG1271083
1,2,3-Trichloropropane	U		0.247	2.50	1	04/24/2019 13:34	WG1271083
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/24/2019 13:34	WG1271083
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/24/2019 13:34	WG1271083
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/24/2019 13:34	WG1271083
Vinyl acetate	U	J0	0.645	5.00	1	04/24/2019 13:34	WG1271083
Vinyl chloride	0.195	J J0	0.118	0.500	1	04/24/2019 13:34	WG1271083
Xylenes, Total	U		0.316	1.50	1	04/24/2019 13:34	WG1271083
(S) Toluene-d8	*99.2*			*80.0-120*		*04/24/2019 13:34*	WG1271083
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*04/24/2019 13:34*	WG1271083
(S) 1,2-Dichloroethane-d4	*92.9*			*70.0-130*		*04/24/2019 13:34*	WG1271083

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	82900		2710	20000	1	04/29/2019 16:09	WG1273424

Sample Narrative:

L1091511-05 WG1273424: Endpoint pH 4.5 headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	7090		51.9	1000	1	04/23/2019 18:20	WG1270336
Nitrate	U		22.7	100	1	04/23/2019 18:20	WG1270336
Sulfate	7650		77.4	5000	1	04/23/2019 18:20	WG1270336

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	6040		102	1000	1	04/23/2019 23:04	WG1270623

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	4900		75.0	500	5	05/01/2019 19:44	WG1271163
Manganese	177		0.250	5.00	1	05/01/2019 19:22	WG1271163

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/24/2019 01:44	WG1270830
(S) a,a,a-Trifluorotoluene(FID)	*110*			*78.0-120*		*04/24/2019 01:44*	WG1270830

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	281		0.287	0.678	1	04/24/2019 13:53	WG1271117
Ethane	1.12	J	0.296	1.29	1	04/24/2019 13:53	WG1271117
Ethene	1.13	J	0.422	1.27	1	04/24/2019 13:53	WG1271117

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	2.37	J JO	1.05	25.0	1	04/24/2019 13:54	WG1271083
Acrylonitrile	U		0.873	5.00	1	04/24/2019 13:54	WG1271083
Benzene	U		0.0896	0.500	1	04/24/2019 13:54	WG1271083
Bromobenzene	U		0.133	0.500	1	04/24/2019 13:54	WG1271083
Bromodichloromethane	U		0.0800	0.500	1	04/24/2019 13:54	WG1271083
Bromochloromethane	U		0.145	0.500	1	04/24/2019 13:54	WG1271083
Bromoform	U		0.186	0.500	1	04/24/2019 13:54	WG1271083
Bromomethane	U	JO	0.157	2.50	1	04/24/2019 13:54	WG1271083
n-Butylbenzene	U		0.143	0.500	1	04/24/2019 13:54	WG1271083
sec-Butylbenzene	U		0.134	0.500	1	04/24/2019 13:54	WG1271083
tert-Butylbenzene	U		0.183	0.500	1	04/24/2019 13:54	WG1271083
Carbon disulfide	U		0.101	0.500	1	04/24/2019 13:54	WG1271083
Carbon tetrachloride	U		0.159	0.500	1	04/24/2019 13:54	WG1271083

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/24/2019 13:54	WG1271083
Chlorodibromomethane	U		0.128	0.500	1	04/24/2019 13:54	WG1271083
Chloroethane	U	J0	0.141	2.50	1	04/24/2019 13:54	WG1271083
Chloroform	U		0.0860	0.500	1	04/24/2019 13:54	WG1271083
Chloromethane	U		0.153	1.25	1	04/24/2019 13:54	WG1271083
2-Chlorotoluene	U		0.111	0.500	1	04/24/2019 13:54	WG1271083
4-Chlorotoluene	U		0.0972	0.500	1	04/24/2019 13:54	WG1271083
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/24/2019 13:54	WG1271083
1,2-Dibromoethane	U		0.193	0.500	1	04/24/2019 13:54	WG1271083
Dibromomethane	U		0.117	0.500	1	04/24/2019 13:54	WG1271083
1,2-Dichlorobenzene	U		0.101	0.500	1	04/24/2019 13:54	WG1271083
1,3-Dichlorobenzene	U		0.130	0.500	1	04/24/2019 13:54	WG1271083
1,4-Dichlorobenzene	U		0.121	0.500	1	04/24/2019 13:54	WG1271083
Dichlorodifluoromethane	U		0.127	2.50	1	04/24/2019 13:54	WG1271083
1,1-Dichloroethane	U		0.114	0.500	1	04/24/2019 13:54	WG1271083
1,2-Dichloroethane	U		0.108	0.500	1	04/24/2019 13:54	WG1271083
1,1-Dichloroethene	U		0.188	0.500	1	04/24/2019 13:54	WG1271083
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/24/2019 13:54	WG1271083
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/24/2019 13:54	WG1271083
1,2-Dichloropropane	U		0.190	0.500	1	04/24/2019 13:54	WG1271083
1,1-Dichloropropene	U		0.128	0.500	1	04/24/2019 13:54	WG1271083
1,3-Dichloropropane	U		0.147	1.00	1	04/24/2019 13:54	WG1271083
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/24/2019 13:54	WG1271083
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/24/2019 13:54	WG1271083
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/24/2019 13:54	WG1271083
2,2-Dichloropropane	U		0.0929	0.500	1	04/24/2019 13:54	WG1271083
Di-isopropyl ether	U		0.0924	0.500	1	04/24/2019 13:54	WG1271083
Ethylbenzene	U		0.158	0.500	1	04/24/2019 13:54	WG1271083
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/24/2019 13:54	WG1271083
2-Hexanone	U		0.757	5.00	1	04/24/2019 13:54	WG1271083
n-Hexane	U		0.305	5.00	1	04/24/2019 13:54	WG1271083
Iodomethane	U		0.377	10.0	1	04/24/2019 13:54	WG1271083
Isopropylbenzene	U		0.126	0.500	1	04/24/2019 13:54	WG1271083
p-Isopropyltoluene	U		0.138	0.500	1	04/24/2019 13:54	WG1271083
2-Butanone (MEK)	U		1.28	5.00	1	04/24/2019 13:54	WG1271083
Methylene Chloride	U		1.07	2.50	1	04/24/2019 13:54	WG1271083
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/24/2019 13:54	WG1271083
Methyl tert-butyl ether	U		0.102	0.500	1	04/24/2019 13:54	WG1271083
Naphthalene	U		0.174	2.50	1	04/24/2019 13:54	WG1271083
n-Propylbenzene	U		0.162	0.500	1	04/24/2019 13:54	WG1271083
Styrene	U		0.117	0.500	1	04/24/2019 13:54	WG1271083
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/24/2019 13:54	WG1271083
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/24/2019 13:54	WG1271083
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/24/2019 13:54	WG1271083
Tetrachloroethene	U		0.199	0.500	1	04/24/2019 13:54	WG1271083
Toluene	U		0.412	0.500	1	04/24/2019 13:54	WG1271083
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/24/2019 13:54	WG1271083
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/24/2019 13:54	WG1271083
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/24/2019 13:54	WG1271083
1,1,2-Trichloroethane	U		0.186	0.500	1	04/24/2019 13:54	WG1271083
Trichloroethene	U		0.153	0.500	1	04/24/2019 13:54	WG1271083
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/24/2019 13:54	WG1271083
1,2,3-Trichloropropane	U		0.247	2.50	1	04/24/2019 13:54	WG1271083
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/24/2019 13:54	WG1271083
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/24/2019 13:54	WG1271083
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/24/2019 13:54	WG1271083

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U	J0	0.645	5.00	1	04/24/2019 13:54	WG1271083
Vinyl chloride	U	J0	0.118	0.500	1	04/24/2019 13:54	WG1271083
Xylenes, Total	U		0.316	1.50	1	04/24/2019 13:54	WG1271083
(S) Toluene-d8	*99.6*			*80.0-120*		*04/24/2019 13:54*	WG1271083
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*04/24/2019 13:54*	WG1271083
(S) 1,2-Dichloroethane-d4	*95.4*			*70.0-130*		*04/24/2019 13:54*	WG1271083

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/23/2019 22:57	WG1270830
(S) a,a,a-Trifluorotoluene(FID)	*111*			*78.0-120*		*04/23/2019 22:57*	WG1270830

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	04/24/2019 12:14	WG1271083
Acrylonitrile	U		0.873	5.00	1	04/24/2019 12:14	WG1271083
Benzene	U		0.0896	0.500	1	04/24/2019 12:14	WG1271083
Bromobenzene	U		0.133	0.500	1	04/24/2019 12:14	WG1271083
Bromodichloromethane	U		0.0800	0.500	1	04/24/2019 12:14	WG1271083
Bromochloromethane	U		0.145	0.500	1	04/24/2019 12:14	WG1271083
Bromoform	U		0.186	0.500	1	04/24/2019 12:14	WG1271083
Bromomethane	U	J0	0.157	2.50	1	04/24/2019 12:14	WG1271083
n-Butylbenzene	U		0.143	0.500	1	04/24/2019 12:14	WG1271083
sec-Butylbenzene	U		0.134	0.500	1	04/24/2019 12:14	WG1271083
tert-Butylbenzene	U		0.183	0.500	1	04/24/2019 12:14	WG1271083
Carbon disulfide	U		0.101	0.500	1	04/24/2019 12:14	WG1271083
Carbon tetrachloride	U		0.159	0.500	1	04/24/2019 12:14	WG1271083
Chlorobenzene	U		0.140	0.500	1	04/24/2019 12:14	WG1271083
Chlorodibromomethane	U		0.128	0.500	1	04/24/2019 12:14	WG1271083
Chloroethane	U	J0	0.141	2.50	1	04/24/2019 12:14	WG1271083
Chloroform	U		0.0860	0.500	1	04/24/2019 12:14	WG1271083
Chloromethane	U		0.153	1.25	1	04/24/2019 12:14	WG1271083
2-Chlorotoluene	U		0.111	0.500	1	04/24/2019 12:14	WG1271083
4-Chlorotoluene	U		0.0972	0.500	1	04/24/2019 12:14	WG1271083
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/24/2019 12:14	WG1271083
1,2-Dibromoethane	U		0.193	0.500	1	04/24/2019 12:14	WG1271083
Dibromomethane	U		0.117	0.500	1	04/24/2019 12:14	WG1271083
1,2-Dichlorobenzene	U		0.101	0.500	1	04/24/2019 12:14	WG1271083
1,3-Dichlorobenzene	U		0.130	0.500	1	04/24/2019 12:14	WG1271083
1,4-Dichlorobenzene	U		0.121	0.500	1	04/24/2019 12:14	WG1271083
Dichlorodifluoromethane	U		0.127	2.50	1	04/24/2019 12:14	WG1271083
1,1-Dichloroethane	U		0.114	0.500	1	04/24/2019 12:14	WG1271083
1,2-Dichloroethane	U		0.108	0.500	1	04/24/2019 12:14	WG1271083
1,1-Dichloroethene	U		0.188	0.500	1	04/24/2019 12:14	WG1271083
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/24/2019 12:14	WG1271083
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/24/2019 12:14	WG1271083
1,2-Dichloropropane	U		0.190	0.500	1	04/24/2019 12:14	WG1271083
1,1-Dichloropropene	U		0.128	0.500	1	04/24/2019 12:14	WG1271083
1,3-Dichloropropane	U		0.147	1.00	1	04/24/2019 12:14	WG1271083
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/24/2019 12:14	WG1271083
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/24/2019 12:14	WG1271083
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/24/2019 12:14	WG1271083
2,2-Dichloropropane	U		0.0929	0.500	1	04/24/2019 12:14	WG1271083
Di-isopropyl ether	U		0.0924	0.500	1	04/24/2019 12:14	WG1271083
Ethylbenzene	U		0.158	0.500	1	04/24/2019 12:14	WG1271083
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/24/2019 12:14	WG1271083
2-Hexanone	U		0.757	5.00	1	04/24/2019 12:14	WG1271083
n-Hexane	U		0.305	5.00	1	04/24/2019 12:14	WG1271083
Iodomethane	U		0.377	10.0	1	04/24/2019 12:14	WG1271083
Isopropylbenzene	U		0.126	0.500	1	04/24/2019 12:14	WG1271083
p-Isopropyltoluene	U		0.138	0.500	1	04/24/2019 12:14	WG1271083
2-Butanone (MEK)	U		1.28	5.00	1	04/24/2019 12:14	WG1271083

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	04/24/2019 12:14	WG1271083
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/24/2019 12:14	WG1271083
Methyl tert-butyl ether	U		0.102	0.500	1	04/24/2019 12:14	WG1271083
Naphthalene	U		0.174	2.50	1	04/24/2019 12:14	WG1271083
n-Propylbenzene	U		0.162	0.500	1	04/24/2019 12:14	WG1271083
Styrene	U		0.117	0.500	1	04/24/2019 12:14	WG1271083
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/24/2019 12:14	WG1271083
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/24/2019 12:14	WG1271083
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/24/2019 12:14	WG1271083
Tetrachloroethene	U		0.199	0.500	1	04/24/2019 12:14	WG1271083
Toluene	U		0.412	0.500	1	04/24/2019 12:14	WG1271083
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/24/2019 12:14	WG1271083
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/24/2019 12:14	WG1271083
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/24/2019 12:14	WG1271083
1,1,2-Trichloroethane	U		0.186	0.500	1	04/24/2019 12:14	WG1271083
Trichloroethene	U		0.153	0.500	1	04/24/2019 12:14	WG1271083
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/24/2019 12:14	WG1271083
1,2,3-Trichloropropane	U		0.247	2.50	1	04/24/2019 12:14	WG1271083
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/24/2019 12:14	WG1271083
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/24/2019 12:14	WG1271083
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/24/2019 12:14	WG1271083
Vinyl acetate	U	J0	0.645	5.00	1	04/24/2019 12:14	WG1271083
Vinyl chloride	U	J0	0.118	0.500	1	04/24/2019 12:14	WG1271083
Xylenes, Total	U		0.316	1.50	1	04/24/2019 12:14	WG1271083
(S) Toluene-d8	*99.5*			*80.0-120*		*04/24/2019 12:14*	WG1271083
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*04/24/2019 12:14*	WG1271083
(S) 1,2-Dichloroethane-d4	*93.6*			*70.0-130*		*04/24/2019 12:14*	WG1271083

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/24/2019 02:08	WG1270830
(S) a,a,a-Trifluorotoluene(FID)	*110*			*78.0-120*		*04/24/2019 02:08*	WG1270830

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	04/24/2019 14:14	WG1271083
Acrylonitrile	U		0.873	5.00	1	04/24/2019 14:14	WG1271083
Benzene	U		0.0896	0.500	1	04/24/2019 14:14	WG1271083
Bromobenzene	U		0.133	0.500	1	04/24/2019 14:14	WG1271083
Bromodichloromethane	U		0.0800	0.500	1	04/24/2019 14:14	WG1271083
Bromochloromethane	U		0.145	0.500	1	04/24/2019 14:14	WG1271083
Bromoform	U		0.186	0.500	1	04/24/2019 14:14	WG1271083
Bromomethane	U	J0	0.157	2.50	1	04/24/2019 14:14	WG1271083
n-Butylbenzene	U		0.143	0.500	1	04/24/2019 14:14	WG1271083
sec-Butylbenzene	U		0.134	0.500	1	04/24/2019 14:14	WG1271083
tert-Butylbenzene	U		0.183	0.500	1	04/24/2019 14:14	WG1271083
Carbon disulfide	U		0.101	0.500	1	04/24/2019 14:14	WG1271083
Carbon tetrachloride	U		0.159	0.500	1	04/24/2019 14:14	WG1271083
Chlorobenzene	U		0.140	0.500	1	04/24/2019 14:14	WG1271083
Chlorodibromomethane	U		0.128	0.500	1	04/24/2019 14:14	WG1271083
Chloroethane	U	J0	0.141	2.50	1	04/24/2019 14:14	WG1271083
Chloroform	1.28		0.0860	0.500	1	04/24/2019 14:14	WG1271083
Chloromethane	U		0.153	1.25	1	04/24/2019 14:14	WG1271083
2-Chlorotoluene	U		0.111	0.500	1	04/24/2019 14:14	WG1271083
4-Chlorotoluene	U		0.0972	0.500	1	04/24/2019 14:14	WG1271083
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/24/2019 14:14	WG1271083
1,2-Dibromoethane	U		0.193	0.500	1	04/24/2019 14:14	WG1271083
Dibromomethane	U		0.117	0.500	1	04/24/2019 14:14	WG1271083
1,2-Dichlorobenzene	U		0.101	0.500	1	04/24/2019 14:14	WG1271083
1,3-Dichlorobenzene	U		0.130	0.500	1	04/24/2019 14:14	WG1271083
1,4-Dichlorobenzene	U		0.121	0.500	1	04/24/2019 14:14	WG1271083
Dichlorodifluoromethane	U		0.127	2.50	1	04/24/2019 14:14	WG1271083
1,1-Dichloroethane	U		0.114	0.500	1	04/24/2019 14:14	WG1271083
1,2-Dichloroethane	U		0.108	0.500	1	04/24/2019 14:14	WG1271083
1,1-Dichloroethene	U		0.188	0.500	1	04/24/2019 14:14	WG1271083
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/24/2019 14:14	WG1271083
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/24/2019 14:14	WG1271083
1,2-Dichloropropane	U		0.190	0.500	1	04/24/2019 14:14	WG1271083
1,1-Dichloropropene	U		0.128	0.500	1	04/24/2019 14:14	WG1271083
1,3-Dichloropropane	U		0.147	1.00	1	04/24/2019 14:14	WG1271083
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/24/2019 14:14	WG1271083
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/24/2019 14:14	WG1271083
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/24/2019 14:14	WG1271083
2,2-Dichloropropane	U		0.0929	0.500	1	04/24/2019 14:14	WG1271083
Di-isopropyl ether	U		0.0924	0.500	1	04/24/2019 14:14	WG1271083
Ethylbenzene	U		0.158	0.500	1	04/24/2019 14:14	WG1271083
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/24/2019 14:14	WG1271083
2-Hexanone	U		0.757	5.00	1	04/24/2019 14:14	WG1271083
n-Hexane	U		0.305	5.00	1	04/24/2019 14:14	WG1271083
Iodomethane	U		0.377	10.0	1	04/24/2019 14:14	WG1271083
Isopropylbenzene	U		0.126	0.500	1	04/24/2019 14:14	WG1271083
p-Isopropyltoluene	U		0.138	0.500	1	04/24/2019 14:14	WG1271083
2-Butanone (MEK)	U		1.28	5.00	1	04/24/2019 14:14	WG1271083

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/24/2019 14:14	WG1271083
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/24/2019 14:14	WG1271083
Methyl tert-butyl ether	U		0.102	0.500	1	04/24/2019 14:14	WG1271083
Naphthalene	U		0.174	2.50	1	04/24/2019 14:14	WG1271083
n-Propylbenzene	U		0.162	0.500	1	04/24/2019 14:14	WG1271083
Styrene	U		0.117	0.500	1	04/24/2019 14:14	WG1271083
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/24/2019 14:14	WG1271083
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/24/2019 14:14	WG1271083
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/24/2019 14:14	WG1271083
Tetrachloroethene	0.499	J	0.199	0.500	1	04/24/2019 14:14	WG1271083
Toluene	0.428	J	0.412	0.500	1	04/24/2019 14:14	WG1271083
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/24/2019 14:14	WG1271083
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/24/2019 14:14	WG1271083
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/24/2019 14:14	WG1271083
1,1,2-Trichloroethane	U		0.186	0.500	1	04/24/2019 14:14	WG1271083
Trichloroethene	0.155	J	0.153	0.500	1	04/24/2019 14:14	WG1271083
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/24/2019 14:14	WG1271083
1,2,3-Trichloropropane	U		0.247	2.50	1	04/24/2019 14:14	WG1271083
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/24/2019 14:14	WG1271083
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/24/2019 14:14	WG1271083
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/24/2019 14:14	WG1271083
Vinyl acetate	U	J0	0.645	5.00	1	04/24/2019 14:14	WG1271083
Vinyl chloride	U	J0	0.118	0.500	1	04/24/2019 14:14	WG1271083
Xylenes, Total	U		0.316	1.50	1	04/24/2019 14:14	WG1271083
(S) Toluene-d8	*99.5*			*80.0-120*		*04/24/2019 14:14*	WG1271083
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*04/24/2019 14:14*	WG1271083
(S) 1,2-Dichloroethane-d4	*94.6*			*70.0-130*		*04/24/2019 14:14*	WG1271083

Method Blank (MB)

(MB) R3406609-1 04/29/19 15:19

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Alkalinity	3140	J	2710	20000

Sample Narrative:

BLANK: Endpoint pH 4.5

L1091051-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1091051-02 04/29/19 15:25 • (DUP) R3406609-3 04/29/19 15:33

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	171000	172000	1	0.927		20

Sample Narrative:

OS: Endpoint pH 4.5 headspace

DUP: Endpoint pH 4.5

L1091709-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1091709-05 04/29/19 18:19 • (DUP) R3406609-6 04/29/19 18:26

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	1070000	1070000	1	0.269		20

Sample Narrative:

OS: Endpoint pH 4.5 headspace

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3406609-5 04/29/19 16:32

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Alkalinity	100000	102000	102	85.0-115	

Sample Narrative:

LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R3404733-1 04/23/19 09:46

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Chloride	U		51.9	1000
Nitrate	U		22.7	100
Sulfate	U		77.4	5000

L1091072-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1091072-01 04/23/19 11:53 • (DUP) R3404733-3 04/23/19 12:07

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	3350	3360	1	0.307		15
Nitrate	ND	65.0	1	0.000		15
Sulfate	ND	347	1	0.000		15

L1091484-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1091484-01 04/23/19 17:20 • (DUP) R3404733-6 04/23/19 17:35

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	65900	65800	1	0.137		15
Nitrate	ND	0.000	1	0.000		15
Sulfate	29900	29900	1	0.0678		15

Laboratory Control Sample (LCS)

(LCS) R3404733-2 04/23/19 10:01

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40000	40300	101	80.0-120	
Nitrate	8000	8280	103	80.0-120	
Sulfate	40000	41100	103	80.0-120	

L1091072-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1091072-01 04/23/19 11:53 • (MS) R3404733-4 04/23/19 12:22 • (MSD) R3404733-5 04/23/19 12:37

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50000	3350	53400	53500	100	100	1	80.0-120			0.140	15
Nitrate	5000	ND	5070	5090	100	101	1	80.0-120			0.325	15
Sulfate	50000	ND	51000	51100	101	101	1	80.0-120			0.196	15

L1091484-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1091484-01 04/23/19 17:20 • (MS) R3404733-7 04/23/19 17:50

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	65900	114000	95.1	1	80.0-120	E
Nitrate	5000	ND	4970	99.4	1	80.0-120	
Sulfate	50000	29900	79300	98.8	1	80.0-120	

L1087661-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1087661-01 04/23/19 19:16 • (MS) R3404733-8 04/23/19 19:30 • (MSD) R3404733-9 04/23/19 19:45

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50000	40000	89700	89600	99.3	99.1	1	80.0-120			0.101	15
Nitrate	5000	U	4800	4800	96.0	95.9	1	80.0-120			0.100	15
Sulfate	50000	725000	733000	733000	15.7	16.1	1	80.0-120	E V	E V	0.0331	15

Method Blank (MB)

(MB) R3404780-1 04/23/19 18:14

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	258	J	102	1000

L1091249-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1091249-15 04/23/19 19:34 • (DUP) R3404780-3 04/23/19 19:50

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC	ND	316	1	0.000		20

L1091616-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1091616-02 04/23/19 23:34 • (DUP) R3404780-6 04/23/19 23:47

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC	814000	795000	20	2.37		20

Laboratory Control Sample (LCS)

(LCS) R3404780-2 04/23/19 18:46

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC	75000	75300	100	85.0-115	

L1091465-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1091465-01 04/23/19 22:07 • (MS) R3404780-4 04/23/19 22:21 • (MSD) R3404780-5 04/23/19 22:35

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC	50000	4090	51600	51600	95.0	95.0	1	80.0-120			0.0388	20

L1091616-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1091616-08 04/24/19 02:16 • (MS) R3404780-7 04/24/19 02:30 • (MSD) R3404780-8 04/24/19 02:44

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 %
TOC	50000	5250	54800	54300	99.1	98.1	1	80.0-120			0.954	20

Method Blank (MB)

(MB) R3406868-1 05/01/19 00:18

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Iron	U		15.0	100
Manganese	U		0.250	5.00

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

(LCS) R3406868-2 05/01/19 00:23 • (LCSD) R3406868-3 05/01/19 00:27

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Iron	500	498	488	99.6	97.6	80.0-120			2.06	20
Manganese	50.0	49.1	47.1	98.1	94.1	80.0-120			4.14	20

L1090824-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1090824-02 05/01/19 00:32 • (MS) R3406868-5 05/01/19 00:41 • (MSD) R3406868-6 05/01/19 00:46

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Iron	500	899	1380	1480	97.0	117	1	75.0-125			6.95	20
Manganese	50.0	164	207	211	86.9	94.4	1	75.0-125			1.80	20

Method Blank (MB)

(MB) R3405465-2 04/23/19 22:33

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	U		31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*111*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3405465-1 04/23/19 21:45

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	6170	112	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*103*	*78.0-120*	

L1091183-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1091183-01 04/23/19 23:44 • (MS) R3405465-3 04/24/19 06:54 • (MSD) R3405465-4 04/24/19 07:18

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	6400	5810	116	106	1	10.0-155			9.60	21
(S) a,a,a-Trifluorotoluene(FID)					*103*	*102*		*78.0-120*				

Method Blank (MB)

(MB) R3404989-1 04/24/19 13:45

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

L1091477-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1091477-07 04/24/19 13:48 • (DUP) R3404989-2 04/24/19 15:25

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	7640	7300	10	4.64		20
Ethane	U	0.000	10	0.000		20
Ethene	U	0.000	10	0.000		20

L1091573-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1091573-05 04/24/19 13:57 • (DUP) R3404989-3 04/24/19 15:30

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	15100	15000	10	0.0720		20
Ethane	U	0.000	10	0.000		20
Ethene	U	0.000	10	0.000		20

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

(LCS) R3404989-4 04/24/19 15:33 • (LCSD) R3404989-5 04/24/19 15:36

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	76.1	77.2	112	114	85.0-115			1.43	20
Ethane	129	119	121	92.2	93.6	85.0-115			1.54	20
Ethene	127	123	122	96.9	96.3	85.0-115			0.680	20

Method Blank (MB)

(MB) R3405761-3 04/24/19 10:19

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
Carbon disulfide	U		0.101	0.500
sec-Butylbenzene	U		0.134	0.500
Carbon tetrachloride	U		0.159	0.500
tert-Butylbenzene	U		0.183	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) R3405761-3 04/24/19 10:19

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	0.275	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
Ethylbenzene	U		0.158	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
Isopropylbenzene	U		0.126	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
p-Isopropyltoluene	U		0.138	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
n-Propylbenzene	U		0.162	0.500
1,2,3-Trimethylbenzene	U		0.0739	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
1,2,4-Trimethylbenzene	U		0.123	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
(S) Toluene-d8	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*107*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*91.2*			*70.0-130*

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

(LCS) R3405761-1 04/24/19 09:19 • (LCSD) R3405761-2 04/24/19 09:39

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	148	124	119	19.0-160			4.69	27
Acrylonitrile	125	150	158	120	126	55.0-149			4.93	20
Bromobenzene	25.0	23.2	23.5	92.9	94.2	73.0-121			1.38	20
Bromodichloromethane	25.0	22.3	22.2	89.3	89.0	75.0-120			0.350	20
Bromochloromethane	25.0	23.7	23.6	94.9	94.5	76.0-122			0.414	20
Bromoform	25.0	27.4	26.8	110	107	68.0-132			2.18	20
Bromomethane	25.0	17.9	17.6	71.5	70.3	10.0-160			1.67	25
Carbon disulfide	25.0	27.9	28.1	111	113	61.0-128			1.03	20
Carbon tetrachloride	25.0	23.3	23.4	93.1	93.6	68.0-126			0.508	20
Chlorobenzene	25.0	23.9	23.7	95.8	94.7	80.0-121			1.19	20
Chlorodibromomethane	25.0	24.3	23.9	97.1	95.6	77.0-125			1.64	20
Chloroethane	25.0	16.6	16.5	66.5	66.1	47.0-150			0.641	20
Chloroform	25.0	21.9	21.9	87.7	87.7	73.0-120			0.0865	20
Chloromethane	25.0	25.8	26.7	103	107	41.0-142			3.31	20
2-Chlorotoluene	25.0	22.1	23.1	88.3	92.4	76.0-123			4.55	20
4-Chlorotoluene	25.0	22.5	23.3	90.2	93.0	75.0-122			3.15	20
1,2-Dibromo-3-Chloropropane	25.0	26.5	28.6	106	114	58.0-134			7.78	20
1,2-Dibromoethane	25.0	23.7	23.5	94.9	94.0	80.0-122			1.05	20
Dibromomethane	25.0	22.8	22.7	91.2	90.7	80.0-120			0.460	20
1,2-Dichlorobenzene	25.0	23.0	23.4	91.9	93.7	79.0-121			1.90	20
1,3-Dichlorobenzene	25.0	22.6	23.1	90.4	92.5	79.0-120			2.30	20
1,4-Dichlorobenzene	25.0	22.0	22.0	88.0	87.9	79.0-120			0.0272	20
Dichlorodifluoromethane	25.0	25.9	25.8	104	103	51.0-149			0.138	20
1,1-Dichloroethane	25.0	24.4	24.7	97.4	98.8	70.0-126			1.36	20
1,2-Dichloroethane	25.0	20.9	21.0	83.4	83.9	70.0-128			0.549	20
1,1-Dichloroethene	25.0	24.6	24.4	98.3	97.6	71.0-124			0.735	20
cis-1,2-Dichloroethene	25.0	24.0	23.7	95.9	94.7	73.0-120			1.21	20
Benzene	25.0	25.9	25.8	104	103	70.0-123			0.330	20
trans-1,2-Dichloroethene	25.0	24.2	24.7	96.8	98.9	73.0-120			2.14	20
1,2-Dichloropropane	25.0	26.3	26.3	105	105	77.0-125			0.163	20
1,1-Dichloropropene	25.0	24.3	24.2	97.0	96.7	74.0-126			0.352	20
1,3-Dichloropropane	25.0	25.1	25.0	101	99.9	80.0-120			0.653	20
cis-1,3-Dichloropropene	25.0	23.5	23.1	93.8	92.5	80.0-123			1.45	20
trans-1,3-Dichloropropene	25.0	22.6	22.5	90.5	89.9	78.0-124			0.668	20
trans-1,4-Dichloro-2-butene	25.0	20.8	21.7	83.3	86.9	33.0-144			4.23	20
2,2-Dichloropropane	25.0	25.9	25.9	104	104	58.0-130			0.0126	20
n-Butylbenzene	25.0	21.5	21.8	85.9	87.4	73.0-125			1.72	20
Di-isopropyl ether	25.0	27.9	28.3	111	113	58.0-138			1.53	20
sec-Butylbenzene	25.0	22.4	23.0	89.5	91.9	75.0-125			2.67	20
tert-Butylbenzene	25.0	23.1	24.1	92.3	96.5	76.0-124			4.41	20

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

(LCS) R3405761-1 04/24/19 09:19 • (LCSD) R3405761-2 04/24/19 09:39

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	27.6	29.3	110	117	54.0-138			6.19	20
2-Hexanone	125	146	148	117	119	67.0-149			1.62	20
n-Hexane	25.0	26.0	24.9	104	99.4	57.0-133			4.59	20
Iodomethane	125	133	133	106	106	33.0-147			0.179	26
2-Butanone (MEK)	125	155	160	124	128	44.0-160			3.27	20
Methylene Chloride	25.0	24.5	25.0	98.1	100	67.0-120			2.09	20
4-Methyl-2-pentanone (MIBK)	125	143	145	115	116	68.0-142			1.19	20
Styrene	25.0	27.4	26.7	110	107	73.0-130			2.64	20
1,1,1,2-Tetrachloroethane	25.0	24.1	24.1	96.3	96.5	75.0-125			0.203	20
1,1,2,2-Tetrachloroethane	25.0	20.9	21.7	83.7	87.0	65.0-130			3.84	20
1,1,2-Trichlorotrifluoroethane	25.0	22.8	22.6	91.1	90.6	69.0-132			0.600	20
Tetrachloroethene	25.0	25.2	24.6	101	98.6	72.0-132			2.13	20
1,2,3-Trichlorobenzene	25.0	23.4	25.1	93.7	100	50.0-138			6.79	20
1,2,4-Trichlorobenzene	25.0	23.9	25.3	95.5	101	57.0-137			6.02	20
1,1,1-Trichloroethane	25.0	23.6	23.6	94.3	94.3	73.0-124			0.0116	20
1,1,2-Trichloroethane	25.0	23.1	22.9	92.6	91.4	80.0-120			1.26	20
Trichloroethene	25.0	26.1	25.9	104	104	78.0-124			0.572	20
Trichlorofluoromethane	25.0	16.0	15.8	64.0	63.3	59.0-147			1.09	20
1,2,3-Trichloropropane	25.0	20.6	21.9	82.6	87.4	73.0-130			5.66	20
1,2,3-Trimethylbenzene	25.0	21.6	22.1	86.6	88.6	77.0-120			2.31	20
Vinyl acetate	125	72.4	73.4	57.9	58.7	11.0-160			1.37	20
Vinyl chloride	25.0	18.3	18.2	73.2	72.7	67.0-131			0.636	20
Xylenes, Total	75.0	73.5	73.4	98.0	97.9	79.0-123			0.136	20
Ethylbenzene	25.0	24.2	24.2	96.8	96.9	79.0-123			0.119	20
Isopropylbenzene	25.0	25.4	25.3	102	101	76.0-127			0.180	20
p-Isopropyltoluene	25.0	22.5	23.2	90.1	92.7	76.0-125			2.85	20
Methyl tert-butyl ether	25.0	23.5	23.7	94.1	94.8	68.0-125			0.771	20
Naphthalene	25.0	23.2	24.8	92.7	99.1	54.0-135			6.76	20
n-Propylbenzene	25.0	22.1	22.4	88.4	89.7	77.0-124			1.48	20
Toluene	25.0	25.8	25.4	103	102	79.0-120			1.62	20
1,2,4-Trimethylbenzene	25.0	22.1	22.5	88.5	90.0	76.0-121			1.68	20
1,3,5-Trimethylbenzene	25.0	22.2	23.0	88.7	92.0	76.0-122			3.67	20
(S) Toluene-d8				*101*	*100*	*80.0-120*				
(S) 4-Bromofluorobenzene				*107*	*106*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*92.9*	*91.6*	*70.0-130*				

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

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: The identification of the analyte is acceptable, but the reported concentration is an estimate. The calibration met method criteria.
V	The sample concentration is too high to evaluate accurate spike recoveries.

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

State Accreditations

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

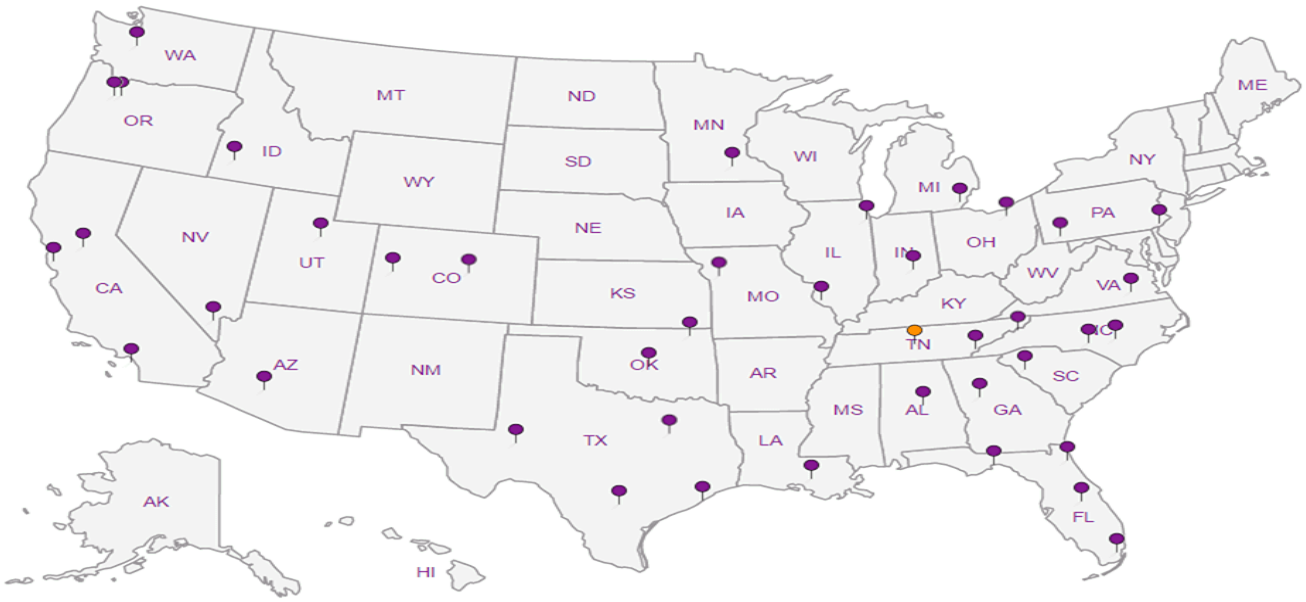
Third Party Federal Accreditations

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

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

Our Locations

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



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Report to: Brian O'Neal/Bill Haldeman

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

Project Description: American Linen

City/State Collected: SEATTLE, WA

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

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): SHANNON MCKERNAN

Site/Facility ID # AMERICAN LINEN

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	VOCs (V8260LC) 40mlAmb-HCl	Alkalinity (2320 B-2011)	Cl^-, SO_4^{2-}, NO_3^- (9056A)	TOC (9060A)	IRON/MANGANESE (6020A)	Methane/Ethane/Ethene (RSK175)	Remarks	Sample # (lab only)
MW-138-042219	GRAB	GW	110	4/22/19	1030	12	X	X	X	X	X	X	X		-01
GEI-1-042219	"	GW	31	"	1040	6	X	X							-02
R-MW5-042219		GW	24		1130	12	X	X	X	X	X	X	X		(FM)
GEI-2-042219		GW	55		1150	6		X							-03
FMW-131-042219		GW	68		1255	6		X							-04
MW112-042219	↓	GW	80	↓	1300	12	X	X	X	X	X	X	X		-05
TRIPBLANK-042219	—	~~GW~~	—	4/22/19	—	1	X	X							-06
R-MW5-042219	GRAB	GW	24	4/22/19	1130	6	X	X							-07
		GW													
		GW													

Chain of Custody Page 1 of 1

Pace Analytical® National Center for Testing & Innovation

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

L # L091511
A047

Acctnum: PESENVSWA
Template: T146397
Prelogin: P694557
TSR: 110 - Brian Ford
PB: 2/15/19 mc

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 # 4757

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	4/22/19	1530	
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
1

Temp: A7BF °C
4.4+.1=4.5

Bottles Received: 48

Date: 4-23-19 Time: 8:45

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

May 08, 2019

PES Environmental, Inc.- WA

Sample Delivery Group:	L1091936
Samples Received:	04/24/2019
Project Number:	1413.001.05.601
Description:	American Linen
Site:	AMERICAN LINEN
Report To:	Brian O'Neal/Bill Haldeman
	1215 Fourth Ave., Suite 1350
	Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



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MW103-042219 L1091936-01 GW

Collected by: KZ/BH | Collected date/time: 04/22/19 15:05 | Received date/time: 04/24/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1271705	1	04/25/19 16:48	04/25/19 16:48	BMB	Mt. Juliet, TN

MW111-042219 L1091936-02 GW

Collected by: KZ/BH | Collected date/time: 04/22/19 15:05 | Received date/time: 04/24/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1271705	1	04/25/19 17:08	04/25/19 17:08	BMB	Mt. Juliet, TN

MW104-042319 L1091936-03 GW

Collected by: KZ/BH | Collected date/time: 04/23/19 08:35 | Received date/time: 04/24/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1273424	1	04/29/19 17:35	04/29/19 17:35	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1271082	1	04/24/19 19:20	04/24/19 19:20	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1271094	1	04/24/19 22:37	04/24/19 22:37	EEM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1271169	5	04/26/19 14:47	05/07/19 00:32	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1271515	1	04/25/19 14:32	04/25/19 14:32	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1271298	1	04/26/19 13:42	04/26/19 13:42	MEL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1271083	1	04/24/19 18:16	04/24/19 18:16	JCP	Mt. Juliet, TN

MW105-042319 L1091936-04 GW

Collected by: KZ/BH | Collected date/time: 04/23/19 10:35 | Received date/time: 04/24/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1273424	1	04/29/19 17:43	04/29/19 17:43	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1271082	1	04/24/19 19:35	04/24/19 19:35	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1271094	1	04/24/19 23:17	04/24/19 23:17	EEM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1271169	5	04/26/19 14:47	05/07/19 00:37	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1271515	1	04/25/19 14:56	04/25/19 14:56	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1271298	1	04/26/19 13:45	04/26/19 13:45	MEL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1271083	1	04/24/19 18:36	04/24/19 18:36	JCP	Mt. Juliet, TN

MW147-042319 L1091936-05 GW

Collected by: KZ/BH | Collected date/time: 04/23/19 14:00 | Received date/time: 04/24/19 08:45

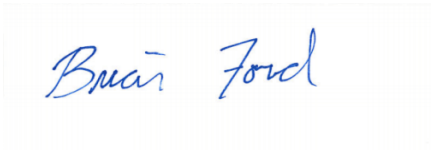
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1273424	1	04/29/19 17:50	04/29/19 17:50	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1271082	1	04/24/19 19:49	04/24/19 19:49	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1271094	1	04/24/19 23:34	04/24/19 23:34	EEM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1271169	5	04/26/19 14:47	05/07/19 00:43	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1271515	1	04/25/19 15:20	04/25/19 15:20	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1271298	1	04/26/19 13:49	04/26/19 13:49	MEL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1271298	10	04/26/19 14:59	04/26/19 14:59	MEL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1271083	1	04/24/19 18:56	04/24/19 18:56	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1272362	10	04/26/19 12:43	04/26/19 12:43	ACG	Mt. Juliet, TN

TRIP BLANK-042319 L1091936-06 GW

Collected by	Collected date/time	Received date/time
KZ/BH	04/23/19 00:00	04/24/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1271515	1	04/25/19 12:32	04/25/19 12:32	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1271083	1	04/24/19 16:36	04/24/19 16:36	JCP	Mt. Juliet, TN

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



Brian Ford
Project Manager

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.66	J J0 J3 J4	1.05	25.0	1	04/25/2019 16:48	WG1271705
Acrylonitrile	U		0.873	5.00	1	04/25/2019 16:48	WG1271705
Benzene	U		0.0896	0.500	1	04/25/2019 16:48	WG1271705
Bromobenzene	U		0.133	0.500	1	04/25/2019 16:48	WG1271705
Bromodichloromethane	U		0.0800	0.500	1	04/25/2019 16:48	WG1271705
Bromochloromethane	U		0.145	0.500	1	04/25/2019 16:48	WG1271705
Bromoform	U		0.186	0.500	1	04/25/2019 16:48	WG1271705
Bromomethane	U	J0	0.157	2.50	1	04/25/2019 16:48	WG1271705
n-Butylbenzene	U		0.143	0.500	1	04/25/2019 16:48	WG1271705
sec-Butylbenzene	U		0.134	0.500	1	04/25/2019 16:48	WG1271705
tert-Butylbenzene	U		0.183	0.500	1	04/25/2019 16:48	WG1271705
Carbon disulfide	U		0.101	0.500	1	04/25/2019 16:48	WG1271705
Carbon tetrachloride	U		0.159	0.500	1	04/25/2019 16:48	WG1271705
Chlorobenzene	U		0.140	0.500	1	04/25/2019 16:48	WG1271705
Chlorodibromomethane	U		0.128	0.500	1	04/25/2019 16:48	WG1271705
Chloroethane	U	J0	0.141	2.50	1	04/25/2019 16:48	WG1271705
Chloroform	U		0.0860	0.500	1	04/25/2019 16:48	WG1271705
Chloromethane	U		0.153	1.25	1	04/25/2019 16:48	WG1271705
2-Chlorotoluene	U		0.111	0.500	1	04/25/2019 16:48	WG1271705
4-Chlorotoluene	U		0.0972	0.500	1	04/25/2019 16:48	WG1271705
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/25/2019 16:48	WG1271705
1,2-Dibromoethane	U		0.193	0.500	1	04/25/2019 16:48	WG1271705
Dibromomethane	U		0.117	0.500	1	04/25/2019 16:48	WG1271705
1,2-Dichlorobenzene	U		0.101	0.500	1	04/25/2019 16:48	WG1271705
1,3-Dichlorobenzene	U		0.130	0.500	1	04/25/2019 16:48	WG1271705
1,4-Dichlorobenzene	U		0.121	0.500	1	04/25/2019 16:48	WG1271705
Dichlorodifluoromethane	U		0.127	2.50	1	04/25/2019 16:48	WG1271705
1,1-Dichloroethane	U		0.114	0.500	1	04/25/2019 16:48	WG1271705
1,2-Dichloroethane	U		0.108	0.500	1	04/25/2019 16:48	WG1271705
1,1-Dichloroethene	1.22		0.188	0.500	1	04/25/2019 16:48	WG1271705
cis-1,2-Dichloroethene	88.0		0.0933	0.500	1	04/25/2019 16:48	WG1271705
trans-1,2-Dichloroethene	0.209	J	0.152	0.500	1	04/25/2019 16:48	WG1271705
1,2-Dichloropropane	U		0.190	0.500	1	04/25/2019 16:48	WG1271705
1,1-Dichloropropene	U		0.128	0.500	1	04/25/2019 16:48	WG1271705
1,3-Dichloropropane	U		0.147	1.00	1	04/25/2019 16:48	WG1271705
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/25/2019 16:48	WG1271705
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/25/2019 16:48	WG1271705
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/25/2019 16:48	WG1271705
2,2-Dichloropropane	U		0.0929	0.500	1	04/25/2019 16:48	WG1271705
Di-isopropyl ether	U		0.0924	0.500	1	04/25/2019 16:48	WG1271705
Ethylbenzene	U		0.158	0.500	1	04/25/2019 16:48	WG1271705
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/25/2019 16:48	WG1271705
2-Hexanone	U		0.757	5.00	1	04/25/2019 16:48	WG1271705
n-Hexane	U		0.305	5.00	1	04/25/2019 16:48	WG1271705
Iodomethane	U		0.377	10.0	1	04/25/2019 16:48	WG1271705
Isopropylbenzene	U		0.126	0.500	1	04/25/2019 16:48	WG1271705
p-Isopropyltoluene	U		0.138	0.500	1	04/25/2019 16:48	WG1271705
2-Butanone (MEK)	U		1.28	5.00	1	04/25/2019 16:48	WG1271705
Methylene Chloride	U		1.07	2.50	1	04/25/2019 16:48	WG1271705
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/25/2019 16:48	WG1271705
Methyl tert-butyl ether	U		0.102	0.500	1	04/25/2019 16:48	WG1271705
Naphthalene	U		0.174	2.50	1	04/25/2019 16:48	WG1271705
n-Propylbenzene	U		0.162	0.500	1	04/25/2019 16:48	WG1271705
Styrene	U		0.117	0.500	1	04/25/2019 16:48	WG1271705
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/25/2019 16:48	WG1271705
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/25/2019 16:48	WG1271705

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/25/2019 16:48	WG1271705
Tetrachloroethene	U		0.199	0.500	1	04/25/2019 16:48	WG1271705
Toluene	U		0.412	0.500	1	04/25/2019 16:48	WG1271705
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/25/2019 16:48	WG1271705
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/25/2019 16:48	WG1271705
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/25/2019 16:48	WG1271705
1,1,2-Trichloroethane	U		0.186	0.500	1	04/25/2019 16:48	WG1271705
Trichloroethene	3.09		0.153	0.500	1	04/25/2019 16:48	WG1271705
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/25/2019 16:48	WG1271705
1,2,3-Trichloropropane	U		0.247	2.50	1	04/25/2019 16:48	WG1271705
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/25/2019 16:48	WG1271705
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/25/2019 16:48	WG1271705
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/25/2019 16:48	WG1271705
Vinyl acetate	U		0.645	5.00	1	04/25/2019 16:48	WG1271705
Vinyl chloride	32.3	J0	0.118	0.500	1	04/25/2019 16:48	WG1271705
Xylenes, Total	U		0.316	1.50	1	04/25/2019 16:48	WG1271705
(S) Toluene-d8	*100*			*80.0-120*		*04/25/2019 16:48*	WG1271705
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*04/25/2019 16:48*	WG1271705
(S) 1,2-Dichloroethane-d4	*91.6*			*70.0-130*		*04/25/2019 16:48*	WG1271705

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	1.17	J J0 J3 J4	1.05	25.0	1	04/25/2019 17:08	WG1271705
Acrylonitrile	U		0.873	5.00	1	04/25/2019 17:08	WG1271705
Benzene	U		0.0896	0.500	1	04/25/2019 17:08	WG1271705
Bromobenzene	U		0.133	0.500	1	04/25/2019 17:08	WG1271705
Bromodichloromethane	U		0.0800	0.500	1	04/25/2019 17:08	WG1271705
Bromochloromethane	U		0.145	0.500	1	04/25/2019 17:08	WG1271705
Bromoform	U		0.186	0.500	1	04/25/2019 17:08	WG1271705
Bromomethane	U	J0	0.157	2.50	1	04/25/2019 17:08	WG1271705
n-Butylbenzene	U		0.143	0.500	1	04/25/2019 17:08	WG1271705
sec-Butylbenzene	U		0.134	0.500	1	04/25/2019 17:08	WG1271705
tert-Butylbenzene	U		0.183	0.500	1	04/25/2019 17:08	WG1271705
Carbon disulfide	U		0.101	0.500	1	04/25/2019 17:08	WG1271705
Carbon tetrachloride	U		0.159	0.500	1	04/25/2019 17:08	WG1271705
Chlorobenzene	U		0.140	0.500	1	04/25/2019 17:08	WG1271705
Chlorodibromomethane	U		0.128	0.500	1	04/25/2019 17:08	WG1271705
Chloroethane	0.255	J J0	0.141	2.50	1	04/25/2019 17:08	WG1271705
Chloroform	U		0.0860	0.500	1	04/25/2019 17:08	WG1271705
Chloromethane	U		0.153	1.25	1	04/25/2019 17:08	WG1271705
2-Chlorotoluene	U		0.111	0.500	1	04/25/2019 17:08	WG1271705
4-Chlorotoluene	U		0.0972	0.500	1	04/25/2019 17:08	WG1271705
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/25/2019 17:08	WG1271705
1,2-Dibromoethane	U		0.193	0.500	1	04/25/2019 17:08	WG1271705
Dibromomethane	U		0.117	0.500	1	04/25/2019 17:08	WG1271705
1,2-Dichlorobenzene	U		0.101	0.500	1	04/25/2019 17:08	WG1271705
1,3-Dichlorobenzene	U		0.130	0.500	1	04/25/2019 17:08	WG1271705
1,4-Dichlorobenzene	U		0.121	0.500	1	04/25/2019 17:08	WG1271705
Dichlorodifluoromethane	U		0.127	2.50	1	04/25/2019 17:08	WG1271705
1,1-Dichloroethane	U		0.114	0.500	1	04/25/2019 17:08	WG1271705
1,2-Dichloroethane	U		0.108	0.500	1	04/25/2019 17:08	WG1271705
1,1-Dichloroethene	U		0.188	0.500	1	04/25/2019 17:08	WG1271705
cis-1,2-Dichloroethene	3.18		0.0933	0.500	1	04/25/2019 17:08	WG1271705
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/25/2019 17:08	WG1271705
1,2-Dichloropropane	U		0.190	0.500	1	04/25/2019 17:08	WG1271705
1,1-Dichloropropene	U		0.128	0.500	1	04/25/2019 17:08	WG1271705
1,3-Dichloropropane	U		0.147	1.00	1	04/25/2019 17:08	WG1271705
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/25/2019 17:08	WG1271705
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/25/2019 17:08	WG1271705
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/25/2019 17:08	WG1271705
2,2-Dichloropropane	U		0.0929	0.500	1	04/25/2019 17:08	WG1271705
Di-isopropyl ether	U		0.0924	0.500	1	04/25/2019 17:08	WG1271705
Ethylbenzene	U		0.158	0.500	1	04/25/2019 17:08	WG1271705
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/25/2019 17:08	WG1271705
2-Hexanone	U		0.757	5.00	1	04/25/2019 17:08	WG1271705
n-Hexane	U		0.305	5.00	1	04/25/2019 17:08	WG1271705
Iodomethane	U		0.377	10.0	1	04/25/2019 17:08	WG1271705
Isopropylbenzene	U		0.126	0.500	1	04/25/2019 17:08	WG1271705
p-Isopropyltoluene	U		0.138	0.500	1	04/25/2019 17:08	WG1271705
2-Butanone (MEK)	U		1.28	5.00	1	04/25/2019 17:08	WG1271705
Methylene Chloride	U		1.07	2.50	1	04/25/2019 17:08	WG1271705
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/25/2019 17:08	WG1271705
Methyl tert-butyl ether	U		0.102	0.500	1	04/25/2019 17:08	WG1271705
Naphthalene	U		0.174	2.50	1	04/25/2019 17:08	WG1271705
n-Propylbenzene	U		0.162	0.500	1	04/25/2019 17:08	WG1271705
Styrene	U		0.117	0.500	1	04/25/2019 17:08	WG1271705
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/25/2019 17:08	WG1271705
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/25/2019 17:08	WG1271705

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/25/2019 17:08	WG1271705
Tetrachloroethene	U		0.199	0.500	1	04/25/2019 17:08	WG1271705
Toluene	U		0.412	0.500	1	04/25/2019 17:08	WG1271705
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/25/2019 17:08	WG1271705
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/25/2019 17:08	WG1271705
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/25/2019 17:08	WG1271705
1,1,2-Trichloroethane	U		0.186	0.500	1	04/25/2019 17:08	WG1271705
Trichloroethene	U		0.153	0.500	1	04/25/2019 17:08	WG1271705
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/25/2019 17:08	WG1271705
1,2,3-Trichloropropane	U		0.247	2.50	1	04/25/2019 17:08	WG1271705
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/25/2019 17:08	WG1271705
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/25/2019 17:08	WG1271705
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/25/2019 17:08	WG1271705
Vinyl acetate	U		0.645	5.00	1	04/25/2019 17:08	WG1271705
Vinyl chloride	19.5	J0	0.118	0.500	1	04/25/2019 17:08	WG1271705
Xylenes, Total	U		0.316	1.50	1	04/25/2019 17:08	WG1271705
(S) Toluene-d8	*100*			*80.0-120*		*04/25/2019 17:08*	WG1271705
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*04/25/2019 17:08*	WG1271705
(S) 1,2-Dichloroethane-d4	*93.3*			*70.0-130*		*04/25/2019 17:08*	WG1271705

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	196000		2710	20000	1	04/29/2019 17:35	WG1273424

Sample Narrative:

L1091936-03 WG1273424: Endpoint pH 4.5 headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	18600		51.9	1000	1	04/24/2019 19:20	WG1271082
Nitrate	U		22.7	100	1	04/24/2019 19:20	WG1271082
Sulfate	5960		77.4	5000	1	04/24/2019 19:20	WG1271082

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	5970		102	1000	1	04/24/2019 22:37	WG1271094

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	5030		75.0	500	5	05/07/2019 00:32	WG1271169
Manganese	285		1.25	25.0	5	05/07/2019 00:32	WG1271169

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	174		31.6	100	1	04/25/2019 14:32	WG1271515
(S) a,a,a-Trifluorotoluene(FID)	*111*			*78.0-120*		*04/25/2019 14:32*	WG1271515

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	437		0.287	0.678	1	04/26/2019 13:42	WG1271298
Ethane	2.60		0.296	1.29	1	04/26/2019 13:42	WG1271298
Ethene	17.7		0.422	1.27	1	04/26/2019 13:42	WG1271298

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	23.4	J JO	1.05	25.0	1	04/24/2019 18:16	WG1271083
Acrylonitrile	U		0.873	5.00	1	04/24/2019 18:16	WG1271083
Benzene	U		0.0896	0.500	1	04/24/2019 18:16	WG1271083
Bromobenzene	U		0.133	0.500	1	04/24/2019 18:16	WG1271083
Bromodichloromethane	U		0.0800	0.500	1	04/24/2019 18:16	WG1271083
Bromochloromethane	U		0.145	0.500	1	04/24/2019 18:16	WG1271083
Bromoform	U		0.186	0.500	1	04/24/2019 18:16	WG1271083
Bromomethane	U	JO	0.157	2.50	1	04/24/2019 18:16	WG1271083
n-Butylbenzene	U		0.143	0.500	1	04/24/2019 18:16	WG1271083
sec-Butylbenzene	U		0.134	0.500	1	04/24/2019 18:16	WG1271083
tert-Butylbenzene	U		0.183	0.500	1	04/24/2019 18:16	WG1271083
Carbon disulfide	U		0.101	0.500	1	04/24/2019 18:16	WG1271083
Carbon tetrachloride	U		0.159	0.500	1	04/24/2019 18:16	WG1271083

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/24/2019 18:16	WG1271083
Chlorodibromomethane	U		0.128	0.500	1	04/24/2019 18:16	WG1271083
Chloroethane	U	J0	0.141	2.50	1	04/24/2019 18:16	WG1271083
Chloroform	U		0.0860	0.500	1	04/24/2019 18:16	WG1271083
Chloromethane	U		0.153	1.25	1	04/24/2019 18:16	WG1271083
2-Chlorotoluene	U		0.111	0.500	1	04/24/2019 18:16	WG1271083
4-Chlorotoluene	U		0.0972	0.500	1	04/24/2019 18:16	WG1271083
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/24/2019 18:16	WG1271083
1,2-Dibromoethane	U		0.193	0.500	1	04/24/2019 18:16	WG1271083
Dibromomethane	U		0.117	0.500	1	04/24/2019 18:16	WG1271083
1,2-Dichlorobenzene	U		0.101	0.500	1	04/24/2019 18:16	WG1271083
1,3-Dichlorobenzene	U		0.130	0.500	1	04/24/2019 18:16	WG1271083
1,4-Dichlorobenzene	U		0.121	0.500	1	04/24/2019 18:16	WG1271083
Dichlorodifluoromethane	U		0.127	2.50	1	04/24/2019 18:16	WG1271083
1,1-Dichloroethane	U		0.114	0.500	1	04/24/2019 18:16	WG1271083
1,2-Dichloroethane	U		0.108	0.500	1	04/24/2019 18:16	WG1271083
1,1-Dichloroethene	5.86		0.188	0.500	1	04/24/2019 18:16	WG1271083
cis-1,2-Dichloroethene	162		0.0933	0.500	1	04/24/2019 18:16	WG1271083
trans-1,2-Dichloroethene	2.49		0.152	0.500	1	04/24/2019 18:16	WG1271083
1,2-Dichloropropane	U		0.190	0.500	1	04/24/2019 18:16	WG1271083
1,1-Dichloropropene	U		0.128	0.500	1	04/24/2019 18:16	WG1271083
1,3-Dichloropropane	U		0.147	1.00	1	04/24/2019 18:16	WG1271083
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/24/2019 18:16	WG1271083
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/24/2019 18:16	WG1271083
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/24/2019 18:16	WG1271083
2,2-Dichloropropane	U		0.0929	0.500	1	04/24/2019 18:16	WG1271083
Di-isopropyl ether	U		0.0924	0.500	1	04/24/2019 18:16	WG1271083
Ethylbenzene	U		0.158	0.500	1	04/24/2019 18:16	WG1271083
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/24/2019 18:16	WG1271083
2-Hexanone	U		0.757	5.00	1	04/24/2019 18:16	WG1271083
n-Hexane	U		0.305	5.00	1	04/24/2019 18:16	WG1271083
Iodomethane	U		0.377	10.0	1	04/24/2019 18:16	WG1271083
Isopropylbenzene	U		0.126	0.500	1	04/24/2019 18:16	WG1271083
p-Isopropyltoluene	U		0.138	0.500	1	04/24/2019 18:16	WG1271083
2-Butanone (MEK)	4.72	J	1.28	5.00	1	04/24/2019 18:16	WG1271083
Methylene Chloride	U		1.07	2.50	1	04/24/2019 18:16	WG1271083
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/24/2019 18:16	WG1271083
Methyl tert-butyl ether	U		0.102	0.500	1	04/24/2019 18:16	WG1271083
Naphthalene	U		0.174	2.50	1	04/24/2019 18:16	WG1271083
n-Propylbenzene	U		0.162	0.500	1	04/24/2019 18:16	WG1271083
Styrene	U		0.117	0.500	1	04/24/2019 18:16	WG1271083
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/24/2019 18:16	WG1271083
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/24/2019 18:16	WG1271083
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/24/2019 18:16	WG1271083
Tetrachloroethene	15.9		0.199	0.500	1	04/24/2019 18:16	WG1271083
Toluene	U		0.412	0.500	1	04/24/2019 18:16	WG1271083
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/24/2019 18:16	WG1271083
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/24/2019 18:16	WG1271083
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/24/2019 18:16	WG1271083
1,1,2-Trichloroethane	U		0.186	0.500	1	04/24/2019 18:16	WG1271083
Trichloroethene	56.9		0.153	0.500	1	04/24/2019 18:16	WG1271083
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/24/2019 18:16	WG1271083
1,2,3-Trichloropropane	U		0.247	2.50	1	04/24/2019 18:16	WG1271083
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/24/2019 18:16	WG1271083
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/24/2019 18:16	WG1271083
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/24/2019 18:16	WG1271083

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U	J0	0.645	5.00	1	04/24/2019 18:16	WG1271083
Vinyl chloride	21.1	J0	0.118	0.500	1	04/24/2019 18:16	WG1271083
Xylenes, Total	U		0.316	1.50	1	04/24/2019 18:16	WG1271083
(S) Toluene-d8	*100*			*80.0-120*		*04/24/2019 18:16*	WG1271083
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*04/24/2019 18:16*	WG1271083
(S) 1,2-Dichloroethane-d4	*92.0*			*70.0-130*		*04/24/2019 18:16*	WG1271083

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	275000		2710	20000	1	04/29/2019 17:43	WG1273424

Sample Narrative:

L1091936-04 WG1273424: Endpoint pH 4.5 headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	37900		51.9	1000	1	04/24/2019 19:35	WG1271082
Nitrate	U		22.7	100	1	04/24/2019 19:35	WG1271082
Sulfate	5810		77.4	5000	1	04/24/2019 19:35	WG1271082

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	4060		102	1000	1	04/24/2019 23:17	WG1271094

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	5270		75.0	500	5	05/07/2019 00:37	WG1271169
Manganese	893		1.25	25.0	5	05/07/2019 00:37	WG1271169

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/25/2019 14:56	WG1271515
(S) a,a,a-Trifluorotoluene(FID)	*111*			*78.0-120*		*04/25/2019 14:56*	WG1271515

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1660		0.287	0.678	1	04/26/2019 13:45	WG1271298
Ethane	U		0.296	1.29	1	04/26/2019 13:45	WG1271298
Ethene	U		0.422	1.27	1	04/26/2019 13:45	WG1271298

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.22	J J0	1.05	25.0	1	04/24/2019 18:36	WG1271083
Acrylonitrile	U		0.873	5.00	1	04/24/2019 18:36	WG1271083
Benzene	U		0.0896	0.500	1	04/24/2019 18:36	WG1271083
Bromobenzene	U		0.133	0.500	1	04/24/2019 18:36	WG1271083
Bromodichloromethane	U		0.0800	0.500	1	04/24/2019 18:36	WG1271083
Bromochloromethane	U		0.145	0.500	1	04/24/2019 18:36	WG1271083
Bromoform	U		0.186	0.500	1	04/24/2019 18:36	WG1271083
Bromomethane	U	J0	0.157	2.50	1	04/24/2019 18:36	WG1271083
n-Butylbenzene	U		0.143	0.500	1	04/24/2019 18:36	WG1271083
sec-Butylbenzene	U		0.134	0.500	1	04/24/2019 18:36	WG1271083
tert-Butylbenzene	U		0.183	0.500	1	04/24/2019 18:36	WG1271083
Carbon disulfide	U		0.101	0.500	1	04/24/2019 18:36	WG1271083
Carbon tetrachloride	U		0.159	0.500	1	04/24/2019 18:36	WG1271083

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/24/2019 18:36	WG1271083
Chlorodibromomethane	U		0.128	0.500	1	04/24/2019 18:36	WG1271083
Chloroethane	U	J0	0.141	2.50	1	04/24/2019 18:36	WG1271083
Chloroform	U		0.0860	0.500	1	04/24/2019 18:36	WG1271083
Chloromethane	U		0.153	1.25	1	04/24/2019 18:36	WG1271083
2-Chlorotoluene	U		0.111	0.500	1	04/24/2019 18:36	WG1271083
4-Chlorotoluene	U		0.0972	0.500	1	04/24/2019 18:36	WG1271083
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/24/2019 18:36	WG1271083
1,2-Dibromoethane	U		0.193	0.500	1	04/24/2019 18:36	WG1271083
Dibromomethane	U		0.117	0.500	1	04/24/2019 18:36	WG1271083
1,2-Dichlorobenzene	U		0.101	0.500	1	04/24/2019 18:36	WG1271083
1,3-Dichlorobenzene	U		0.130	0.500	1	04/24/2019 18:36	WG1271083
1,4-Dichlorobenzene	U		0.121	0.500	1	04/24/2019 18:36	WG1271083
Dichlorodifluoromethane	U		0.127	2.50	1	04/24/2019 18:36	WG1271083
1,1-Dichloroethane	U		0.114	0.500	1	04/24/2019 18:36	WG1271083
1,2-Dichloroethane	U		0.108	0.500	1	04/24/2019 18:36	WG1271083
1,1-Dichloroethene	U		0.188	0.500	1	04/24/2019 18:36	WG1271083
cis-1,2-Dichloroethene	0.917		0.0933	0.500	1	04/24/2019 18:36	WG1271083
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/24/2019 18:36	WG1271083
1,2-Dichloropropane	U		0.190	0.500	1	04/24/2019 18:36	WG1271083
1,1-Dichloropropene	U		0.128	0.500	1	04/24/2019 18:36	WG1271083
1,3-Dichloropropane	U		0.147	1.00	1	04/24/2019 18:36	WG1271083
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/24/2019 18:36	WG1271083
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/24/2019 18:36	WG1271083
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/24/2019 18:36	WG1271083
2,2-Dichloropropane	U		0.0929	0.500	1	04/24/2019 18:36	WG1271083
Di-isopropyl ether	U		0.0924	0.500	1	04/24/2019 18:36	WG1271083
Ethylbenzene	U		0.158	0.500	1	04/24/2019 18:36	WG1271083
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/24/2019 18:36	WG1271083
2-Hexanone	U		0.757	5.00	1	04/24/2019 18:36	WG1271083
n-Hexane	U		0.305	5.00	1	04/24/2019 18:36	WG1271083
Iodomethane	U		0.377	10.0	1	04/24/2019 18:36	WG1271083
Isopropylbenzene	U		0.126	0.500	1	04/24/2019 18:36	WG1271083
p-Isopropyltoluene	U		0.138	0.500	1	04/24/2019 18:36	WG1271083
2-Butanone (MEK)	U		1.28	5.00	1	04/24/2019 18:36	WG1271083
Methylene Chloride	U		1.07	2.50	1	04/24/2019 18:36	WG1271083
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/24/2019 18:36	WG1271083
Methyl tert-butyl ether	U		0.102	0.500	1	04/24/2019 18:36	WG1271083
Naphthalene	U		0.174	2.50	1	04/24/2019 18:36	WG1271083
n-Propylbenzene	U		0.162	0.500	1	04/24/2019 18:36	WG1271083
Styrene	U		0.117	0.500	1	04/24/2019 18:36	WG1271083
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/24/2019 18:36	WG1271083
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/24/2019 18:36	WG1271083
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/24/2019 18:36	WG1271083
Tetrachloroethene	U		0.199	0.500	1	04/24/2019 18:36	WG1271083
Toluene	U		0.412	0.500	1	04/24/2019 18:36	WG1271083
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/24/2019 18:36	WG1271083
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/24/2019 18:36	WG1271083
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/24/2019 18:36	WG1271083
1,1,2-Trichloroethane	U		0.186	0.500	1	04/24/2019 18:36	WG1271083
Trichloroethene	U		0.153	0.500	1	04/24/2019 18:36	WG1271083
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/24/2019 18:36	WG1271083
1,2,3-Trichloropropane	U		0.247	2.50	1	04/24/2019 18:36	WG1271083
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/24/2019 18:36	WG1271083
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/24/2019 18:36	WG1271083
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/24/2019 18:36	WG1271083

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U	J0	0.645	5.00	1	04/24/2019 18:36	WG1271083
Vinyl chloride	0.238	J J0	0.118	0.500	1	04/24/2019 18:36	WG1271083
Xylenes, Total	U		0.316	1.50	1	04/24/2019 18:36	WG1271083
(S) Toluene-d8	*101*			*80.0-120*		*04/24/2019 18:36*	WG1271083
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*04/24/2019 18:36*	WG1271083
(S) 1,2-Dichloroethane-d4	*93.1*			*70.0-130*		*04/24/2019 18:36*	WG1271083

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	346000		2710	20000	1	04/29/2019 17:50	WG1273424

Sample Narrative:

L1091936-05 WG1273424: Endpoint pH 4.5 headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	26900		51.9	1000	1	04/24/2019 19:49	WG1271082
Nitrate	U		22.7	100	1	04/24/2019 19:49	WG1271082
Sulfate	28100		77.4	5000	1	04/24/2019 19:49	WG1271082

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	13700		102	1000	1	04/24/2019 23:34	WG1271094

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	4390		75.0	500	5	05/07/2019 00:43	WG1271169
Manganese	787		1.25	25.0	5	05/07/2019 00:43	WG1271169

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	139		31.6	100	1	04/25/2019 15:20	WG1271515
(S) a,a,a-Trifluorotoluene(FID)	*111*			*78.0-120*		*04/25/2019 15:20*	WG1271515

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	8110		2.87	6.78	10	04/26/2019 14:59	WG1271298
Ethane	U		0.296	1.29	1	04/26/2019 13:49	WG1271298
Ethene	158		0.422	1.27	1	04/26/2019 13:49	WG1271298

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 JO	1.05	25.0	1	04/24/2019 18:56	WG1271083
Acrylonitrile	U		0.873	5.00	1	04/24/2019 18:56	WG1271083
Benzene	U		0.0896	0.500	1	04/24/2019 18:56	WG1271083
Bromobenzene	U		0.133	0.500	1	04/24/2019 18:56	WG1271083
Bromodichloromethane	U		0.0800	0.500	1	04/24/2019 18:56	WG1271083
Bromochloromethane	U		0.145	0.500	1	04/24/2019 18:56	WG1271083
Bromoform	U		0.186	0.500	1	04/24/2019 18:56	WG1271083
Bromomethane	U	JO	0.157	2.50	1	04/24/2019 18:56	WG1271083
n-Butylbenzene	U		0.143	0.500	1	04/24/2019 18:56	WG1271083
sec-Butylbenzene	U		0.134	0.500	1	04/24/2019 18:56	WG1271083
tert-Butylbenzene	U		0.183	0.500	1	04/24/2019 18:56	WG1271083
Carbon disulfide	U		0.101	0.500	1	04/24/2019 18:56	WG1271083
Carbon tetrachloride	U		0.159	0.500	1	04/24/2019 18:56	WG1271083

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/24/2019 18:56	WG1271083
Chlorodibromomethane	U		0.128	0.500	1	04/24/2019 18:56	WG1271083
Chloroethane	U	J0	0.141	2.50	1	04/24/2019 18:56	WG1271083
Chloroform	U		0.0860	0.500	1	04/24/2019 18:56	WG1271083
Chloromethane	U		0.153	1.25	1	04/24/2019 18:56	WG1271083
2-Chlorotoluene	U		0.111	0.500	1	04/24/2019 18:56	WG1271083
4-Chlorotoluene	U		0.0972	0.500	1	04/24/2019 18:56	WG1271083
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/24/2019 18:56	WG1271083
1,2-Dibromoethane	U		0.193	0.500	1	04/24/2019 18:56	WG1271083
Dibromomethane	U		0.117	0.500	1	04/24/2019 18:56	WG1271083
1,2-Dichlorobenzene	U		0.101	0.500	1	04/24/2019 18:56	WG1271083
1,3-Dichlorobenzene	U		0.130	0.500	1	04/24/2019 18:56	WG1271083
1,4-Dichlorobenzene	U		0.121	0.500	1	04/24/2019 18:56	WG1271083
Dichlorodifluoromethane	U		0.127	2.50	1	04/24/2019 18:56	WG1271083
1,1-Dichloroethane	U		0.114	0.500	1	04/24/2019 18:56	WG1271083
1,2-Dichloroethane	U		0.108	0.500	1	04/24/2019 18:56	WG1271083
1,1-Dichloroethene	1.75		0.188	0.500	1	04/24/2019 18:56	WG1271083
cis-1,2-Dichloroethene	322		0.933	5.00	10	04/26/2019 12:43	WG1272362
trans-1,2-Dichloroethene	1.47		0.152	0.500	1	04/24/2019 18:56	WG1271083
1,2-Dichloropropane	U		0.190	0.500	1	04/24/2019 18:56	WG1271083
1,1-Dichloropropene	U		0.128	0.500	1	04/24/2019 18:56	WG1271083
1,3-Dichloropropane	U		0.147	1.00	1	04/24/2019 18:56	WG1271083
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/24/2019 18:56	WG1271083
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/24/2019 18:56	WG1271083
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/24/2019 18:56	WG1271083
2,2-Dichloropropane	U		0.0929	0.500	1	04/24/2019 18:56	WG1271083
Di-isopropyl ether	U		0.0924	0.500	1	04/24/2019 18:56	WG1271083
Ethylbenzene	U		0.158	0.500	1	04/24/2019 18:56	WG1271083
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/24/2019 18:56	WG1271083
2-Hexanone	U		0.757	5.00	1	04/24/2019 18:56	WG1271083
n-Hexane	U		0.305	5.00	1	04/24/2019 18:56	WG1271083
Iodomethane	U		0.377	10.0	1	04/24/2019 18:56	WG1271083
Isopropylbenzene	U		0.126	0.500	1	04/24/2019 18:56	WG1271083
p-Isopropyltoluene	U		0.138	0.500	1	04/24/2019 18:56	WG1271083
2-Butanone (MEK)	U		1.28	5.00	1	04/24/2019 18:56	WG1271083
Methylene Chloride	U		1.07	2.50	1	04/24/2019 18:56	WG1271083
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/24/2019 18:56	WG1271083
Methyl tert-butyl ether	U		0.102	0.500	1	04/24/2019 18:56	WG1271083
Naphthalene	U		0.174	2.50	1	04/24/2019 18:56	WG1271083
n-Propylbenzene	U		0.162	0.500	1	04/24/2019 18:56	WG1271083
Styrene	U		0.117	0.500	1	04/24/2019 18:56	WG1271083
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/24/2019 18:56	WG1271083
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/24/2019 18:56	WG1271083
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/24/2019 18:56	WG1271083
Tetrachloroethene	U		0.199	0.500	1	04/24/2019 18:56	WG1271083
Toluene	U		0.412	0.500	1	04/24/2019 18:56	WG1271083
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/24/2019 18:56	WG1271083
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/24/2019 18:56	WG1271083
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/24/2019 18:56	WG1271083
1,1,2-Trichloroethane	U		0.186	0.500	1	04/24/2019 18:56	WG1271083
Trichloroethene	5.13		0.153	0.500	1	04/24/2019 18:56	WG1271083
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/24/2019 18:56	WG1271083
1,2,3-Trichloropropane	U		0.247	2.50	1	04/24/2019 18:56	WG1271083
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/24/2019 18:56	WG1271083
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/24/2019 18:56	WG1271083
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/24/2019 18:56	WG1271083

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U	J0	0.645	5.00	1	04/24/2019 18:56	WG1271083
Vinyl chloride	499		1.18	5.00	10	04/26/2019 12:43	WG1272362
Xylenes, Total	U	J0	0.316	1.50	1	04/24/2019 18:56	WG1271083
(S) Toluene-d8	*100*			*80.0-120*		*04/24/2019 18:56*	WG1271083
(S) Toluene-d8	*98.8*			*80.0-120*		*04/26/2019 12:43*	WG1272362
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*04/24/2019 18:56*	WG1271083
(S) 4-Bromofluorobenzene	*99.9*			*77.0-126*		*04/26/2019 12:43*	WG1272362
(S) 1,2-Dichloroethane-d4	*94.2*			*70.0-130*		*04/24/2019 18:56*	WG1271083
(S) 1,2-Dichloroethane-d4	*89.2*			*70.0-130*		*04/26/2019 12:43*	WG1272362

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/25/2019 12:32	WG1271515
(S) a,a,a-Trifluorotoluene(FID)	*112*			*78.0-120*		*04/25/2019 12:32*	WG1271515

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	04/24/2019 16:36	WG1271083
Acrylonitrile	U		0.873	5.00	1	04/24/2019 16:36	WG1271083
Benzene	U		0.0896	0.500	1	04/24/2019 16:36	WG1271083
Bromobenzene	U		0.133	0.500	1	04/24/2019 16:36	WG1271083
Bromodichloromethane	U		0.0800	0.500	1	04/24/2019 16:36	WG1271083
Bromochloromethane	U		0.145	0.500	1	04/24/2019 16:36	WG1271083
Bromoform	U		0.186	0.500	1	04/24/2019 16:36	WG1271083
Bromomethane	U	J0	0.157	2.50	1	04/24/2019 16:36	WG1271083
n-Butylbenzene	U		0.143	0.500	1	04/24/2019 16:36	WG1271083
sec-Butylbenzene	U		0.134	0.500	1	04/24/2019 16:36	WG1271083
tert-Butylbenzene	U		0.183	0.500	1	04/24/2019 16:36	WG1271083
Carbon disulfide	U		0.101	0.500	1	04/24/2019 16:36	WG1271083
Carbon tetrachloride	U		0.159	0.500	1	04/24/2019 16:36	WG1271083
Chlorobenzene	U		0.140	0.500	1	04/24/2019 16:36	WG1271083
Chlorodibromomethane	U		0.128	0.500	1	04/24/2019 16:36	WG1271083
Chloroethane	U	J0	0.141	2.50	1	04/24/2019 16:36	WG1271083
Chloroform	U		0.0860	0.500	1	04/24/2019 16:36	WG1271083
Chloromethane	U		0.153	1.25	1	04/24/2019 16:36	WG1271083
2-Chlorotoluene	U		0.111	0.500	1	04/24/2019 16:36	WG1271083
4-Chlorotoluene	U		0.0972	0.500	1	04/24/2019 16:36	WG1271083
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/24/2019 16:36	WG1271083
1,2-Dibromoethane	U		0.193	0.500	1	04/24/2019 16:36	WG1271083
Dibromomethane	U		0.117	0.500	1	04/24/2019 16:36	WG1271083
1,2-Dichlorobenzene	U		0.101	0.500	1	04/24/2019 16:36	WG1271083
1,3-Dichlorobenzene	U		0.130	0.500	1	04/24/2019 16:36	WG1271083
1,4-Dichlorobenzene	U		0.121	0.500	1	04/24/2019 16:36	WG1271083
Dichlorodifluoromethane	U		0.127	2.50	1	04/24/2019 16:36	WG1271083
1,1-Dichloroethane	U		0.114	0.500	1	04/24/2019 16:36	WG1271083
1,2-Dichloroethane	U		0.108	0.500	1	04/24/2019 16:36	WG1271083
1,1-Dichloroethene	U		0.188	0.500	1	04/24/2019 16:36	WG1271083
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/24/2019 16:36	WG1271083
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/24/2019 16:36	WG1271083
1,2-Dichloropropane	U		0.190	0.500	1	04/24/2019 16:36	WG1271083
1,1-Dichloropropene	U		0.128	0.500	1	04/24/2019 16:36	WG1271083
1,3-Dichloropropane	U		0.147	1.00	1	04/24/2019 16:36	WG1271083
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/24/2019 16:36	WG1271083
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/24/2019 16:36	WG1271083
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/24/2019 16:36	WG1271083
2,2-Dichloropropane	U		0.0929	0.500	1	04/24/2019 16:36	WG1271083
Di-isopropyl ether	U		0.0924	0.500	1	04/24/2019 16:36	WG1271083
Ethylbenzene	U		0.158	0.500	1	04/24/2019 16:36	WG1271083
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/24/2019 16:36	WG1271083
2-Hexanone	U		0.757	5.00	1	04/24/2019 16:36	WG1271083
n-Hexane	U		0.305	5.00	1	04/24/2019 16:36	WG1271083
Iodomethane	U		0.377	10.0	1	04/24/2019 16:36	WG1271083
Isopropylbenzene	U		0.126	0.500	1	04/24/2019 16:36	WG1271083
p-Isopropyltoluene	U		0.138	0.500	1	04/24/2019 16:36	WG1271083
2-Butanone (MEK)	U		1.28	5.00	1	04/24/2019 16:36	WG1271083

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/24/2019 16:36	WG1271083
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/24/2019 16:36	WG1271083
Methyl tert-butyl ether	U		0.102	0.500	1	04/24/2019 16:36	WG1271083
Naphthalene	U		0.174	2.50	1	04/24/2019 16:36	WG1271083
n-Propylbenzene	U		0.162	0.500	1	04/24/2019 16:36	WG1271083
Styrene	U		0.117	0.500	1	04/24/2019 16:36	WG1271083
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/24/2019 16:36	WG1271083
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/24/2019 16:36	WG1271083
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/24/2019 16:36	WG1271083
Tetrachloroethene	U		0.199	0.500	1	04/24/2019 16:36	WG1271083
Toluene	U		0.412	0.500	1	04/24/2019 16:36	WG1271083
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/24/2019 16:36	WG1271083
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/24/2019 16:36	WG1271083
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/24/2019 16:36	WG1271083
1,1,2-Trichloroethane	U		0.186	0.500	1	04/24/2019 16:36	WG1271083
Trichloroethene	U		0.153	0.500	1	04/24/2019 16:36	WG1271083
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/24/2019 16:36	WG1271083
1,2,3-Trichloropropane	U		0.247	2.50	1	04/24/2019 16:36	WG1271083
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/24/2019 16:36	WG1271083
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/24/2019 16:36	WG1271083
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/24/2019 16:36	WG1271083
Vinyl acetate	U	J0	0.645	5.00	1	04/24/2019 16:36	WG1271083
Vinyl chloride	U	J0	0.118	0.500	1	04/24/2019 16:36	WG1271083
Xylenes, Total	U		0.316	1.50	1	04/24/2019 16:36	WG1271083
(S) Toluene-d8	*100*			*80.0-120*		*04/24/2019 16:36*	WG1271083
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*04/24/2019 16:36*	WG1271083
(S) 1,2-Dichloroethane-d4	*92.9*			*70.0-130*		*04/24/2019 16:36*	WG1271083

Method Blank (MB)

(MB) R3406609-1 04/29/19 15:19

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Alkalinity	3140	J	2710	20000

Sample Narrative:

BLANK: Endpoint pH 4.5

L1091051-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1091051-02 04/29/19 15:25 • (DUP) R3406609-3 04/29/19 15:33

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	171000	172000	1	0.927		20

Sample Narrative:

OS: Endpoint pH 4.5 headspace

DUP: Endpoint pH 4.5

L1091709-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1091709-05 04/29/19 18:19 • (DUP) R3406609-6 04/29/19 18:26

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	1070000	1070000	1	0.269		20

Sample Narrative:

OS: Endpoint pH 4.5 headspace

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3406609-5 04/29/19 16:32

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Alkalinity	100000	102000	102	85.0-115	

Sample Narrative:

LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R3405147-1 04/24/19 16:57

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Chloride	U		51.9	1000
Nitrate	26.3	J	22.7	100
Sulfate	U		77.4	5000

L1091917-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1091917-03 04/24/19 18:23 • (DUP) R3405147-3 04/24/19 18:37

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	8410	8430	1	0.285		15
Nitrate	893	900	1	0.714		15
Sulfate	7530	7540	1	0.0770		15

L1091941-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1091941-04 04/24/19 21:44 • (DUP) R3405147-6 04/24/19 21:59

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	U	0.000	1	0.000		15
Nitrate	U	0.000	1	0.000		15
Sulfate	U	0.000	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R3405147-2 04/24/19 17:12

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40000	40200	101	80.0-120	
Nitrate	8000	8290	104	80.0-120	
Sulfate	40000	41100	103	80.0-120	

L1091917-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1091917-03 04/24/19 18:23 • (MS) R3405147-4 04/24/19 18:51 • (MSD) R3405147-5 04/24/19 19:06

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50000	8410	58800	58300	101	99.7	1	80.0-120			0.943	15
Nitrate	5000	893	5880	5830	99.6	98.7	1	80.0-120			0.777	15
Sulfate	50000	7530	57300	56700	99.5	98.4	1	80.0-120			0.931	15

L1091941-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1091941-04 04/24/19 21:44 • (MS) R3405147-7 04/24/19 22:13

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	U	50700	101	1	80.0-120	
Nitrate	5000	U	5050	101	1	80.0-120	
Sulfate	50000	U	50400	101	1	80.0-120	

Method Blank (MB)

(MB) R3405168-1 04/24/19 13:38

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	229	J	102	1000

L1091876-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1091876-03 04/24/19 18:04 • (DUP) R3405168-5 04/24/19 18:24

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	9410	7860	1	18.1		20

L1091936-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1091936-03 04/24/19 22:37 • (DUP) R3405168-8 04/24/19 22:56

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	5970	5780	1	3.10		20

Laboratory Control Sample (LCS)

(LCS) R3405168-2 04/24/19 14:14

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75000	76900	102	85.0-115	

L1091790-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1091790-03 04/24/19 15:28 • (MS) R3405168-3 04/24/19 15:44 • (MSD) R3405168-4 04/24/19 16:00

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50000	1580	49600	49500	96.0	95.8	1	80.0-120			0.202	20

L1091908-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1091908-04 04/24/19 19:56 • (MS) R3405168-6 04/24/19 20:12 • (MSD) R3405168-7 04/24/19 20:27

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50000	1230	52000	52500	101	102	1	80.0-120			0.919	20

Method Blank (MB)

(MB) R3408542-1 05/06/19 10:56

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Iron	U		15.0	100
Manganese	U		0.250	5.00

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

(LCS) R3408542-2 05/06/19 11:00 • (LCSD) R3408542-3 05/06/19 11:05

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Iron	500	492	486	98.4	97.2	80.0-120			1.22	20
Manganese	50.0	48.2	49.8	96.4	99.5	80.0-120			3.23	20

L1091790-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1091790-01 05/06/19 11:09 • (MS) R3408542-5 05/06/19 11:18 • (MSD) R3408542-6 05/06/19 11:23

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Iron	500	ND	544	548	96.5	97.4	1	75.0-125			0.780	20
Manganese	50.0	5.40	55.3	54.8	99.9	98.7	1	75.0-125			1.07	20

Method Blank (MB)

(MB) R3405596-2 04/25/19 09:45

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	U		31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*111*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3405596-1 04/25/19 08:57

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	5310	96.5	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*103*	*78.0-120*	

Method Blank (MB)

(MB) R3405886-1 04/26/19 13:31

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

L1091915-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1091915-02 04/26/19 13:40 • (DUP) R3405886-2 04/26/19 14:13

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	248	245	1	1.48		20
Ethane	U	0.000	1	0.000		20
Ethene	U	0.000	1	0.000		20

L1091952-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1091952-01 04/26/19 14:46 • (DUP) R3405886-3 04/26/19 15:02

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

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

(LCS) R3405886-4 04/26/19 15:04 • (LCSD) R3405886-5 04/26/19 15:10

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methane	67.8	75.7	76.9	112	113	85.0-115			1.59	20
Ethane	129	121	119	93.4	92.5	85.0-115			0.991	20
Ethene	127	120	121	94.1	95.5	85.0-115			1.51	20

Method Blank (MB)

(MB) R3405761-3 04/24/19 10:19

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
Carbon disulfide	U		0.101	0.500
sec-Butylbenzene	U		0.134	0.500
Carbon tetrachloride	U		0.159	0.500
tert-Butylbenzene	U		0.183	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) R3405761-3 04/24/19 10:19

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	0.275	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
Ethylbenzene	U		0.158	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
Isopropylbenzene	U		0.126	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
p-Isopropyltoluene	U		0.138	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
n-Propylbenzene	U		0.162	0.500
1,2,3-Trimethylbenzene	U		0.0739	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
1,2,4-Trimethylbenzene	U		0.123	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
(S) Toluene-d8	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*107*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*91.2*			*70.0-130*

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

(LCS) R3405761-1 04/24/19 09:19 • (LCSD) R3405761-2 04/24/19 09:39

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	148	124	119	19.0-160			4.69	27
Acrylonitrile	125	150	158	120	126	55.0-149			4.93	20
Bromobenzene	25.0	23.2	23.5	92.9	94.2	73.0-121			1.38	20
Bromodichloromethane	25.0	22.3	22.2	89.3	89.0	75.0-120			0.350	20
Bromochloromethane	25.0	23.7	23.6	94.9	94.5	76.0-122			0.414	20
Bromoform	25.0	27.4	26.8	110	107	68.0-132			2.18	20
Bromomethane	25.0	17.9	17.6	71.5	70.3	10.0-160			1.67	25
Carbon disulfide	25.0	27.9	28.1	111	113	61.0-128			1.03	20
Carbon tetrachloride	25.0	23.3	23.4	93.1	93.6	68.0-126			0.508	20
Chlorobenzene	25.0	23.9	23.7	95.8	94.7	80.0-121			1.19	20
Chlorodibromomethane	25.0	24.3	23.9	97.1	95.6	77.0-125			1.64	20
Chloroethane	25.0	16.6	16.5	66.5	66.1	47.0-150			0.641	20
Chloroform	25.0	21.9	21.9	87.7	87.7	73.0-120			0.0865	20
Chloromethane	25.0	25.8	26.7	103	107	41.0-142			3.31	20
2-Chlorotoluene	25.0	22.1	23.1	88.3	92.4	76.0-123			4.55	20
4-Chlorotoluene	25.0	22.5	23.3	90.2	93.0	75.0-122			3.15	20
1,2-Dibromo-3-Chloropropane	25.0	26.5	28.6	106	114	58.0-134			7.78	20
1,2-Dibromoethane	25.0	23.7	23.5	94.9	94.0	80.0-122			1.05	20
Dibromomethane	25.0	22.8	22.7	91.2	90.7	80.0-120			0.460	20
1,2-Dichlorobenzene	25.0	23.0	23.4	91.9	93.7	79.0-121			1.90	20
1,3-Dichlorobenzene	25.0	22.6	23.1	90.4	92.5	79.0-120			2.30	20
1,4-Dichlorobenzene	25.0	22.0	22.0	88.0	87.9	79.0-120			0.0272	20
Dichlorodifluoromethane	25.0	25.9	25.8	104	103	51.0-149			0.138	20
1,1-Dichloroethane	25.0	24.4	24.7	97.4	98.8	70.0-126			1.36	20
1,2-Dichloroethane	25.0	20.9	21.0	83.4	83.9	70.0-128			0.549	20
1,1-Dichloroethene	25.0	24.6	24.4	98.3	97.6	71.0-124			0.735	20
cis-1,2-Dichloroethene	25.0	24.0	23.7	95.9	94.7	73.0-120			1.21	20
Benzene	25.0	25.9	25.8	104	103	70.0-123			0.330	20
trans-1,2-Dichloroethene	25.0	24.2	24.7	96.8	98.9	73.0-120			2.14	20
1,2-Dichloropropane	25.0	26.3	26.3	105	105	77.0-125			0.163	20
1,1-Dichloropropene	25.0	24.3	24.2	97.0	96.7	74.0-126			0.352	20
1,3-Dichloropropane	25.0	25.1	25.0	101	99.9	80.0-120			0.653	20
cis-1,3-Dichloropropene	25.0	23.5	23.1	93.8	92.5	80.0-123			1.45	20
trans-1,3-Dichloropropene	25.0	22.6	22.5	90.5	89.9	78.0-124			0.668	20
trans-1,4-Dichloro-2-butene	25.0	20.8	21.7	83.3	86.9	33.0-144			4.23	20
2,2-Dichloropropane	25.0	25.9	25.9	104	104	58.0-130			0.0126	20
n-Butylbenzene	25.0	21.5	21.8	85.9	87.4	73.0-125			1.72	20
Di-isopropyl ether	25.0	27.9	28.3	111	113	58.0-138			1.53	20
sec-Butylbenzene	25.0	22.4	23.0	89.5	91.9	75.0-125			2.67	20
tert-Butylbenzene	25.0	23.1	24.1	92.3	96.5	76.0-124			4.41	20

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

(LCS) R3405761-1 04/24/19 09:19 • (LCSD) R3405761-2 04/24/19 09:39

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	27.6	29.3	110	117	54.0-138			6.19	20
2-Hexanone	125	146	148	117	119	67.0-149			1.62	20
n-Hexane	25.0	26.0	24.9	104	99.4	57.0-133			4.59	20
Iodomethane	125	133	133	106	106	33.0-147			0.179	26
2-Butanone (MEK)	125	155	160	124	128	44.0-160			3.27	20
Methylene Chloride	25.0	24.5	25.0	98.1	100	67.0-120			2.09	20
4-Methyl-2-pentanone (MIBK)	125	143	145	115	116	68.0-142			1.19	20
Styrene	25.0	27.4	26.7	110	107	73.0-130			2.64	20
1,1,1,2-Tetrachloroethane	25.0	24.1	24.1	96.3	96.5	75.0-125			0.203	20
1,1,2,2-Tetrachloroethane	25.0	20.9	21.7	83.7	87.0	65.0-130			3.84	20
1,1,2-Trichlorotrifluoroethane	25.0	22.8	22.6	91.1	90.6	69.0-132			0.600	20
Tetrachloroethene	25.0	25.2	24.6	101	98.6	72.0-132			2.13	20
1,2,3-Trichlorobenzene	25.0	23.4	25.1	93.7	100	50.0-138			6.79	20
1,2,4-Trichlorobenzene	25.0	23.9	25.3	95.5	101	57.0-137			6.02	20
1,1,1-Trichloroethane	25.0	23.6	23.6	94.3	94.3	73.0-124			0.0116	20
1,1,2-Trichloroethane	25.0	23.1	22.9	92.6	91.4	80.0-120			1.26	20
Trichloroethene	25.0	26.1	25.9	104	104	78.0-124			0.572	20
Trichlorofluoromethane	25.0	16.0	15.8	64.0	63.3	59.0-147			1.09	20
1,2,3-Trichloropropane	25.0	20.6	21.9	82.6	87.4	73.0-130			5.66	20
1,2,3-Trimethylbenzene	25.0	21.6	22.1	86.6	88.6	77.0-120			2.31	20
Vinyl acetate	125	72.4	73.4	57.9	58.7	11.0-160			1.37	20
Vinyl chloride	25.0	18.3	18.2	73.2	72.7	67.0-131			0.636	20
Xylenes, Total	75.0	73.5	73.4	98.0	97.9	79.0-123			0.136	20
Ethylbenzene	25.0	24.2	24.2	96.8	96.9	79.0-123			0.119	20
Isopropylbenzene	25.0	25.4	25.3	102	101	76.0-127			0.180	20
p-Isopropyltoluene	25.0	22.5	23.2	90.1	92.7	76.0-125			2.85	20
Methyl tert-butyl ether	25.0	23.5	23.7	94.1	94.8	68.0-125			0.771	20
Naphthalene	25.0	23.2	24.8	92.7	99.1	54.0-135			6.76	20
n-Propylbenzene	25.0	22.1	22.4	88.4	89.7	77.0-124			1.48	20
Toluene	25.0	25.8	25.4	103	102	79.0-120			1.62	20
1,2,4-Trimethylbenzene	25.0	22.1	22.5	88.5	90.0	76.0-121			1.68	20
1,3,5-Trimethylbenzene	25.0	22.2	23.0	88.7	92.0	76.0-122			3.67	20
(S) Toluene-d8				*101*	*100*	*80.0-120*				
(S) 4-Bromofluorobenzene				*107*	*106*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*92.9*	*91.6*	*70.0-130*				

Method Blank (MB)

(MB) R3406794-3 04/25/19 10:03

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) R3406794-3 04/25/19 10:03

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	0.239	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	*101*			*80.0-120*
(S) 4-Bromofluorobenzene	*105*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*94.7*			*70.0-130*

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

(LCS) R3406794-1 04/25/19 09:03 • (LCSD) R3406794-2 04/25/19 09:23

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	125	205	144	164	115	19.0-160	J4	J3	34.8	27
Acrylonitrile	125	160	156	128	125	55.0-149			2.36	20
Benzene	25.0	26.0	26.1	104	104	70.0-123			0.383	20
Bromobenzene	25.0	23.4	23.6	93.5	94.5	73.0-121			1.10	20
Bromodichloromethane	25.0	22.3	22.3	89.3	89.2	75.0-120			0.142	20
Bromochloromethane	25.0	23.5	23.3	94.2	93.0	76.0-122			1.20	20
Bromoform	25.0	26.4	27.0	106	108	68.0-132			2.26	20
Bromomethane	25.0	17.7	17.6	70.8	70.5	10.0-160			0.433	25
n-Butylbenzene	25.0	23.2	22.8	92.7	91.2	73.0-125			1.67	20
sec-Butylbenzene	25.0	23.9	23.3	95.6	93.1	75.0-125			2.69	20
tert-Butylbenzene	25.0	24.5	24.0	98.0	96.1	76.0-124			1.94	20
Carbon disulfide	25.0	28.4	31.0	113	124	61.0-128			8.82	20
Carbon tetrachloride	25.0	23.9	23.9	95.5	95.5	68.0-126			0.0359	20
Chlorobenzene	25.0	24.0	24.2	96.1	96.6	80.0-121			0.523	20
Chlorodibromomethane	25.0	23.5	24.0	94.2	96.0	77.0-125			1.90	20
Chloroethane	25.0	15.0	17.2	60.1	69.0	47.0-150			13.7	20
Chloroform	25.0	22.0	21.9	87.8	87.8	73.0-120			0.0352	20
Chloromethane	25.0	26.3	26.2	105	105	41.0-142			0.338	20
2-Chlorotoluene	25.0	23.1	22.8	92.6	91.0	76.0-123			1.66	20
4-Chlorotoluene	25.0	23.4	23.2	93.5	93.0	75.0-122			0.522	20
1,2-Dibromo-3-Chloropropane	25.0	28.4	27.7	114	111	58.0-134			2.76	20
1,2-Dibromoethane	25.0	23.3	23.7	93.0	94.8	80.0-122			1.90	20
Dibromomethane	25.0	22.7	22.5	90.7	90.0	80.0-120			0.716	20
1,2-Dichlorobenzene	25.0	23.9	23.4	95.5	93.5	79.0-121			2.08	20
1,3-Dichlorobenzene	25.0	23.5	23.2	94.0	93.0	79.0-120			1.05	20
1,4-Dichlorobenzene	25.0	22.7	22.5	91.0	89.9	79.0-120			1.15	20
Dichlorodifluoromethane	25.0	26.3	26.2	105	105	51.0-149			0.238	20
1,1-Dichloroethane	25.0	24.8	24.6	99.4	98.3	70.0-126			1.12	20
1,2-Dichloroethane	25.0	20.8	20.8	83.1	83.1	70.0-128			0.0641	20
1,1-Dichloroethene	25.0	25.0	25.4	100	102	71.0-124			1.62	20
cis-1,2-Dichloroethene	25.0	23.9	23.7	95.7	94.7	73.0-120			1.11	20
trans-1,2-Dichloroethene	25.0	24.9	24.9	99.6	99.4	73.0-120			0.115	20
1,2-Dichloropropane	25.0	26.5	26.5	106	106	77.0-125			0.267	20
1,1-Dichloropropene	25.0	24.9	24.8	99.4	99.1	74.0-126			0.298	20
1,3-Dichloropropane	25.0	24.6	25.1	98.6	100	80.0-120			1.86	20
cis-1,3-Dichloropropene	25.0	24.0	24.2	96.2	96.7	80.0-123			0.513	20
trans-1,3-Dichloropropene	25.0	23.3	23.5	93.2	94.1	78.0-124			0.936	20
trans-1,4-Dichloro-2-butene	25.0	20.7	19.7	83.0	78.6	33.0-144			5.42	20
2,2-Dichloropropane	25.0	32.0	31.4	128	126	58.0-130			2.05	20
Di-isopropyl ether	25.0	27.7	27.6	111	110	58.0-138			0.601	20

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

(LCS) R3406794-1 04/25/19 09:03 • (LCSD) R3406794-2 04/25/19 09:23

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	25.0	24.4	24.7	97.5	98.9	79.0-123			1.46	20
Hexachloro-1,3-butadiene	25.0	31.2	30.4	125	122	54.0-138			2.57	20
2-Hexanone	125	147	146	117	117	67.0-149			0.700	20
n-Hexane	25.0	29.2	28.6	117	114	57.0-133			2.29	20
Iodomethane	125	134	128	107	102	33.0-147			4.64	26
Isopropylbenzene	25.0	25.6	26.1	103	104	76.0-127			1.66	20
p-Isopropyltoluene	25.0	24.2	23.8	96.8	95.1	76.0-125			1.85	20
2-Butanone (MEK)	125	165	156	132	125	44.0-160			5.34	20
Methylene Chloride	25.0	24.7	24.5	98.8	98.1	67.0-120			0.726	20
4-Methyl-2-pentanone (MIBK)	125	143	142	114	114	68.0-142			0.369	20
Methyl tert-butyl ether	25.0	23.7	23.4	94.7	93.6	68.0-125			1.16	20
Naphthalene	25.0	25.1	24.5	100	98.1	54.0-135			2.40	20
n-Propylbenzene	25.0	23.0	23.0	92.1	91.9	77.0-124			0.261	20
Styrene	25.0	26.6	27.4	106	110	73.0-130			3.12	20
1,1,1,2-Tetrachloroethane	25.0	24.1	24.0	96.2	96.2	75.0-125			0.0553	20
1,1,2,2-Tetrachloroethane	25.0	22.8	22.7	91.3	90.8	65.0-130			0.553	20
1,1,2-Trichlorotrifluoroethane	25.0	23.4	24.1	93.6	96.5	69.0-132			3.14	20
Tetrachloroethene	25.0	25.8	25.8	103	103	72.0-132			0.287	20
Toluene	25.0	25.9	26.1	103	104	79.0-120			0.981	20
1,2,3-Trichlorobenzene	25.0	25.7	24.4	103	97.5	50.0-138			5.36	20
1,2,4-Trichlorobenzene	25.0	26.6	25.2	107	101	57.0-137			5.53	20
1,1,1-Trichloroethane	25.0	23.7	23.8	94.9	95.3	73.0-124			0.433	20
1,1,2-Trichloroethane	25.0	22.8	22.6	91.3	90.4	80.0-120			0.971	20
Trichloroethene	25.0	25.1	25.2	100	101	78.0-124			0.572	20
Trichlorofluoromethane	25.0	15.2	16.5	60.9	65.9	59.0-147			7.93	20
1,2,3-Trichloropropane	25.0	21.1	20.9	84.4	83.5	73.0-130			1.11	20
1,2,4-Trimethylbenzene	25.0	22.8	22.6	91.2	90.5	76.0-121			0.774	20
1,2,3-Trimethylbenzene	25.0	22.4	21.8	89.8	87.2	77.0-120			2.96	20
1,3,5-Trimethylbenzene	25.0	23.4	22.6	93.5	90.5	76.0-122			3.16	20
Vinyl acetate	125	119	120	95.4	95.7	11.0-160			0.361	20
Vinyl chloride	25.0	17.8	17.9	71.3	71.7	67.0-131			0.499	20
Xylenes, Total	75.0	74.9	75.0	99.9	100	79.0-123			0.133	20
(S) Toluene-d8				*101*	*100*	*80.0-120*				
(S) 4-Bromofluorobenzene				*105*	*107*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*92.7*	*99.9*	*70.0-130*				

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

Method Blank (MB)

(MB) R3405838-4 04/26/19 11:26

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
cis-1,2-Dichloroethene	U		0.0933	0.500
Vinyl chloride	U		0.118	0.500
(S) Toluene-d8	*98.0*			*80.0-120*
(S) 4-Bromofluorobenzene	*100*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*90.2*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3405838-1 04/26/19 09:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
cis-1,2-Dichloroethene	25.0	26.4	105	73.0-120	
Vinyl chloride	25.0	27.1	108	67.0-131	
(S) Toluene-d8			*95.5*	*80.0-120*	
(S) 4-Bromofluorobenzene			*101*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*89.3*	*70.0-130*	

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: The identification of the analyte is acceptable, but the reported concentration is an estimate. The calibration met method criteria.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

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

State Accreditations

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

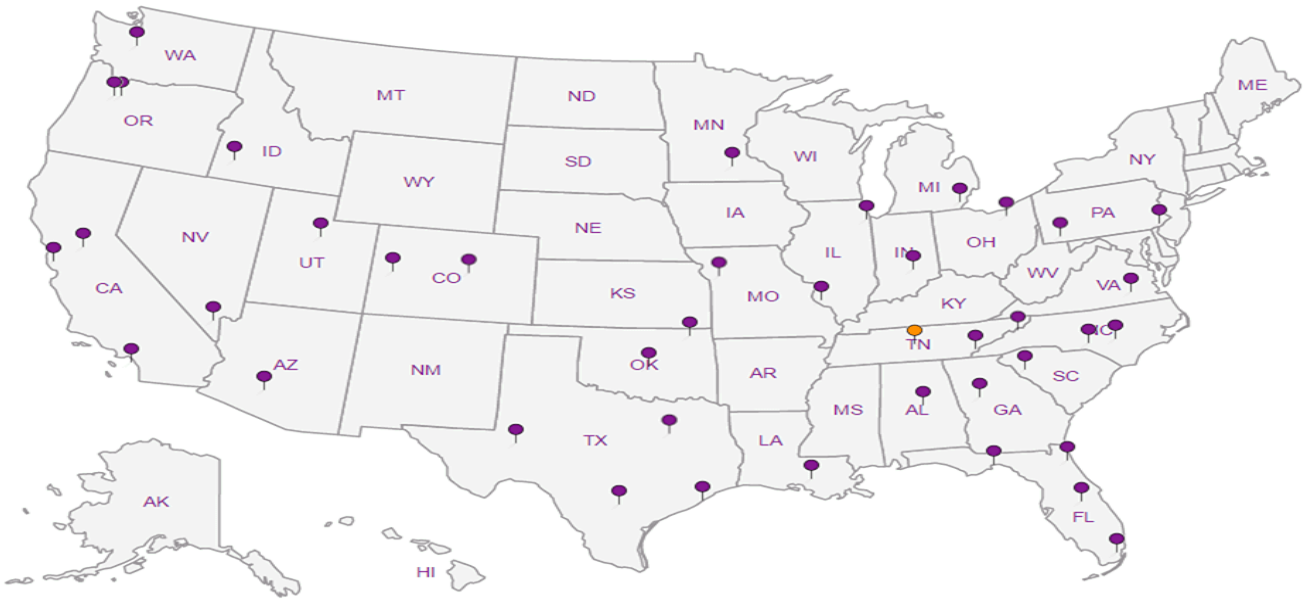
Third Party Federal Accreditations

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

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

Our Locations

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



PES Environmental, Inc.- WA

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Seattle, WA 98161

Report to: Brian O'Neal/Bill Haldeman

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

Email To: boneal@pesenv.com; KVIK@PESENV.COM; bhaldeman@pesenv.com; KSPRINGSTEAD@PESENV.COM

Project Description: American Linen
City/State Collected:
Phone: 206-529-3980
Fax: 206-529-3985
Client Project # 1413.001.05.601
Lab Project # PESENVSWA-ALP
Collected by (print): K. Zyss / B. Hecht
Site/Facility ID # American Linen
P.O. #
Collected by (signature):
Quote #
Immediately Packed on Ice N ___ Y X

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

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NO3,SO4,Cl* 125mlHDPE-NoPres	Alkalinity 125mlHDPE-NoPres	EEM (RSK175LL) 40mlAmb-HCl	TOC 250mlAmb-HCl	Total Fe Mn 6020 250mlHDPE-HNO3	VOCs (8260C)	NWTPH-Gx	Remarks	Sample # (lab only)
MW103-042319	Grab	GW	108	4-22-19	1505	3	X	X	X	X	X	XX			-01
MW111-042319		GW	75	4-22-19	1505	3	X	X	X	X	X	XX			-02
MW104-042319		GW	75	4-23-19	0835	11	X	X	X	X	X	XX			-03
MW105-042319		GW	135		1035	11	X	X	X	X	X	XX			-04
MW147-042319		GW	75		1400	11	X	X	X	X	X	XX			-05
TRIP BLANK-042319	—	GW	—		—	1						XX	X		-06
		GW													
		GW													
		GW													
		GW													

PAD SCREEN: <0.5 mR/hr

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

Remarks: Tier 2 QA/QC for all

pH _____ Temp _____
Flow _____ Other _____

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

Tracking # 4896 1086 1910

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

Temp: 0.9 °C Bottles Received: PP 39

Date: 4/24/19 Time: 0845

Relinquished by : (Signature) — Date: 04-23-19 Time: 1700 — Received by: (Signature)

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

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

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 ___

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1091936
B103
Acctnum: PESENVSWA
Template: T143845
Prelogin: P701221
TSR: 110 - Brian Ford
PB: TB 4-1-19
Shipped Via: FedEX Ground

Brian Ford

From: Kim Vik <KVik@pesenv.com>
Sent: Wednesday, April 24, 2019 11:51 AM
To: Brian Ford
Cc: Bill Haldeman; Karsten Springstead
Subject: American Linen - Groundwater Samples - COC - CORRECTION
Attachments: COC_20190424.pdf

Importance: High

Hi Brian,
I was reviewing the COC for the samples that were shipped to you yesterday (see attached) and I need to make some corrections. They are shown on the mark up attached, but will write them here too:

Sample MW-155-042319 should be analyzed for VOCs and gasoline only
Sample MW103-042219 should be analyzed for VOCs only
Sample MW111-042219 should be analyzed for VOCs only
Sample MW104-042319 should also be analyzed for gasoline (add that analysis)
Sample MW105-042319 should also be analyzed for gasoline (add that analysis)
Sample MW147-042319 should also be analyzed for gasoline (add that analysis)

Let me know if you have any questions.

Thanks!

Kim Vik, L.G.
Senior Geologist

PES Environmental, Inc.
1215 Fourth Avenue, Suite 1350
Seattle, Washington 98161-1012
kvik@pesenv.com

Office: (206) 529-3980, Ext. 110



Login #: L1091936	Client: PESENVSWA	Date: 4/24/19	Evaluated by: Troy Dunlap.

Non-Conformance (check applicable items)

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

Login Comments: For ID MW103 and MW111 the client marked all analysis but only sent three 40ml-HCL vials.

Client informed by:		Call		Email X		Voice Mail		Date:04/24/19	Time:1220
TSR Initials:bjf	Client Contact: Kim Vik								

Login Instructions:

Log MW103 and MW111 for V8260LLC only.
Add NWTPHGX to MW104, MW105, MW147.

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

May 08, 2019

PES Environmental, Inc.- WA

Sample Delivery Group:	L1091958
Samples Received:	04/24/2019
Project Number:	1413.001.05.601
Description:	American Linen
Site:	AMERICAN LINEN
Report To:	Brian O'Neal/Bill Haldeman
	1215 Fourth Ave., Suite 1350
	Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



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W-MW-02-042319 L1091958-01 GW

Collected by: KZ/BH | Collected date/time: 04/23/19 07:45 | Received date/time: 04/24/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1273427	1	04/30/19 17:24	04/30/19 17:24	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1271082	1	04/24/19 23:40	04/24/19 23:40	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1271096	1	04/24/19 17:57	04/24/19 17:57	EEM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1271171	20	04/27/19 14:10	05/07/19 00:48	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1271515	1	04/25/19 15:43	04/25/19 15:43	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1271298	1	04/26/19 14:48	04/26/19 14:48	MEL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1273649	20	04/30/19 14:04	04/30/19 14:04	MBF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1271705	1	04/25/19 17:28	04/25/19 17:28	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1274056	10	05/01/19 02:42	05/01/19 02:42	JHH	Mt. Juliet, TN

BB-8-042319 L1091958-02 GW

Collected by: KZ/BH | Collected date/time: 04/23/19 10:05 | Received date/time: 04/24/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1273427	1	04/30/19 17:31	04/30/19 17:31	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1271082	1	04/25/19 00:09	04/25/19 00:09	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1271096	1	04/24/19 18:18	04/24/19 18:18	EEM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1271171	1	04/27/19 14:10	05/06/19 00:10	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1271515	1	04/25/19 16:07	04/25/19 16:07	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1271298	1	04/26/19 14:51	04/26/19 14:51	MEL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1271705	1	04/25/19 17:48	04/25/19 17:48	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1274056	1	05/01/19 01:36	05/01/19 01:36	JHH	Mt. Juliet, TN

MW-155-042319 L1091958-03 GW

Collected by: KZ/BH | Collected date/time: 04/23/19 11:45 | Received date/time: 04/24/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1271515	1	04/25/19 16:31	04/25/19 16:31	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1271705	1	04/25/19 18:09	04/25/19 18:09	BMB	Mt. Juliet, TN

MW144-042319 L1091958-04 GW

Collected by: KZ/BH | Collected date/time: 04/23/19 14:05 | Received date/time: 04/24/19 08:45

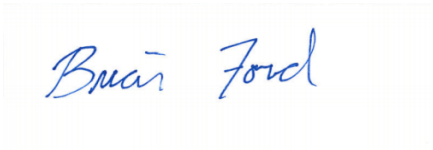
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1273427	1	04/30/19 17:37	04/30/19 17:37	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1271082	1	04/25/19 00:23	04/25/19 00:23	ST	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1271082	5	04/25/19 00:37	04/25/19 00:37	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1271096	1	04/24/19 19:53	04/24/19 19:53	EEM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1271171	1	04/27/19 14:10	05/06/19 00:14	LAT	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1271171	10	04/27/19 14:10	05/07/19 00:53	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1271515	1	04/25/19 16:55	04/25/19 16:55	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1271298	1	04/26/19 14:56	04/26/19 14:56	MEL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1274563	20	05/02/19 08:44	05/02/19 08:44	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1271705	1	04/25/19 18:29	04/25/19 18:29	BMB	Mt. Juliet, TN

TRIP BLANK-042319 L1091958-05 GW

Collected by: KZ/BH | Collected date/time: 04/23/19 00:00 | Received date/time: 04/24/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1271515	1	04/25/19 12:56	04/25/19 12:56	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1271705	1	04/25/19 16:08	04/25/19 16:08	BMB	Mt. Juliet, TN

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



Brian Ford
Project Manager

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	799000		2710	20000	1	04/30/2019 17:24	WG1273427

Sample Narrative:

L1091958-01 WG1273427: Endpoint pH 4.5 headspace

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	86700		51.9	1000	1	04/24/2019 23:40	WG1271082
Nitrate	U		22.7	100	1	04/24/2019 23:40	WG1271082
Sulfate	U		77.4	5000	1	04/24/2019 23:40	WG1271082

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	26100		102	1000	1	04/24/2019 17:57	WG1271096

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	13400		300	2000	20	05/07/2019 00:48	WG1271171
Manganese	3430		5.00	100	20	05/07/2019 00:48	WG1271171

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	429		31.6	100	1	04/25/2019 15:43	WG1271515
(S) a,a,a-Trifluorotoluene(FID)	*111*			*78.0-120*		*04/25/2019 15:43*	WG1271515

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	10600		5.74	13.6	20	04/30/2019 14:04	WG1273649
Ethane	45.2		0.296	1.29	1	04/26/2019 14:48	WG1271298
Ethene	37.4		0.422	1.27	1	04/26/2019 14:48	WG1271298

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	2.25	J J0 J3 J4	1.05	25.0	1	04/25/2019 17:28	WG1271705
Acrylonitrile	U		0.873	5.00	1	04/25/2019 17:28	WG1271705
Benzene	U		0.0896	0.500	1	04/25/2019 17:28	WG1271705
Bromobenzene	U		0.133	0.500	1	04/25/2019 17:28	WG1271705
Bromodichloromethane	U		0.0800	0.500	1	04/25/2019 17:28	WG1271705
Bromochloromethane	U		0.145	0.500	1	04/25/2019 17:28	WG1271705
Bromoform	U		0.186	0.500	1	04/25/2019 17:28	WG1271705
Bromomethane	U	J0	0.157	2.50	1	04/25/2019 17:28	WG1271705
n-Butylbenzene	U		0.143	0.500	1	04/25/2019 17:28	WG1271705
sec-Butylbenzene	U		0.134	0.500	1	04/25/2019 17:28	WG1271705
tert-Butylbenzene	U		0.183	0.500	1	04/25/2019 17:28	WG1271705
Carbon disulfide	0.160	J	0.101	0.500	1	04/25/2019 17:28	WG1271705
Carbon tetrachloride	U		0.159	0.500	1	04/25/2019 17:28	WG1271705

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/25/2019 17:28	WG1271705
Chlorodibromomethane	U		0.128	0.500	1	04/25/2019 17:28	WG1271705
Chloroethane	U	J0	0.141	2.50	1	04/25/2019 17:28	WG1271705
Chloroform	U		0.0860	0.500	1	04/25/2019 17:28	WG1271705
Chloromethane	U		0.153	1.25	1	04/25/2019 17:28	WG1271705
2-Chlorotoluene	U		0.111	0.500	1	04/25/2019 17:28	WG1271705
4-Chlorotoluene	U		0.0972	0.500	1	04/25/2019 17:28	WG1271705
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/25/2019 17:28	WG1271705
1,2-Dibromoethane	U		0.193	0.500	1	04/25/2019 17:28	WG1271705
Dibromomethane	U		0.117	0.500	1	04/25/2019 17:28	WG1271705
1,2-Dichlorobenzene	U		0.101	0.500	1	04/25/2019 17:28	WG1271705
1,3-Dichlorobenzene	U		0.130	0.500	1	04/25/2019 17:28	WG1271705
1,4-Dichlorobenzene	U		0.121	0.500	1	04/25/2019 17:28	WG1271705
Dichlorodifluoromethane	U		0.127	2.50	1	04/25/2019 17:28	WG1271705
1,1-Dichloroethane	U		0.114	0.500	1	04/25/2019 17:28	WG1271705
1,2-Dichloroethane	U		0.108	0.500	1	04/25/2019 17:28	WG1271705
1,1-Dichloroethene	1.96		0.188	0.500	1	04/25/2019 17:28	WG1271705
cis-1,2-Dichloroethene	672		0.933	5.00	10	05/01/2019 02:42	WG1274056
trans-1,2-Dichloroethene	2.35		0.152	0.500	1	04/25/2019 17:28	WG1271705
1,2-Dichloropropane	U		0.190	0.500	1	04/25/2019 17:28	WG1271705
1,1-Dichloropropene	U		0.128	0.500	1	04/25/2019 17:28	WG1271705
1,3-Dichloropropane	U		0.147	1.00	1	04/25/2019 17:28	WG1271705
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/25/2019 17:28	WG1271705
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/25/2019 17:28	WG1271705
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/25/2019 17:28	WG1271705
2,2-Dichloropropane	U		0.0929	0.500	1	04/25/2019 17:28	WG1271705
Di-isopropyl ether	U		0.0924	0.500	1	04/25/2019 17:28	WG1271705
Ethylbenzene	U		0.158	0.500	1	04/25/2019 17:28	WG1271705
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/25/2019 17:28	WG1271705
2-Hexanone	U		0.757	5.00	1	04/25/2019 17:28	WG1271705
n-Hexane	U		0.305	5.00	1	04/25/2019 17:28	WG1271705
Iodomethane	U		0.377	10.0	1	04/25/2019 17:28	WG1271705
Isopropylbenzene	U		0.126	0.500	1	04/25/2019 17:28	WG1271705
p-Isopropyltoluene	U		0.138	0.500	1	04/25/2019 17:28	WG1271705
2-Butanone (MEK)	U		1.28	5.00	1	04/25/2019 17:28	WG1271705
Methylene Chloride	U		1.07	2.50	1	04/25/2019 17:28	WG1271705
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/25/2019 17:28	WG1271705
Methyl tert-butyl ether	U		0.102	0.500	1	04/25/2019 17:28	WG1271705
Naphthalene	U		0.174	2.50	1	04/25/2019 17:28	WG1271705
n-Propylbenzene	U		0.162	0.500	1	04/25/2019 17:28	WG1271705
Styrene	U		0.117	0.500	1	04/25/2019 17:28	WG1271705
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/25/2019 17:28	WG1271705
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/25/2019 17:28	WG1271705
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/25/2019 17:28	WG1271705
Tetrachloroethene	U		0.199	0.500	1	04/25/2019 17:28	WG1271705
Toluene	0.560		0.412	0.500	1	04/25/2019 17:28	WG1271705
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/25/2019 17:28	WG1271705
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/25/2019 17:28	WG1271705
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/25/2019 17:28	WG1271705
1,1,2-Trichloroethane	U		0.186	0.500	1	04/25/2019 17:28	WG1271705
Trichloroethene	40.1		0.153	0.500	1	04/25/2019 17:28	WG1271705
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/25/2019 17:28	WG1271705
1,2,3-Trichloropropane	U		0.247	2.50	1	04/25/2019 17:28	WG1271705
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/25/2019 17:28	WG1271705
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/25/2019 17:28	WG1271705
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/25/2019 17:28	WG1271705

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/25/2019 17:28	WG1271705
Vinyl chloride	81.0	J0	0.118	0.500	1	04/25/2019 17:28	WG1271705
Xylenes, Total	U		0.316	1.50	1	04/25/2019 17:28	WG1271705
(S) Toluene-d8	*100*			*80.0-120*		*04/25/2019 17:28*	WG1271705
(S) Toluene-d8	*103*			*80.0-120*		*05/01/2019 02:42*	WG1274056
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*04/25/2019 17:28*	WG1271705
(S) 4-Bromofluorobenzene	*99.6*			*77.0-126*		*05/01/2019 02:42*	WG1274056
(S) 1,2-Dichloroethane-d4	*93.5*			*70.0-130*		*04/25/2019 17:28*	WG1271705
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*05/01/2019 02:42*	WG1274056

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	227000		2710	20000	1	04/30/2019 17:31	WG1273427

Sample Narrative:

L1091958-02 WG1273427: Endpoint pH 4.5 headspace

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	28100		51.9	1000	1	04/25/2019 00:09	WG1271082
Nitrate	2770		22.7	100	1	04/25/2019 00:09	WG1271082
Sulfate	44400		77.4	5000	1	04/25/2019 00:09	WG1271082

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	2710	B	102	1000	1	04/24/2019 18:18	WG1271096

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	315		15.0	100	1	05/06/2019 00:10	WG1271171
Manganese	63.7		0.250	5.00	1	05/06/2019 00:10	WG1271171

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/25/2019 16:07	WG1271515
(S) a,a,a-Trifluorotoluene(FID)	*112*			*78.0-120*		*04/25/2019 16:07*	WG1271515

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	U		0.287	0.678	1	04/26/2019 14:51	WG1271298
Ethane	U		0.296	1.29	1	04/26/2019 14:51	WG1271298
Ethene	U		0.422	1.27	1	04/26/2019 14:51	WG1271298

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	2.03	J J0 J3 J4	1.05	25.0	1	04/25/2019 17:48	WG1271705
Acrylonitrile	U		0.873	5.00	1	04/25/2019 17:48	WG1271705
Benzene	U		0.0896	0.500	1	04/25/2019 17:48	WG1271705
Bromobenzene	U		0.133	0.500	1	04/25/2019 17:48	WG1271705
Bromodichloromethane	U		0.0800	0.500	1	04/25/2019 17:48	WG1271705
Bromochloromethane	U		0.145	0.500	1	04/25/2019 17:48	WG1271705
Bromoform	U		0.186	0.500	1	04/25/2019 17:48	WG1271705
Bromomethane	U	J0	0.157	2.50	1	04/25/2019 17:48	WG1271705
n-Butylbenzene	U		0.143	0.500	1	04/25/2019 17:48	WG1271705
sec-Butylbenzene	U		0.134	0.500	1	04/25/2019 17:48	WG1271705
tert-Butylbenzene	U		0.183	0.500	1	04/25/2019 17:48	WG1271705
Carbon disulfide	U		0.101	0.500	1	04/25/2019 17:48	WG1271705
Carbon tetrachloride	U		0.159	0.500	1	04/25/2019 17:48	WG1271705

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/25/2019 17:48	WG1271705
Chlorodibromomethane	U		0.128	0.500	1	04/25/2019 17:48	WG1271705
Chloroethane	U	J0	0.141	2.50	1	04/25/2019 17:48	WG1271705
Chloroform	U		0.0860	0.500	1	04/25/2019 17:48	WG1271705
Chloromethane	U		0.153	1.25	1	04/25/2019 17:48	WG1271705
2-Chlorotoluene	U		0.111	0.500	1	04/25/2019 17:48	WG1271705
4-Chlorotoluene	U		0.0972	0.500	1	04/25/2019 17:48	WG1271705
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/25/2019 17:48	WG1271705
1,2-Dibromoethane	U		0.193	0.500	1	04/25/2019 17:48	WG1271705
Dibromomethane	U		0.117	0.500	1	04/25/2019 17:48	WG1271705
1,2-Dichlorobenzene	U		0.101	0.500	1	04/25/2019 17:48	WG1271705
1,3-Dichlorobenzene	U		0.130	0.500	1	04/25/2019 17:48	WG1271705
1,4-Dichlorobenzene	U		0.121	0.500	1	04/25/2019 17:48	WG1271705
Dichlorodifluoromethane	U		0.127	2.50	1	04/25/2019 17:48	WG1271705
1,1-Dichloroethane	U		0.114	0.500	1	04/25/2019 17:48	WG1271705
1,2-Dichloroethane	U		0.108	0.500	1	04/25/2019 17:48	WG1271705
1,1-Dichloroethene	U		0.188	0.500	1	04/25/2019 17:48	WG1271705
cis-1,2-Dichloroethene	7.57		0.0933	0.500	1	05/01/2019 01:36	WG1274056
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/25/2019 17:48	WG1271705
1,2-Dichloropropane	U		0.190	0.500	1	04/25/2019 17:48	WG1271705
1,1-Dichloropropene	U		0.128	0.500	1	04/25/2019 17:48	WG1271705
1,3-Dichloropropane	U		0.147	1.00	1	04/25/2019 17:48	WG1271705
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/25/2019 17:48	WG1271705
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/25/2019 17:48	WG1271705
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/25/2019 17:48	WG1271705
2,2-Dichloropropane	U		0.0929	0.500	1	04/25/2019 17:48	WG1271705
Di-isopropyl ether	U		0.0924	0.500	1	04/25/2019 17:48	WG1271705
Ethylbenzene	U		0.158	0.500	1	04/25/2019 17:48	WG1271705
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/25/2019 17:48	WG1271705
2-Hexanone	U		0.757	5.00	1	04/25/2019 17:48	WG1271705
n-Hexane	U		0.305	5.00	1	04/25/2019 17:48	WG1271705
Iodomethane	U		0.377	10.0	1	04/25/2019 17:48	WG1271705
Isopropylbenzene	U		0.126	0.500	1	04/25/2019 17:48	WG1271705
p-Isopropyltoluene	U		0.138	0.500	1	04/25/2019 17:48	WG1271705
2-Butanone (MEK)	U		1.28	5.00	1	04/25/2019 17:48	WG1271705
Methylene Chloride	U		1.07	2.50	1	04/25/2019 17:48	WG1271705
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/25/2019 17:48	WG1271705
Methyl tert-butyl ether	U		0.102	0.500	1	04/25/2019 17:48	WG1271705
Naphthalene	U		0.174	2.50	1	04/25/2019 17:48	WG1271705
n-Propylbenzene	U		0.162	0.500	1	04/25/2019 17:48	WG1271705
Styrene	U		0.117	0.500	1	04/25/2019 17:48	WG1271705
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/25/2019 17:48	WG1271705
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/25/2019 17:48	WG1271705
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/25/2019 17:48	WG1271705
Tetrachloroethene	48.8		0.199	0.500	1	04/25/2019 17:48	WG1271705
Toluene	U		0.412	0.500	1	04/25/2019 17:48	WG1271705
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/25/2019 17:48	WG1271705
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/25/2019 17:48	WG1271705
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/25/2019 17:48	WG1271705
1,1,2-Trichloroethane	U		0.186	0.500	1	04/25/2019 17:48	WG1271705
Trichloroethene	9.09		0.153	0.500	1	04/25/2019 17:48	WG1271705
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/25/2019 17:48	WG1271705
1,2,3-Trichloropropane	U		0.247	2.50	1	04/25/2019 17:48	WG1271705
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/25/2019 17:48	WG1271705
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/25/2019 17:48	WG1271705
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/25/2019 17:48	WG1271705

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/25/2019 17:48	WG1271705
Vinyl chloride	U	J0	0.118	0.500	1	04/25/2019 17:48	WG1271705
Xylenes, Total	U		0.316	1.50	1	04/25/2019 17:48	WG1271705
(S) Toluene-d8	*101*			*80.0-120*		*04/25/2019 17:48*	WG1271705
(S) Toluene-d8	*103*			*80.0-120*		*05/01/2019 01:36*	WG1274056
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*04/25/2019 17:48*	WG1271705
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*05/01/2019 01:36*	WG1274056
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*04/25/2019 17:48*	WG1271705
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*05/01/2019 01:36*	WG1274056

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/25/2019 16:31	WG1271515
(S) a,a,a-Trifluorotoluene(FID)	*111*			*78.0-120*		*04/25/2019 16:31*	WG1271515

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.86	J J0 J3 J4	1.05	25.0	1	04/25/2019 18:09	WG1271705
Acrylonitrile	U		0.873	5.00	1	04/25/2019 18:09	WG1271705
Benzene	U		0.0896	0.500	1	04/25/2019 18:09	WG1271705
Bromobenzene	U		0.133	0.500	1	04/25/2019 18:09	WG1271705
Bromodichloromethane	U		0.0800	0.500	1	04/25/2019 18:09	WG1271705
Bromochloromethane	U		0.145	0.500	1	04/25/2019 18:09	WG1271705
Bromoform	U		0.186	0.500	1	04/25/2019 18:09	WG1271705
Bromomethane	U	J0	0.157	2.50	1	04/25/2019 18:09	WG1271705
n-Butylbenzene	U		0.143	0.500	1	04/25/2019 18:09	WG1271705
sec-Butylbenzene	U		0.134	0.500	1	04/25/2019 18:09	WG1271705
tert-Butylbenzene	U		0.183	0.500	1	04/25/2019 18:09	WG1271705
Carbon disulfide	U		0.101	0.500	1	04/25/2019 18:09	WG1271705
Carbon tetrachloride	U		0.159	0.500	1	04/25/2019 18:09	WG1271705
Chlorobenzene	U		0.140	0.500	1	04/25/2019 18:09	WG1271705
Chlorodibromomethane	U		0.128	0.500	1	04/25/2019 18:09	WG1271705
Chloroethane	U	J0	0.141	2.50	1	04/25/2019 18:09	WG1271705
Chloroform	U		0.0860	0.500	1	04/25/2019 18:09	WG1271705
Chloromethane	U		0.153	1.25	1	04/25/2019 18:09	WG1271705
2-Chlorotoluene	U		0.111	0.500	1	04/25/2019 18:09	WG1271705
4-Chlorotoluene	U		0.0972	0.500	1	04/25/2019 18:09	WG1271705
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/25/2019 18:09	WG1271705
1,2-Dibromoethane	U		0.193	0.500	1	04/25/2019 18:09	WG1271705
Dibromomethane	U		0.117	0.500	1	04/25/2019 18:09	WG1271705
1,2-Dichlorobenzene	U		0.101	0.500	1	04/25/2019 18:09	WG1271705
1,3-Dichlorobenzene	U		0.130	0.500	1	04/25/2019 18:09	WG1271705
1,4-Dichlorobenzene	U		0.121	0.500	1	04/25/2019 18:09	WG1271705
Dichlorodifluoromethane	U		0.127	2.50	1	04/25/2019 18:09	WG1271705
1,1-Dichloroethane	U		0.114	0.500	1	04/25/2019 18:09	WG1271705
1,2-Dichloroethane	U		0.108	0.500	1	04/25/2019 18:09	WG1271705
1,1-Dichloroethene	0.249	J	0.188	0.500	1	04/25/2019 18:09	WG1271705
cis-1,2-Dichloroethene	71.9		0.0933	0.500	1	04/25/2019 18:09	WG1271705
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/25/2019 18:09	WG1271705
1,2-Dichloropropane	U		0.190	0.500	1	04/25/2019 18:09	WG1271705
1,1-Dichloropropene	U		0.128	0.500	1	04/25/2019 18:09	WG1271705
1,3-Dichloropropane	U		0.147	1.00	1	04/25/2019 18:09	WG1271705
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/25/2019 18:09	WG1271705
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/25/2019 18:09	WG1271705
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/25/2019 18:09	WG1271705
2,2-Dichloropropane	U		0.0929	0.500	1	04/25/2019 18:09	WG1271705
Di-isopropyl ether	U		0.0924	0.500	1	04/25/2019 18:09	WG1271705
Ethylbenzene	U		0.158	0.500	1	04/25/2019 18:09	WG1271705
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/25/2019 18:09	WG1271705
2-Hexanone	U		0.757	5.00	1	04/25/2019 18:09	WG1271705
n-Hexane	U		0.305	5.00	1	04/25/2019 18:09	WG1271705
Iodomethane	U		0.377	10.0	1	04/25/2019 18:09	WG1271705
Isopropylbenzene	U		0.126	0.500	1	04/25/2019 18:09	WG1271705
p-Isopropyltoluene	U		0.138	0.500	1	04/25/2019 18:09	WG1271705
2-Butanone (MEK)	U		1.28	5.00	1	04/25/2019 18:09	WG1271705

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/25/2019 18:09	WG1271705
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/25/2019 18:09	WG1271705
Methyl tert-butyl ether	U		0.102	0.500	1	04/25/2019 18:09	WG1271705
Naphthalene	U		0.174	2.50	1	04/25/2019 18:09	WG1271705
n-Propylbenzene	U		0.162	0.500	1	04/25/2019 18:09	WG1271705
Styrene	U		0.117	0.500	1	04/25/2019 18:09	WG1271705
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/25/2019 18:09	WG1271705
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/25/2019 18:09	WG1271705
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/25/2019 18:09	WG1271705
Tetrachloroethene	14.6		0.199	0.500	1	04/25/2019 18:09	WG1271705
Toluene	U		0.412	0.500	1	04/25/2019 18:09	WG1271705
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/25/2019 18:09	WG1271705
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/25/2019 18:09	WG1271705
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/25/2019 18:09	WG1271705
1,1,2-Trichloroethane	U		0.186	0.500	1	04/25/2019 18:09	WG1271705
Trichloroethene	4.75		0.153	0.500	1	04/25/2019 18:09	WG1271705
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/25/2019 18:09	WG1271705
1,2,3-Trichloropropane	U		0.247	2.50	1	04/25/2019 18:09	WG1271705
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/25/2019 18:09	WG1271705
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/25/2019 18:09	WG1271705
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/25/2019 18:09	WG1271705
Vinyl acetate	U		0.645	5.00	1	04/25/2019 18:09	WG1271705
Vinyl chloride	6.54	J0	0.118	0.500	1	04/25/2019 18:09	WG1271705
Xylenes, Total	U		0.316	1.50	1	04/25/2019 18:09	WG1271705
(S) Toluene-d8	*101*			*80.0-120*		*04/25/2019 18:09*	WG1271705
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*04/25/2019 18:09*	WG1271705
(S) 1,2-Dichloroethane-d4	*93.4*			*70.0-130*		*04/25/2019 18:09*	WG1271705

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	733000		2710	20000	1	04/30/2019 17:37	WG1273427

Sample Narrative:

L1091958-04 WG1273427: Endpoint pH 4.5 headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	144000		260	5000	5	04/25/2019 00:37	WG1271082
Nitrate	U		22.7	100	1	04/25/2019 00:23	WG1271082
Sulfate	U		77.4	5000	1	04/25/2019 00:23	WG1271082

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	11400		102	1000	1	04/24/2019 19:53	WG1271096

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1220		15.0	100	1	05/06/2019 00:14	WG1271171
Manganese	1480		2.50	50.0	10	05/07/2019 00:53	WG1271171

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/25/2019 16:55	WG1271515
(S) a,a,a-Trifluorotoluene(FID)	*111*			*78.0-120*		*04/25/2019 16:55*	WG1271515

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	13000		5.74	13.6	20	05/02/2019 08:44	WG1274563
Ethane	771		0.296	1.29	1	04/26/2019 14:56	WG1271298
Ethene	699		0.422	1.27	1	04/26/2019 14:56	WG1271298

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	2.38	J J0 J3 J4	1.05	25.0	1	04/25/2019 18:29	WG1271705
Acrylonitrile	U		0.873	5.00	1	04/25/2019 18:29	WG1271705
Benzene	U		0.0896	0.500	1	04/25/2019 18:29	WG1271705
Bromobenzene	U		0.133	0.500	1	04/25/2019 18:29	WG1271705
Bromodichloromethane	U		0.0800	0.500	1	04/25/2019 18:29	WG1271705
Bromochloromethane	U		0.145	0.500	1	04/25/2019 18:29	WG1271705
Bromoform	U		0.186	0.500	1	04/25/2019 18:29	WG1271705
Bromomethane	U	J0	0.157	2.50	1	04/25/2019 18:29	WG1271705
n-Butylbenzene	U		0.143	0.500	1	04/25/2019 18:29	WG1271705
sec-Butylbenzene	U		0.134	0.500	1	04/25/2019 18:29	WG1271705
tert-Butylbenzene	U		0.183	0.500	1	04/25/2019 18:29	WG1271705
Carbon disulfide	0.210	J	0.101	0.500	1	04/25/2019 18:29	WG1271705
Carbon tetrachloride	U		0.159	0.500	1	04/25/2019 18:29	WG1271705

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/25/2019 18:29	WG1271705
Chlorodibromomethane	U		0.128	0.500	1	04/25/2019 18:29	WG1271705
Chloroethane	U	J0	0.141	2.50	1	04/25/2019 18:29	WG1271705
Chloroform	U		0.0860	0.500	1	04/25/2019 18:29	WG1271705
Chloromethane	U		0.153	1.25	1	04/25/2019 18:29	WG1271705
2-Chlorotoluene	U		0.111	0.500	1	04/25/2019 18:29	WG1271705
4-Chlorotoluene	U		0.0972	0.500	1	04/25/2019 18:29	WG1271705
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/25/2019 18:29	WG1271705
1,2-Dibromoethane	U		0.193	0.500	1	04/25/2019 18:29	WG1271705
Dibromomethane	U		0.117	0.500	1	04/25/2019 18:29	WG1271705
1,2-Dichlorobenzene	U		0.101	0.500	1	04/25/2019 18:29	WG1271705
1,3-Dichlorobenzene	U		0.130	0.500	1	04/25/2019 18:29	WG1271705
1,4-Dichlorobenzene	U		0.121	0.500	1	04/25/2019 18:29	WG1271705
Dichlorodifluoromethane	U		0.127	2.50	1	04/25/2019 18:29	WG1271705
1,1-Dichloroethane	U		0.114	0.500	1	04/25/2019 18:29	WG1271705
1,2-Dichloroethane	U		0.108	0.500	1	04/25/2019 18:29	WG1271705
1,1-Dichloroethene	U		0.188	0.500	1	04/25/2019 18:29	WG1271705
cis-1,2-Dichloroethene	4.09		0.0933	0.500	1	04/25/2019 18:29	WG1271705
trans-1,2-Dichloroethene	0.472	J	0.152	0.500	1	04/25/2019 18:29	WG1271705
1,2-Dichloropropane	U		0.190	0.500	1	04/25/2019 18:29	WG1271705
1,1-Dichloropropene	U		0.128	0.500	1	04/25/2019 18:29	WG1271705
1,3-Dichloropropane	U		0.147	1.00	1	04/25/2019 18:29	WG1271705
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/25/2019 18:29	WG1271705
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/25/2019 18:29	WG1271705
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/25/2019 18:29	WG1271705
2,2-Dichloropropane	U		0.0929	0.500	1	04/25/2019 18:29	WG1271705
Di-isopropyl ether	U		0.0924	0.500	1	04/25/2019 18:29	WG1271705
Ethylbenzene	U		0.158	0.500	1	04/25/2019 18:29	WG1271705
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/25/2019 18:29	WG1271705
2-Hexanone	U		0.757	5.00	1	04/25/2019 18:29	WG1271705
n-Hexane	U		0.305	5.00	1	04/25/2019 18:29	WG1271705
Iodomethane	U		0.377	10.0	1	04/25/2019 18:29	WG1271705
Isopropylbenzene	U		0.126	0.500	1	04/25/2019 18:29	WG1271705
p-Isopropyltoluene	U		0.138	0.500	1	04/25/2019 18:29	WG1271705
2-Butanone (MEK)	U		1.28	5.00	1	04/25/2019 18:29	WG1271705
Methylene Chloride	U		1.07	2.50	1	04/25/2019 18:29	WG1271705
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/25/2019 18:29	WG1271705
Methyl tert-butyl ether	U		0.102	0.500	1	04/25/2019 18:29	WG1271705
Naphthalene	U		0.174	2.50	1	04/25/2019 18:29	WG1271705
n-Propylbenzene	U		0.162	0.500	1	04/25/2019 18:29	WG1271705
Styrene	U		0.117	0.500	1	04/25/2019 18:29	WG1271705
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/25/2019 18:29	WG1271705
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/25/2019 18:29	WG1271705
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/25/2019 18:29	WG1271705
Tetrachloroethene	U		0.199	0.500	1	04/25/2019 18:29	WG1271705
Toluene	U		0.412	0.500	1	04/25/2019 18:29	WG1271705
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/25/2019 18:29	WG1271705
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/25/2019 18:29	WG1271705
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/25/2019 18:29	WG1271705
1,1,2-Trichloroethane	U		0.186	0.500	1	04/25/2019 18:29	WG1271705
Trichloroethene	0.158	J	0.153	0.500	1	04/25/2019 18:29	WG1271705
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/25/2019 18:29	WG1271705
1,2,3-Trichloropropane	U		0.247	2.50	1	04/25/2019 18:29	WG1271705
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/25/2019 18:29	WG1271705
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/25/2019 18:29	WG1271705
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/25/2019 18:29	WG1271705

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/25/2019 18:29	WG1271705
Vinyl chloride	7.30	J0	0.118	0.500	1	04/25/2019 18:29	WG1271705
Xylenes, Total	U		0.316	1.50	1	04/25/2019 18:29	WG1271705
(S) Toluene-d8	*101*			*80.0-120*		*04/25/2019 18:29*	WG1271705
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*04/25/2019 18:29*	WG1271705
(S) 1,2-Dichloroethane-d4	*95.9*			*70.0-130*		*04/25/2019 18:29*	WG1271705

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/25/2019 12:56	WG1271515
(S) a,a,a-Trifluorotoluene(FID)	*111*			*78.0-120*		*04/25/2019 12:56*	WG1271515

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	J3 J4	1.05	25.0	1	04/25/2019 16:08	WG1271705
Acrylonitrile	U		0.873	5.00	1	04/25/2019 16:08	WG1271705
Benzene	U		0.0896	0.500	1	04/25/2019 16:08	WG1271705
Bromobenzene	U		0.133	0.500	1	04/25/2019 16:08	WG1271705
Bromodichloromethane	U		0.0800	0.500	1	04/25/2019 16:08	WG1271705
Bromochloromethane	U		0.145	0.500	1	04/25/2019 16:08	WG1271705
Bromoform	U		0.186	0.500	1	04/25/2019 16:08	WG1271705
Bromomethane	U	J0	0.157	2.50	1	04/25/2019 16:08	WG1271705
n-Butylbenzene	U		0.143	0.500	1	04/25/2019 16:08	WG1271705
sec-Butylbenzene	U		0.134	0.500	1	04/25/2019 16:08	WG1271705
tert-Butylbenzene	U		0.183	0.500	1	04/25/2019 16:08	WG1271705
Carbon disulfide	U		0.101	0.500	1	04/25/2019 16:08	WG1271705
Carbon tetrachloride	U		0.159	0.500	1	04/25/2019 16:08	WG1271705
Chlorobenzene	U		0.140	0.500	1	04/25/2019 16:08	WG1271705
Chlorodibromomethane	U		0.128	0.500	1	04/25/2019 16:08	WG1271705
Chloroethane	U	J0	0.141	2.50	1	04/25/2019 16:08	WG1271705
Chloroform	U		0.0860	0.500	1	04/25/2019 16:08	WG1271705
Chloromethane	U		0.153	1.25	1	04/25/2019 16:08	WG1271705
2-Chlorotoluene	U		0.111	0.500	1	04/25/2019 16:08	WG1271705
4-Chlorotoluene	U		0.0972	0.500	1	04/25/2019 16:08	WG1271705
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/25/2019 16:08	WG1271705
1,2-Dibromoethane	U		0.193	0.500	1	04/25/2019 16:08	WG1271705
Dibromomethane	U		0.117	0.500	1	04/25/2019 16:08	WG1271705
1,2-Dichlorobenzene	U		0.101	0.500	1	04/25/2019 16:08	WG1271705
1,3-Dichlorobenzene	U		0.130	0.500	1	04/25/2019 16:08	WG1271705
1,4-Dichlorobenzene	U		0.121	0.500	1	04/25/2019 16:08	WG1271705
Dichlorodifluoromethane	U		0.127	2.50	1	04/25/2019 16:08	WG1271705
1,1-Dichloroethane	U		0.114	0.500	1	04/25/2019 16:08	WG1271705
1,2-Dichloroethane	U		0.108	0.500	1	04/25/2019 16:08	WG1271705
1,1-Dichloroethene	U		0.188	0.500	1	04/25/2019 16:08	WG1271705
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/25/2019 16:08	WG1271705
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/25/2019 16:08	WG1271705
1,2-Dichloropropane	U		0.190	0.500	1	04/25/2019 16:08	WG1271705
1,1-Dichloropropene	U		0.128	0.500	1	04/25/2019 16:08	WG1271705
1,3-Dichloropropane	U		0.147	1.00	1	04/25/2019 16:08	WG1271705
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/25/2019 16:08	WG1271705
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/25/2019 16:08	WG1271705
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/25/2019 16:08	WG1271705
2,2-Dichloropropane	U		0.0929	0.500	1	04/25/2019 16:08	WG1271705
Di-isopropyl ether	U		0.0924	0.500	1	04/25/2019 16:08	WG1271705
Ethylbenzene	U		0.158	0.500	1	04/25/2019 16:08	WG1271705
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/25/2019 16:08	WG1271705
2-Hexanone	U		0.757	5.00	1	04/25/2019 16:08	WG1271705
n-Hexane	U		0.305	5.00	1	04/25/2019 16:08	WG1271705
Iodomethane	U		0.377	10.0	1	04/25/2019 16:08	WG1271705
Isopropylbenzene	U		0.126	0.500	1	04/25/2019 16:08	WG1271705
p-Isopropyltoluene	U		0.138	0.500	1	04/25/2019 16:08	WG1271705
2-Butanone (MEK)	U		1.28	5.00	1	04/25/2019 16:08	WG1271705

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
Methylene Chloride	U		1.07	2.50	1	04/25/2019 16:08	WG1271705
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/25/2019 16:08	WG1271705
Methyl tert-butyl ether	U		0.102	0.500	1	04/25/2019 16:08	WG1271705
Naphthalene	U		0.174	2.50	1	04/25/2019 16:08	WG1271705
n-Propylbenzene	U		0.162	0.500	1	04/25/2019 16:08	WG1271705
Styrene	U		0.117	0.500	1	04/25/2019 16:08	WG1271705
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/25/2019 16:08	WG1271705
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/25/2019 16:08	WG1271705
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/25/2019 16:08	WG1271705
Tetrachloroethene	U		0.199	0.500	1	04/25/2019 16:08	WG1271705
Toluene	U		0.412	0.500	1	04/25/2019 16:08	WG1271705
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/25/2019 16:08	WG1271705
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/25/2019 16:08	WG1271705
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/25/2019 16:08	WG1271705
1,1,2-Trichloroethane	U		0.186	0.500	1	04/25/2019 16:08	WG1271705
Trichloroethene	U		0.153	0.500	1	04/25/2019 16:08	WG1271705
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/25/2019 16:08	WG1271705
1,2,3-Trichloropropane	U		0.247	2.50	1	04/25/2019 16:08	WG1271705
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/25/2019 16:08	WG1271705
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/25/2019 16:08	WG1271705
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/25/2019 16:08	WG1271705
Vinyl acetate	U		0.645	5.00	1	04/25/2019 16:08	WG1271705
Vinyl chloride	U	J0	0.118	0.500	1	04/25/2019 16:08	WG1271705
Xylenes, Total	U		0.316	1.50	1	04/25/2019 16:08	WG1271705
(S) Toluene-d8	*100*			*80.0-120*		*04/25/2019 16:08*	WG1271705
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*04/25/2019 16:08*	WG1271705
(S) 1,2-Dichloroethane-d4	*92.3*			*70.0-130*		*04/25/2019 16:08*	WG1271705

Method Blank (MB)

(MB) R3406989-1 04/30/19 16:41

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Alkalinity	3360	J	2710	20000

Sample Narrative:

BLANK: Endpoint pH 4.5

L1091944-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1091944-01 04/30/19 16:47 • (DUP) R3406989-2 04/30/19 16:54

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	302000	304000	1	0.663		20

Sample Narrative:

OS: Endpoint pH 4.5 headspace

DUP: Endpoint pH 4.5

L1092381-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1092381-01 04/30/19 19:25 • (DUP) R3406989-4 04/30/19 19:32

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	1540000	1520000	1	1.19		20

Sample Narrative:

OS: Endpoint pH 4.5 headspace

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3406989-3 04/30/19 17:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Alkalinity	100000	102000	102	85.0-115	

Sample Narrative:

LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R3405147-1 04/24/19 16:57

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Chloride	U		51.9	1000
Nitrate	26.3	J	22.7	100
Sulfate	U		77.4	5000

L1091917-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1091917-03 04/24/19 18:23 • (DUP) R3405147-3 04/24/19 18:37

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	8410	8430	1	0.285		15
Nitrate	893	900	1	0.714		15
Sulfate	7530	7540	1	0.0770		15

L1091941-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1091941-04 04/24/19 21:44 • (DUP) R3405147-6 04/24/19 21:59

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	U	0.000	1	0.000		15
Nitrate	U	0.000	1	0.000		15
Sulfate	U	0.000	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R3405147-2 04/24/19 17:12

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40000	40200	101	80.0-120	
Nitrate	8000	8290	104	80.0-120	
Sulfate	40000	41100	103	80.0-120	

L1091917-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1091917-03 04/24/19 18:23 • (MS) R3405147-4 04/24/19 18:51 • (MSD) R3405147-5 04/24/19 19:06

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50000	8410	58800	58300	101	99.7	1	80.0-120			0.943	15
Nitrate	5000	893	5880	5830	99.6	98.7	1	80.0-120			0.777	15
Sulfate	50000	7530	57300	56700	99.5	98.4	1	80.0-120			0.931	15

L1091941-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1091941-04 04/24/19 21:44 • (MS) R3405147-7 04/24/19 22:13

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	U	50700	101	1	80.0-120	
Nitrate	5000	U	5050	101	1	80.0-120	
Sulfate	50000	U	50400	101	1	80.0-120	

Method Blank (MB)

(MB) R3405166-1 04/24/19 15:02

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	485	J	102	1000

L1091944-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1091944-05 04/24/19 17:18 • (DUP) R3405166-3 04/24/19 17:39

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	117000	121000	5	2.77		20

Laboratory Control Sample (LCS)

(LCS) R3405166-2 04/24/19 15:38

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75000	70300	93.7	85.0-115	

L1091958-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1091958-04 04/24/19 19:53 • (MS) R3405166-4 04/24/19 20:12 • (MSD) R3405166-5 04/24/19 20:31

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50000	11400	59200	58100	95.5	93.3	1	80.0-120			1.83	20

Method Blank (MB)

(MB) R3406516-1 04/30/19 00:01

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Iron	U		15.0	100
Manganese	U		0.250	5.00

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

(LCS) R3406516-2 04/30/19 00:06 • (LCSD) R3406516-3 04/30/19 00:12

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Iron	500	480	486	96.1	97.1	80.0-120			1.12	20
Manganese	50.0	45.7	46.5	91.3	93.0	80.0-120			1.80	20

L1092138-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1092138-03 04/30/19 00:17 • (MS) R3406516-5 04/30/19 00:28 • (MSD) R3406516-6 04/30/19 00:33

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Iron	500	369	842	869	94.6	100	1	75.0-125			3.23	20
Manganese	50.0	17.0	62.8	65.9	91.6	97.9	1	75.0-125			4.85	20

Method Blank (MB)

(MB) R3405596-2 04/25/19 09:45

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	U		31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*111*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3405596-1 04/25/19 08:57

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	5310	96.5	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*103*	*78.0-120*	

Method Blank (MB)

(MB) R3405886-1 04/26/19 13:31

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

L1091915-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1091915-02 04/26/19 13:40 • (DUP) R3405886-2 04/26/19 14:13

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	248	245	1	1.48		20
Ethane	U	0.000	1	0.000		20
Ethene	U	0.000	1	0.000		20

L1091952-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1091952-01 04/26/19 14:46 • (DUP) R3405886-3 04/26/19 15:02

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

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

(LCS) R3405886-4 04/26/19 15:04 • (LCSD) R3405886-5 04/26/19 15:10

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	75.7	76.9	112	113	85.0-115			1.59	20
Ethane	129	121	119	93.4	92.5	85.0-115			0.991	20
Ethene	127	120	121	94.1	95.5	85.0-115			1.51	20

Method Blank (MB)

(MB) R3406766-1 04/30/19 13:42

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

L1092207-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1092207-05 04/30/19 14:07 • (DUP) R3406766-2 04/30/19 14:40

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

L1092404-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1092404-03 04/30/19 14:51 • (DUP) R3406766-3 04/30/19 15:31

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

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

(LCS) R3406766-4 04/30/19 15:33 • (LCSD) R3406766-5 04/30/19 15:37

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	76.5	77.6	113	114	85.0-115			1.40	20

Method Blank (MB)

(MB) R3407462-1 05/02/19 08:41

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

L1092426-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1092426-09 05/02/19 09:09 • (DUP) R3407462-2 05/02/19 10:16

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

L1092440-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1092440-05 05/02/19 11:12 • (DUP) R3407462-3 05/02/19 11:36

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	1720	1710	1	0.589		20

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

(LCS) R3407462-4 05/02/19 11:40 • (LCSD) R3407462-5 05/02/19 11:52

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	77.2	77.1	114	114	85.0-115			0.205	20

Method Blank (MB)

(MB) R3406794-3 04/25/19 10:03

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) R3406794-3 04/25/19 10:03

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	0.239	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	*101*			*80.0-120*
(S) 4-Bromofluorobenzene	*105*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*94.7*			*70.0-130*

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

(LCS) R3406794-1 04/25/19 09:03 • (LCSD) R3406794-2 04/25/19 09:23

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	125	205	144	164	115	19.0-160	J4	J3	34.8	27
Acrylonitrile	125	160	156	128	125	55.0-149			2.36	20
Benzene	25.0	26.0	26.1	104	104	70.0-123			0.383	20
Bromobenzene	25.0	23.4	23.6	93.5	94.5	73.0-121			1.10	20
Bromodichloromethane	25.0	22.3	22.3	89.3	89.2	75.0-120			0.142	20
Bromochloromethane	25.0	23.5	23.3	94.2	93.0	76.0-122			1.20	20
Bromoform	25.0	26.4	27.0	106	108	68.0-132			2.26	20
Bromomethane	25.0	17.7	17.6	70.8	70.5	10.0-160			0.433	25
n-Butylbenzene	25.0	23.2	22.8	92.7	91.2	73.0-125			1.67	20
sec-Butylbenzene	25.0	23.9	23.3	95.6	93.1	75.0-125			2.69	20
tert-Butylbenzene	25.0	24.5	24.0	98.0	96.1	76.0-124			1.94	20
Carbon disulfide	25.0	28.4	31.0	113	124	61.0-128			8.82	20
Carbon tetrachloride	25.0	23.9	23.9	95.5	95.5	68.0-126			0.0359	20
Chlorobenzene	25.0	24.0	24.2	96.1	96.6	80.0-121			0.523	20
Chlorodibromomethane	25.0	23.5	24.0	94.2	96.0	77.0-125			1.90	20
Chloroethane	25.0	15.0	17.2	60.1	69.0	47.0-150			13.7	20
Chloroform	25.0	22.0	21.9	87.8	87.8	73.0-120			0.0352	20
Chloromethane	25.0	26.3	26.2	105	105	41.0-142			0.338	20
2-Chlorotoluene	25.0	23.1	22.8	92.6	91.0	76.0-123			1.66	20
4-Chlorotoluene	25.0	23.4	23.2	93.5	93.0	75.0-122			0.522	20
1,2-Dibromo-3-Chloropropane	25.0	28.4	27.7	114	111	58.0-134			2.76	20
1,2-Dibromoethane	25.0	23.3	23.7	93.0	94.8	80.0-122			1.90	20
Dibromomethane	25.0	22.7	22.5	90.7	90.0	80.0-120			0.716	20
1,2-Dichlorobenzene	25.0	23.9	23.4	95.5	93.5	79.0-121			2.08	20
1,3-Dichlorobenzene	25.0	23.5	23.2	94.0	93.0	79.0-120			1.05	20
1,4-Dichlorobenzene	25.0	22.7	22.5	91.0	89.9	79.0-120			1.15	20
Dichlorodifluoromethane	25.0	26.3	26.2	105	105	51.0-149			0.238	20
1,1-Dichloroethane	25.0	24.8	24.6	99.4	98.3	70.0-126			1.12	20
1,2-Dichloroethane	25.0	20.8	20.8	83.1	83.1	70.0-128			0.0641	20
1,1-Dichloroethene	25.0	25.0	25.4	100	102	71.0-124			1.62	20
cis-1,2-Dichloroethene	25.0	23.9	23.7	95.7	94.7	73.0-120			1.11	20
trans-1,2-Dichloroethene	25.0	24.9	24.9	99.6	99.4	73.0-120			0.115	20
1,2-Dichloropropane	25.0	26.5	26.5	106	106	77.0-125			0.267	20
1,1-Dichloropropene	25.0	24.9	24.8	99.4	99.1	74.0-126			0.298	20
1,3-Dichloropropane	25.0	24.6	25.1	98.6	100	80.0-120			1.86	20
cis-1,3-Dichloropropene	25.0	24.0	24.2	96.2	96.7	80.0-123			0.513	20
trans-1,3-Dichloropropene	25.0	23.3	23.5	93.2	94.1	78.0-124			0.936	20
trans-1,4-Dichloro-2-butene	25.0	20.7	19.7	83.0	78.6	33.0-144			5.42	20
2,2-Dichloropropane	25.0	32.0	31.4	128	126	58.0-130			2.05	20
Di-isopropyl ether	25.0	27.7	27.6	111	110	58.0-138			0.601	20

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

(LCS) R3406794-1 04/25/19 09:03 • (LCSD) R3406794-2 04/25/19 09:23

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	25.0	24.4	24.7	97.5	98.9	79.0-123			1.46	20
Hexachloro-1,3-butadiene	25.0	31.2	30.4	125	122	54.0-138			2.57	20
2-Hexanone	125	147	146	117	117	67.0-149			0.700	20
n-Hexane	25.0	29.2	28.6	117	114	57.0-133			2.29	20
Iodomethane	125	134	128	107	102	33.0-147			4.64	26
Isopropylbenzene	25.0	25.6	26.1	103	104	76.0-127			1.66	20
p-Isopropyltoluene	25.0	24.2	23.8	96.8	95.1	76.0-125			1.85	20
2-Butanone (MEK)	125	165	156	132	125	44.0-160			5.34	20
Methylene Chloride	25.0	24.7	24.5	98.8	98.1	67.0-120			0.726	20
4-Methyl-2-pentanone (MIBK)	125	143	142	114	114	68.0-142			0.369	20
Methyl tert-butyl ether	25.0	23.7	23.4	94.7	93.6	68.0-125			1.16	20
Naphthalene	25.0	25.1	24.5	100	98.1	54.0-135			2.40	20
n-Propylbenzene	25.0	23.0	23.0	92.1	91.9	77.0-124			0.261	20
Styrene	25.0	26.6	27.4	106	110	73.0-130			3.12	20
1,1,1,2-Tetrachloroethane	25.0	24.1	24.0	96.2	96.2	75.0-125			0.0553	20
1,1,2,2-Tetrachloroethane	25.0	22.8	22.7	91.3	90.8	65.0-130			0.553	20
1,1,2-Trichlorotrifluoroethane	25.0	23.4	24.1	93.6	96.5	69.0-132			3.14	20
Tetrachloroethene	25.0	25.8	25.8	103	103	72.0-132			0.287	20
Toluene	25.0	25.9	26.1	103	104	79.0-120			0.981	20
1,2,3-Trichlorobenzene	25.0	25.7	24.4	103	97.5	50.0-138			5.36	20
1,2,4-Trichlorobenzene	25.0	26.6	25.2	107	101	57.0-137			5.53	20
1,1,1-Trichloroethane	25.0	23.7	23.8	94.9	95.3	73.0-124			0.433	20
1,1,2-Trichloroethane	25.0	22.8	22.6	91.3	90.4	80.0-120			0.971	20
Trichloroethene	25.0	25.1	25.2	100	101	78.0-124			0.572	20
Trichlorofluoromethane	25.0	15.2	16.5	60.9	65.9	59.0-147			7.93	20
1,2,3-Trichloropropane	25.0	21.1	20.9	84.4	83.5	73.0-130			1.11	20
1,2,4-Trimethylbenzene	25.0	22.8	22.6	91.2	90.5	76.0-121			0.774	20
1,2,3-Trimethylbenzene	25.0	22.4	21.8	89.8	87.2	77.0-120			2.96	20
1,3,5-Trimethylbenzene	25.0	23.4	22.6	93.5	90.5	76.0-122			3.16	20
Vinyl acetate	125	119	120	95.4	95.7	11.0-160			0.361	20
Vinyl chloride	25.0	17.8	17.9	71.3	71.7	67.0-131			0.499	20
Xylenes, Total	75.0	74.9	75.0	99.9	100	79.0-123			0.133	20
(S) Toluene-d8				*101*	*100*	*80.0-120*				
(S) 4-Bromofluorobenzene				*105*	*107*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*92.7*	*99.9*	*70.0-130*				

Method Blank (MB)

(MB) R3406890-2 05/01/19 01:15

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
cis-1,2-Dichloroethene	U		0.0933	0.500
(S) Toluene-d8	*104*			*80.0-120*
(S) 4-Bromofluorobenzene	*98.3*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3406890-1 05/01/19 00:32

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
cis-1,2-Dichloroethene	25.0	29.9	120	73.0-120	
(S) Toluene-d8			*102*	*80.0-120*	
(S) 4-Bromofluorobenzene			*100*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*103*	*70.0-130*	

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: The identification of the analyte is acceptable, but the reported concentration is an estimate. The calibration met method criteria.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

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

State Accreditations

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

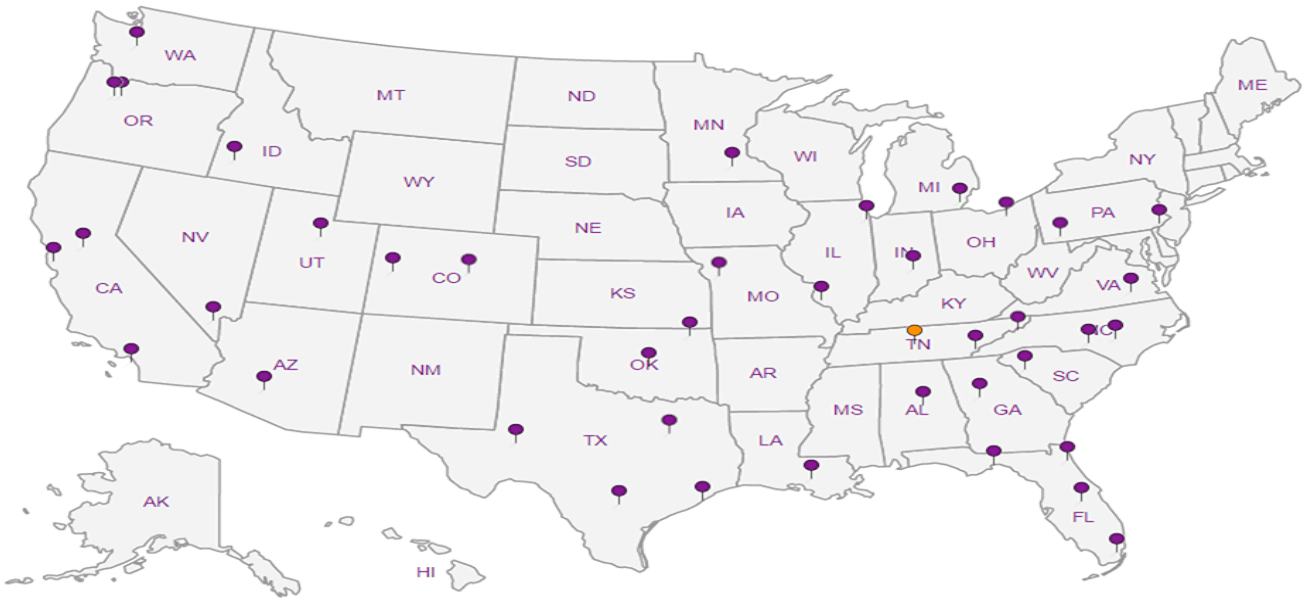
Third Party Federal Accreditations

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

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

Our Locations

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



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com; KUIK@PESENV.com; bhaldeman@pesenv.com; KSPRINGSTEAD@PESENV.com

Project Description: American Linen

City/State Collected: Seattle, WA

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

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): Ben Hecht / K. Zygas

Site/Facility ID # American Linen

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

Chain of Custody Page 1 of 1

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L # L1091958

Table #

Acctnum: PESENVSWA
Template: T146397
Prelogin: P694557
TSR: 110 - Brian Ford
PB: 2/15/19 mc

Shipped Via: FedEX Ground

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	NWTPHGX 40mlAmb HCl	VOCs (V8260LLC) 40mlAmb-HCl	RSK-175 Low Level	Alkalinity	ICPMS - Fe / Mn / Manganese	IC - Chloride / Nitrate	TOC	Remarks	Sample # (lab only)
(KZ) MW-103-042219	Grab	GW	108	4-22-19		3		X							
(KZ) MW111-042219	Grab	GW	75	4-22-19		3		X							
W-MW-02-042319		GW	75	4-23-19	0745	12	X	X	X	X	X	X	X		-01
(KZ) MW104-042319		GW	75		0835	12	X	X	X	X	X	X	X		
BB-8-042319		GW	35		1005	12	X	X	X	X	X	X	X		-02
(KZ) MW105-042319		GW	135		1035	12	X	X	X	X	X	X	X		
MW-155-042319		GW	25		11:45	12	X	X	X	X	X	X	X		-03
(KZ) MW147-042319		GW	75		1400	12	X	X	X	X	X	X	X		
MW144-042319	↓	GW	45	↓	1405	12	X	X	X	X	X	X	X		-04
TRIP BLANK-042319	—	GW	-	-	-		X	X							-05

RAD SCREEN: <0.5 mR/hr

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

Remarks: Tier 2 QA/QC for all

pH _____ Temp _____
Flow _____ Other _____

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

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

Tracking # 487610869 90

Trip Blank Received: Yes / No HCl / MeoH TBR

Temp: 0.7+0.1=0.8°C Bottles Received: 4 48

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	23 April 2019	1500	
Relinquished by : (Signature)	Date: 04-23-19	Time: 1700	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Date: 4/24/19 Time: 0845

Brian Ford

From: Kim Vik <KVik@pesenv.com>
Sent: Wednesday, April 24, 2019 11:51 AM
To: Brian Ford
Cc: Bill Haldeman; Karsten Springstead
Subject: American Linen - Groundwater Samples - COC - CORRECTION
Attachments: COC_20190424.pdf

Importance: High

Hi Brian,
I was reviewing the COC for the samples that were shipped to you yesterday (see attached) and I need to make some corrections. They are shown on the mark up attached, but will write them here too:

Sample MW-155-042319 should be analyzed for VOCs and gasoline only
Sample MW103-042219 should be analyzed for VOCs only
Sample MW111-042219 should be analyzed for VOCs only
Sample MW104-042319 should also be analyzed for gasoline (add that analysis)
Sample MW105-042319 should also be analyzed for gasoline (add that analysis)
Sample MW147-042319 should also be analyzed for gasoline (add that analysis)

Let me know if you have any questions.

Thanks!

Kim Vik, L.G.
Senior Geologist

PES Environmental, Inc.
1215 Fourth Avenue, Suite 1350
Seattle, Washington 98161-1012
kvik@pesenv.com

Office: (206) 529-3980, Ext. 110

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

May 03, 2019

PES Environmental, Inc.- WA

Sample Delivery Group:	L1092400
Samples Received:	04/25/2019
Project Number:	1413.001.05.601
Description:	American Linen
Site:	AMERICAN LINEN
Report To:	Brian O'Neal/Bill Haldeman
	1215 Fourth Ave., Suite 1350
	Seattle, WA 98161

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



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MW-909-042419 L1092400-01 GW

Collected by: Ben Hecht | Collected date/time: 04/24/19 08:00 | Received date/time: 04/25/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1273429	1	04/30/19 14:55	04/30/19 14:55	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1271706	1	04/26/19 02:48	04/26/19 02:48	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1272243	1	04/29/19 19:31	04/29/19 19:31	EEM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1271843	1	04/26/19 07:59	04/29/19 15:46	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1271843	5	04/26/19 07:59	04/29/19 17:16	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1272107	1	04/26/19 02:05	04/26/19 02:05	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1272501	1	05/02/19 14:17	05/02/19 14:17	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1271705	1	04/25/19 18:49	04/25/19 18:49	BMB	Mt. Juliet, TN

MW-146-042419 L1092400-02 GW

Collected by: Ben Hecht | Collected date/time: 04/24/19 09:55 | Received date/time: 04/25/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1273429	1	04/30/19 15:03	04/30/19 15:03	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1271706	1	04/26/19 02:59	04/26/19 02:59	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1272243	1	04/29/19 19:49	04/29/19 19:49	EEM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1271843	5	04/26/19 07:59	04/29/19 17:21	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1272107	1	04/26/19 02:29	04/26/19 02:29	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1272501	1	05/02/19 14:20	05/02/19 14:20	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1271705	1	04/25/19 19:09	04/25/19 19:09	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1274056	10	05/01/19 03:04	05/01/19 03:04	JHH	Mt. Juliet, TN

MW-154-042419 L1092400-03 GW

Collected by: Ben Hecht | Collected date/time: 04/24/19 11:40 | Received date/time: 04/25/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1272107	1	04/26/19 02:53	04/26/19 02:53	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1271705	1	04/25/19 19:29	04/25/19 19:29	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1274056	1	05/01/19 01:58	05/01/19 01:58	JHH	Mt. Juliet, TN

MW-153-042419 L1092400-04 GW

Collected by: Ben Hecht | Collected date/time: 04/24/19 12:55 | Received date/time: 04/25/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1273429	1	04/30/19 15:10	04/30/19 15:10	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1271706	1	04/26/19 03:10	04/26/19 03:10	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1272243	1	04/29/19 20:49	04/29/19 20:49	EEM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1271843	5	04/26/19 07:59	04/29/19 17:27	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1272107	1	04/26/19 03:17	04/26/19 03:17	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1272501	1	05/02/19 15:36	05/02/19 15:36	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1271705	1	04/25/19 19:49	04/25/19 19:49	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1274056	1	05/01/19 02:20	05/01/19 02:20	JHH	Mt. Juliet, TN

TRIP BLANK-042419 L1092400-05 GW

Collected by: Ben Hecht | Collected date/time: 04/24/19 00:00 | Received date/time: 04/25/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1272107	1	04/26/19 01:41	04/26/19 01:41	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1271705	1	04/25/19 16:28	04/25/19 16:28	BMB	Mt. Juliet, TN

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



Jared Starkey
Project Manager

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	170000		2710	20000	1	04/30/2019 14:55	WG1273429

Sample Narrative:
L1092400-01 WG1273429: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	9160		51.9	1000	1	04/26/2019 02:48	WG1271706
Nitrate	U		22.7	100	1	04/26/2019 02:48	WG1271706
Sulfate	8910		77.4	5000	1	04/26/2019 02:48	WG1271706

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	4620	B	102	1000	1	04/29/2019 19:31	WG1272243

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1590		15.0	100	1	04/29/2019 15:46	WG1271843
Manganese	305		1.25	25.0	5	04/29/2019 17:16	WG1271843

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/26/2019 02:05	WG1272107
(S) a,a,a-Trifluorotoluene(FID)	*111*			*78.0-120*		*04/26/2019 02:05*	WG1272107

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	434		0.287	0.678	1	05/02/2019 14:17	WG1272501
Ethane	U		0.296	1.29	1	05/02/2019 14:17	WG1272501
Ethene	U		0.422	1.27	1	05/02/2019 14:17	WG1272501

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	2.21	J J0 J3 J4	1.05	25.0	1	04/25/2019 18:49	WG1271705
Acrylonitrile	U		0.873	5.00	1	04/25/2019 18:49	WG1271705
Benzene	U		0.0896	0.500	1	04/25/2019 18:49	WG1271705
Bromobenzene	U		0.133	0.500	1	04/25/2019 18:49	WG1271705
Bromodichloromethane	U		0.0800	0.500	1	04/25/2019 18:49	WG1271705
Bromochloromethane	U		0.145	0.500	1	04/25/2019 18:49	WG1271705
Bromoform	U		0.186	0.500	1	04/25/2019 18:49	WG1271705
Bromomethane	U	J0	0.157	2.50	1	04/25/2019 18:49	WG1271705
n-Butylbenzene	U		0.143	0.500	1	04/25/2019 18:49	WG1271705
sec-Butylbenzene	U		0.134	0.500	1	04/25/2019 18:49	WG1271705
tert-Butylbenzene	U		0.183	0.500	1	04/25/2019 18:49	WG1271705
Carbon disulfide	0.303	J	0.101	0.500	1	04/25/2019 18:49	WG1271705
Carbon tetrachloride	U		0.159	0.500	1	04/25/2019 18:49	WG1271705

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/25/2019 18:49	WG1271705
Chlorodibromomethane	U		0.128	0.500	1	04/25/2019 18:49	WG1271705
Chloroethane	U	J0	0.141	2.50	1	04/25/2019 18:49	WG1271705
Chloroform	U		0.0860	0.500	1	04/25/2019 18:49	WG1271705
Chloromethane	U		0.153	1.25	1	04/25/2019 18:49	WG1271705
2-Chlorotoluene	U		0.111	0.500	1	04/25/2019 18:49	WG1271705
4-Chlorotoluene	U		0.0972	0.500	1	04/25/2019 18:49	WG1271705
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/25/2019 18:49	WG1271705
1,2-Dibromoethane	U		0.193	0.500	1	04/25/2019 18:49	WG1271705
Dibromomethane	U		0.117	0.500	1	04/25/2019 18:49	WG1271705
1,2-Dichlorobenzene	U		0.101	0.500	1	04/25/2019 18:49	WG1271705
1,3-Dichlorobenzene	U		0.130	0.500	1	04/25/2019 18:49	WG1271705
1,4-Dichlorobenzene	U		0.121	0.500	1	04/25/2019 18:49	WG1271705
Dichlorodifluoromethane	U		0.127	2.50	1	04/25/2019 18:49	WG1271705
1,1-Dichloroethane	U		0.114	0.500	1	04/25/2019 18:49	WG1271705
1,2-Dichloroethane	U		0.108	0.500	1	04/25/2019 18:49	WG1271705
1,1-Dichloroethene	U		0.188	0.500	1	04/25/2019 18:49	WG1271705
cis-1,2-Dichloroethene	0.975		0.0933	0.500	1	04/25/2019 18:49	WG1271705
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/25/2019 18:49	WG1271705
1,2-Dichloropropane	U		0.190	0.500	1	04/25/2019 18:49	WG1271705
1,1-Dichloropropene	U		0.128	0.500	1	04/25/2019 18:49	WG1271705
1,3-Dichloropropane	U		0.147	1.00	1	04/25/2019 18:49	WG1271705
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/25/2019 18:49	WG1271705
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/25/2019 18:49	WG1271705
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/25/2019 18:49	WG1271705
2,2-Dichloropropane	U		0.0929	0.500	1	04/25/2019 18:49	WG1271705
Di-isopropyl ether	U		0.0924	0.500	1	04/25/2019 18:49	WG1271705
Ethylbenzene	U		0.158	0.500	1	04/25/2019 18:49	WG1271705
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/25/2019 18:49	WG1271705
2-Hexanone	U		0.757	5.00	1	04/25/2019 18:49	WG1271705
n-Hexane	U		0.305	5.00	1	04/25/2019 18:49	WG1271705
Iodomethane	U		0.377	10.0	1	04/25/2019 18:49	WG1271705
Isopropylbenzene	U		0.126	0.500	1	04/25/2019 18:49	WG1271705
p-Isopropyltoluene	U		0.138	0.500	1	04/25/2019 18:49	WG1271705
2-Butanone (MEK)	U		1.28	5.00	1	04/25/2019 18:49	WG1271705
Methylene Chloride	U		1.07	2.50	1	04/25/2019 18:49	WG1271705
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/25/2019 18:49	WG1271705
Methyl tert-butyl ether	U		0.102	0.500	1	04/25/2019 18:49	WG1271705
Naphthalene	U		0.174	2.50	1	04/25/2019 18:49	WG1271705
n-Propylbenzene	U		0.162	0.500	1	04/25/2019 18:49	WG1271705
Styrene	U		0.117	0.500	1	04/25/2019 18:49	WG1271705
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/25/2019 18:49	WG1271705
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/25/2019 18:49	WG1271705
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/25/2019 18:49	WG1271705
Tetrachloroethene	U		0.199	0.500	1	04/25/2019 18:49	WG1271705
Toluene	U		0.412	0.500	1	04/25/2019 18:49	WG1271705
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/25/2019 18:49	WG1271705
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/25/2019 18:49	WG1271705
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/25/2019 18:49	WG1271705
1,1,2-Trichloroethane	U		0.186	0.500	1	04/25/2019 18:49	WG1271705
Trichloroethene	U		0.153	0.500	1	04/25/2019 18:49	WG1271705
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/25/2019 18:49	WG1271705
1,2,3-Trichloropropane	U		0.247	2.50	1	04/25/2019 18:49	WG1271705
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/25/2019 18:49	WG1271705
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/25/2019 18:49	WG1271705
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/25/2019 18:49	WG1271705

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

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/25/2019 18:49	WG1271705
Vinyl chloride	1.66	J0	0.118	0.500	1	04/25/2019 18:49	WG1271705
Xylenes, Total	U		0.316	1.50	1	04/25/2019 18:49	WG1271705
(S) Toluene-d8	*101*			*80.0-120*		*04/25/2019 18:49*	WG1271705
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*04/25/2019 18:49*	WG1271705
(S) 1,2-Dichloroethane-d4	*93.8*			*70.0-130*		*04/25/2019 18:49*	WG1271705

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	310000		2710	20000	1	04/30/2019 15:03	WG1273429

Sample Narrative:
L1092400-02 WG1273429: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	14800		51.9	1000	1	04/26/2019 02:59	WG1271706
Nitrate	U		22.7	100	1	04/26/2019 02:59	WG1271706
Sulfate	23300		77.4	5000	1	04/26/2019 02:59	WG1271706

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	4950	B	102	1000	1	04/29/2019 19:49	WG1272243

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2870		75.0	500	5	04/29/2019 17:21	WG1271843
Manganese	770		1.25	25.0	5	04/29/2019 17:21	WG1271843

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	88.0	J	31.6	100	1	04/26/2019 02:29	WG1272107
(S) a,a,a-Trifluorotoluene(FID)	*111*			*78.0-120*		*04/26/2019 02:29*	WG1272107

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	5090		0.287	0.678	1	05/02/2019 14:20	WG1272501
Ethane	4.00		0.296	1.29	1	05/02/2019 14:20	WG1272501
Ethene	347		0.422	1.27	1	05/02/2019 14:20	WG1272501

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	1.58	J J0 J3 J4	1.05	25.0	1	04/25/2019 19:09	WG1271705
Acrylonitrile	U		0.873	5.00	1	04/25/2019 19:09	WG1271705
Benzene	U		0.0896	0.500	1	04/25/2019 19:09	WG1271705
Bromobenzene	U		0.133	0.500	1	04/25/2019 19:09	WG1271705
Bromodichloromethane	U		0.0800	0.500	1	04/25/2019 19:09	WG1271705
Bromochloromethane	U		0.145	0.500	1	04/25/2019 19:09	WG1271705
Bromoform	U		0.186	0.500	1	04/25/2019 19:09	WG1271705
Bromomethane	U	J0	0.157	2.50	1	04/25/2019 19:09	WG1271705
n-Butylbenzene	U		0.143	0.500	1	04/25/2019 19:09	WG1271705
sec-Butylbenzene	U		0.134	0.500	1	04/25/2019 19:09	WG1271705
tert-Butylbenzene	U		0.183	0.500	1	04/25/2019 19:09	WG1271705
Carbon disulfide	U		0.101	0.500	1	04/25/2019 19:09	WG1271705
Carbon tetrachloride	U		0.159	0.500	1	04/25/2019 19:09	WG1271705

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/25/2019 19:09	WG1271705
Chlorodibromomethane	U		0.128	0.500	1	04/25/2019 19:09	WG1271705
Chloroethane	0.719	J J0	0.141	2.50	1	04/25/2019 19:09	WG1271705
Chloroform	U		0.0860	0.500	1	04/25/2019 19:09	WG1271705
Chloromethane	U		0.153	1.25	1	04/25/2019 19:09	WG1271705
2-Chlorotoluene	U		0.111	0.500	1	04/25/2019 19:09	WG1271705
4-Chlorotoluene	U		0.0972	0.500	1	04/25/2019 19:09	WG1271705
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/25/2019 19:09	WG1271705
1,2-Dibromoethane	U		0.193	0.500	1	04/25/2019 19:09	WG1271705
Dibromomethane	U		0.117	0.500	1	04/25/2019 19:09	WG1271705
1,2-Dichlorobenzene	U		0.101	0.500	1	04/25/2019 19:09	WG1271705
1,3-Dichlorobenzene	U		0.130	0.500	1	04/25/2019 19:09	WG1271705
1,4-Dichlorobenzene	U		0.121	0.500	1	04/25/2019 19:09	WG1271705
Dichlorodifluoromethane	U		0.127	2.50	1	04/25/2019 19:09	WG1271705
1,1-Dichloroethane	U		0.114	0.500	1	04/25/2019 19:09	WG1271705
1,2-Dichloroethane	U		0.108	0.500	1	04/25/2019 19:09	WG1271705
1,1-Dichloroethene	1.04		0.188	0.500	1	04/25/2019 19:09	WG1271705
cis-1,2-Dichloroethene	257		0.933	5.00	10	05/01/2019 03:04	WG1274056
trans-1,2-Dichloroethene	1.94		0.152	0.500	1	04/25/2019 19:09	WG1271705
1,2-Dichloropropane	U		0.190	0.500	1	04/25/2019 19:09	WG1271705
1,1-Dichloropropene	U		0.128	0.500	1	04/25/2019 19:09	WG1271705
1,3-Dichloropropane	U		0.147	1.00	1	04/25/2019 19:09	WG1271705
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/25/2019 19:09	WG1271705
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/25/2019 19:09	WG1271705
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/25/2019 19:09	WG1271705
2,2-Dichloropropane	U		0.0929	0.500	1	04/25/2019 19:09	WG1271705
Di-isopropyl ether	U		0.0924	0.500	1	04/25/2019 19:09	WG1271705
Ethylbenzene	U		0.158	0.500	1	04/25/2019 19:09	WG1271705
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/25/2019 19:09	WG1271705
2-Hexanone	U		0.757	5.00	1	04/25/2019 19:09	WG1271705
n-Hexane	U		0.305	5.00	1	04/25/2019 19:09	WG1271705
Iodomethane	U		0.377	10.0	1	04/25/2019 19:09	WG1271705
Isopropylbenzene	U		0.126	0.500	1	04/25/2019 19:09	WG1271705
p-Isopropyltoluene	U		0.138	0.500	1	04/25/2019 19:09	WG1271705
2-Butanone (MEK)	U		1.28	5.00	1	04/25/2019 19:09	WG1271705
Methylene Chloride	U		1.07	2.50	1	04/25/2019 19:09	WG1271705
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/25/2019 19:09	WG1271705
Methyl tert-butyl ether	U		0.102	0.500	1	04/25/2019 19:09	WG1271705
Naphthalene	U		0.174	2.50	1	04/25/2019 19:09	WG1271705
n-Propylbenzene	U		0.162	0.500	1	04/25/2019 19:09	WG1271705
Styrene	U		0.117	0.500	1	04/25/2019 19:09	WG1271705
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/25/2019 19:09	WG1271705
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/25/2019 19:09	WG1271705
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/25/2019 19:09	WG1271705
Tetrachloroethene	1.50		0.199	0.500	1	04/25/2019 19:09	WG1271705
Toluene	U		0.412	0.500	1	04/25/2019 19:09	WG1271705
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/25/2019 19:09	WG1271705
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/25/2019 19:09	WG1271705
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/25/2019 19:09	WG1271705
1,1,2-Trichloroethane	U		0.186	0.500	1	04/25/2019 19:09	WG1271705
Trichloroethene	12.4		0.153	0.500	1	04/25/2019 19:09	WG1271705
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/25/2019 19:09	WG1271705
1,2,3-Trichloropropane	U		0.247	2.50	1	04/25/2019 19:09	WG1271705
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/25/2019 19:09	WG1271705
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/25/2019 19:09	WG1271705
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/25/2019 19:09	WG1271705

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/25/2019 19:09	WG1271705
Vinyl chloride	383		1.18	5.00	10	05/01/2019 03:04	WG1274056
Xylenes, Total	U		0.316	1.50	1	04/25/2019 19:09	WG1271705
(S) Toluene-d8	*97.1*			*80.0-120*		*04/25/2019 19:09*	WG1271705
(S) Toluene-d8	*103*			*80.0-120*		*05/01/2019 03:04*	WG1274056
(S) 4-Bromofluorobenzene	*99.8*			*77.0-126*		*04/25/2019 19:09*	WG1271705
(S) 4-Bromofluorobenzene	*99.5*			*77.0-126*		*05/01/2019 03:04*	WG1274056
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*04/25/2019 19:09*	WG1271705
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*05/01/2019 03:04*	WG1274056

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/26/2019 02:53	WG1272107
(S) a,a,a-Trifluorotoluene(FID)	*111*			*78.0-120*		*04/26/2019 02:53*	WG1272107

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	2.68	J J0 J3 J4	1.05	25.0	1	04/25/2019 19:29	WG1271705
Acrylonitrile	U		0.873	5.00	1	04/25/2019 19:29	WG1271705
Benzene	U		0.0896	0.500	1	04/25/2019 19:29	WG1271705
Bromobenzene	U		0.133	0.500	1	04/25/2019 19:29	WG1271705
Bromodichloromethane	U		0.0800	0.500	1	04/25/2019 19:29	WG1271705
Bromochloromethane	U		0.145	0.500	1	04/25/2019 19:29	WG1271705
Bromoform	U		0.186	0.500	1	04/25/2019 19:29	WG1271705
Bromomethane	U	J0	0.157	2.50	1	04/25/2019 19:29	WG1271705
n-Butylbenzene	U		0.143	0.500	1	04/25/2019 19:29	WG1271705
sec-Butylbenzene	U		0.134	0.500	1	04/25/2019 19:29	WG1271705
tert-Butylbenzene	U		0.183	0.500	1	04/25/2019 19:29	WG1271705
Carbon disulfide	U		0.101	0.500	1	04/25/2019 19:29	WG1271705
Carbon tetrachloride	U		0.159	0.500	1	04/25/2019 19:29	WG1271705
Chlorobenzene	U		0.140	0.500	1	04/25/2019 19:29	WG1271705
Chlorodibromomethane	U		0.128	0.500	1	04/25/2019 19:29	WG1271705
Chloroethane	0.369	J J0	0.141	2.50	1	04/25/2019 19:29	WG1271705
Chloroform	U		0.0860	0.500	1	04/25/2019 19:29	WG1271705
Chloromethane	U		0.153	1.25	1	04/25/2019 19:29	WG1271705
2-Chlorotoluene	U		0.111	0.500	1	04/25/2019 19:29	WG1271705
4-Chlorotoluene	U		0.0972	0.500	1	04/25/2019 19:29	WG1271705
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/25/2019 19:29	WG1271705
1,2-Dibromoethane	U		0.193	0.500	1	04/25/2019 19:29	WG1271705
Dibromomethane	U		0.117	0.500	1	04/25/2019 19:29	WG1271705
1,2-Dichlorobenzene	U		0.101	0.500	1	04/25/2019 19:29	WG1271705
1,3-Dichlorobenzene	U		0.130	0.500	1	04/25/2019 19:29	WG1271705
1,4-Dichlorobenzene	U		0.121	0.500	1	04/25/2019 19:29	WG1271705
Dichlorodifluoromethane	U		0.127	2.50	1	04/25/2019 19:29	WG1271705
1,1-Dichloroethane	U		0.114	0.500	1	04/25/2019 19:29	WG1271705
1,2-Dichloroethane	U		0.108	0.500	1	04/25/2019 19:29	WG1271705
1,1-Dichloroethene	U		0.188	0.500	1	04/25/2019 19:29	WG1271705
cis-1,2-Dichloroethene	1.76		0.0933	0.500	1	05/01/2019 01:58	WG1274056
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/25/2019 19:29	WG1271705
1,2-Dichloropropane	U		0.190	0.500	1	04/25/2019 19:29	WG1271705
1,1-Dichloropropene	U		0.128	0.500	1	04/25/2019 19:29	WG1271705
1,3-Dichloropropane	U		0.147	1.00	1	04/25/2019 19:29	WG1271705
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/25/2019 19:29	WG1271705
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/25/2019 19:29	WG1271705
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/25/2019 19:29	WG1271705
2,2-Dichloropropane	U		0.0929	0.500	1	04/25/2019 19:29	WG1271705
Di-isopropyl ether	U		0.0924	0.500	1	04/25/2019 19:29	WG1271705
Ethylbenzene	U		0.158	0.500	1	04/25/2019 19:29	WG1271705
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/25/2019 19:29	WG1271705
2-Hexanone	U		0.757	5.00	1	04/25/2019 19:29	WG1271705
n-Hexane	U		0.305	5.00	1	04/25/2019 19:29	WG1271705
Iodomethane	U		0.377	10.0	1	04/25/2019 19:29	WG1271705
Isopropylbenzene	U		0.126	0.500	1	04/25/2019 19:29	WG1271705
p-Isopropyltoluene	U		0.138	0.500	1	04/25/2019 19:29	WG1271705
2-Butanone (MEK)	U		1.28	5.00	1	04/25/2019 19:29	WG1271705

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/25/2019 19:29	WG1271705
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/25/2019 19:29	WG1271705
Methyl tert-butyl ether	U		0.102	0.500	1	04/25/2019 19:29	WG1271705
Naphthalene	U		0.174	2.50	1	04/25/2019 19:29	WG1271705
n-Propylbenzene	U		0.162	0.500	1	04/25/2019 19:29	WG1271705
Styrene	U		0.117	0.500	1	04/25/2019 19:29	WG1271705
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/25/2019 19:29	WG1271705
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/25/2019 19:29	WG1271705
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/25/2019 19:29	WG1271705
Tetrachloroethene	1.02		0.199	0.500	1	04/25/2019 19:29	WG1271705
Toluene	U		0.412	0.500	1	04/25/2019 19:29	WG1271705
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/25/2019 19:29	WG1271705
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/25/2019 19:29	WG1271705
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/25/2019 19:29	WG1271705
1,1,2-Trichloroethane	U		0.186	0.500	1	04/25/2019 19:29	WG1271705
Trichloroethene	0.214	J	0.153	0.500	1	04/25/2019 19:29	WG1271705
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/25/2019 19:29	WG1271705
1,2,3-Trichloropropane	U		0.247	2.50	1	04/25/2019 19:29	WG1271705
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/25/2019 19:29	WG1271705
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/25/2019 19:29	WG1271705
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/25/2019 19:29	WG1271705
Vinyl acetate	U		0.645	5.00	1	04/25/2019 19:29	WG1271705
Vinyl chloride	0.797		0.118	0.500	1	05/01/2019 01:58	WG1274056
Xylenes, Total	U		0.316	1.50	1	04/25/2019 19:29	WG1271705
(S) Toluene-d8	*94.9*			*80.0-120*		*04/25/2019 19:29*	WG1271705
(S) Toluene-d8	*103*			*80.0-120*		*05/01/2019 01:58*	WG1274056
(S) 4-Bromofluorobenzene	*98.6*			*77.0-126*		*04/25/2019 19:29*	WG1271705
(S) 4-Bromofluorobenzene	*99.7*			*77.0-126*		*05/01/2019 01:58*	WG1274056
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*04/25/2019 19:29*	WG1271705
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*05/01/2019 01:58*	WG1274056

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	174000		2710	20000	1	04/30/2019 15:10	WG1273429

Sample Narrative:

L1092400-04 WG1273429: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	9400		51.9	1000	1	04/26/2019 03:10	WG1271706
Nitrate	U		22.7	100	1	04/26/2019 03:10	WG1271706
Sulfate	9230		77.4	5000	1	04/26/2019 03:10	WG1271706

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	3860	B	102	1000	1	04/29/2019 20:49	WG1272243

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3600		75.0	500	5	04/29/2019 17:27	WG1271843
Manganese	385		1.25	25.0	5	04/29/2019 17:27	WG1271843

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/26/2019 03:17	WG1272107
(S) a,a,a-Trifluorotoluene(FID)	*111*			*78.0-120*		*04/26/2019 03:17*	WG1272107

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	412		0.287	0.678	1	05/02/2019 15:36	WG1272501
Ethane	U		0.296	1.29	1	05/02/2019 15:36	WG1272501
Ethene	1.79		0.422	1.27	1	05/02/2019 15:36	WG1272501

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	3.82	J J0 J3 J4	1.05	25.0	1	04/25/2019 19:49	WG1271705
Acrylonitrile	U		0.873	5.00	1	04/25/2019 19:49	WG1271705
Benzene	U		0.0896	0.500	1	04/25/2019 19:49	WG1271705
Bromobenzene	U		0.133	0.500	1	04/25/2019 19:49	WG1271705
Bromodichloromethane	U		0.0800	0.500	1	04/25/2019 19:49	WG1271705
Bromochloromethane	U		0.145	0.500	1	04/25/2019 19:49	WG1271705
Bromoform	U		0.186	0.500	1	04/25/2019 19:49	WG1271705
Bromomethane	U	J0	0.157	2.50	1	04/25/2019 19:49	WG1271705
n-Butylbenzene	U		0.143	0.500	1	04/25/2019 19:49	WG1271705
sec-Butylbenzene	U		0.134	0.500	1	04/25/2019 19:49	WG1271705
tert-Butylbenzene	U		0.183	0.500	1	04/25/2019 19:49	WG1271705
Carbon disulfide	0.394	J	0.101	0.500	1	04/25/2019 19:49	WG1271705
Carbon tetrachloride	U		0.159	0.500	1	04/25/2019 19:49	WG1271705

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/25/2019 19:49	WG1271705
Chlorodibromomethane	U		0.128	0.500	1	04/25/2019 19:49	WG1271705
Chloroethane	U	J0	0.141	2.50	1	04/25/2019 19:49	WG1271705
Chloroform	U		0.0860	0.500	1	04/25/2019 19:49	WG1271705
Chloromethane	U		0.153	1.25	1	04/25/2019 19:49	WG1271705
2-Chlorotoluene	U		0.111	0.500	1	04/25/2019 19:49	WG1271705
4-Chlorotoluene	U		0.0972	0.500	1	04/25/2019 19:49	WG1271705
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/25/2019 19:49	WG1271705
1,2-Dibromoethane	U		0.193	0.500	1	04/25/2019 19:49	WG1271705
Dibromomethane	U		0.117	0.500	1	04/25/2019 19:49	WG1271705
1,2-Dichlorobenzene	U		0.101	0.500	1	04/25/2019 19:49	WG1271705
1,3-Dichlorobenzene	U		0.130	0.500	1	04/25/2019 19:49	WG1271705
1,4-Dichlorobenzene	U		0.121	0.500	1	04/25/2019 19:49	WG1271705
Dichlorodifluoromethane	U		0.127	2.50	1	04/25/2019 19:49	WG1271705
1,1-Dichloroethane	U		0.114	0.500	1	04/25/2019 19:49	WG1271705
1,2-Dichloroethane	U		0.108	0.500	1	04/25/2019 19:49	WG1271705
1,1-Dichloroethene	U		0.188	0.500	1	04/25/2019 19:49	WG1271705
cis-1,2-Dichloroethene	1.07		0.0933	0.500	1	05/01/2019 02:20	WG1274056
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/25/2019 19:49	WG1271705
1,2-Dichloropropane	U		0.190	0.500	1	04/25/2019 19:49	WG1271705
1,1-Dichloropropene	U		0.128	0.500	1	04/25/2019 19:49	WG1271705
1,3-Dichloropropane	U		0.147	1.00	1	04/25/2019 19:49	WG1271705
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/25/2019 19:49	WG1271705
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/25/2019 19:49	WG1271705
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/25/2019 19:49	WG1271705
2,2-Dichloropropane	U		0.0929	0.500	1	04/25/2019 19:49	WG1271705
Di-isopropyl ether	U		0.0924	0.500	1	04/25/2019 19:49	WG1271705
Ethylbenzene	U		0.158	0.500	1	04/25/2019 19:49	WG1271705
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/25/2019 19:49	WG1271705
2-Hexanone	U		0.757	5.00	1	04/25/2019 19:49	WG1271705
n-Hexane	U		0.305	5.00	1	04/25/2019 19:49	WG1271705
Iodomethane	U		0.377	10.0	1	04/25/2019 19:49	WG1271705
Isopropylbenzene	U		0.126	0.500	1	04/25/2019 19:49	WG1271705
p-Isopropyltoluene	U		0.138	0.500	1	04/25/2019 19:49	WG1271705
2-Butanone (MEK)	U		1.28	5.00	1	04/25/2019 19:49	WG1271705
Methylene Chloride	U		1.07	2.50	1	04/25/2019 19:49	WG1271705
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/25/2019 19:49	WG1271705
Methyl tert-butyl ether	U		0.102	0.500	1	04/25/2019 19:49	WG1271705
Naphthalene	U		0.174	2.50	1	04/25/2019 19:49	WG1271705
n-Propylbenzene	U		0.162	0.500	1	04/25/2019 19:49	WG1271705
Styrene	U		0.117	0.500	1	04/25/2019 19:49	WG1271705
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/25/2019 19:49	WG1271705
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/25/2019 19:49	WG1271705
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/25/2019 19:49	WG1271705
Tetrachloroethene	U		0.199	0.500	1	04/25/2019 19:49	WG1271705
Toluene	U		0.412	0.500	1	04/25/2019 19:49	WG1271705
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/25/2019 19:49	WG1271705
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/25/2019 19:49	WG1271705
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/25/2019 19:49	WG1271705
1,1,2-Trichloroethane	U		0.186	0.500	1	04/25/2019 19:49	WG1271705
Trichloroethene	U		0.153	0.500	1	04/25/2019 19:49	WG1271705
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/25/2019 19:49	WG1271705
1,2,3-Trichloropropane	U		0.247	2.50	1	04/25/2019 19:49	WG1271705
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/25/2019 19:49	WG1271705
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/25/2019 19:49	WG1271705
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/25/2019 19:49	WG1271705

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/25/2019 19:49	WG1271705
Vinyl chloride	2.69		0.118	0.500	1	05/01/2019 02:20	WG1274056
Xylenes, Total	U		0.316	1.50	1	04/25/2019 19:49	WG1271705
(S) Toluene-d8	*103*			*80.0-120*		*04/25/2019 19:49*	WG1271705
(S) Toluene-d8	*103*			*80.0-120*		*05/01/2019 02:20*	WG1274056
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*04/25/2019 19:49*	WG1271705
(S) 4-Bromofluorobenzene	*97.4*			*77.0-126*		*05/01/2019 02:20*	WG1274056
(S) 1,2-Dichloroethane-d4	*97.4*			*70.0-130*		*04/25/2019 19:49*	WG1271705
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*05/01/2019 02:20*	WG1274056

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/26/2019 01:41	WG1272107
(S) a,a,a-Trifluorotoluene(FID)	*111*			*78.0-120*		*04/26/2019 01:41*	WG1272107

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	1.76	J J0 J3 J4	1.05	25.0	1	04/25/2019 16:28	WG1271705
Acrylonitrile	U		0.873	5.00	1	04/25/2019 16:28	WG1271705
Benzene	U		0.0896	0.500	1	04/25/2019 16:28	WG1271705
Bromobenzene	U		0.133	0.500	1	04/25/2019 16:28	WG1271705
Bromodichloromethane	U		0.0800	0.500	1	04/25/2019 16:28	WG1271705
Bromochloromethane	U		0.145	0.500	1	04/25/2019 16:28	WG1271705
Bromoform	U		0.186	0.500	1	04/25/2019 16:28	WG1271705
Bromomethane	U	J0	0.157	2.50	1	04/25/2019 16:28	WG1271705
n-Butylbenzene	U		0.143	0.500	1	04/25/2019 16:28	WG1271705
sec-Butylbenzene	U		0.134	0.500	1	04/25/2019 16:28	WG1271705
tert-Butylbenzene	U		0.183	0.500	1	04/25/2019 16:28	WG1271705
Carbon disulfide	U		0.101	0.500	1	04/25/2019 16:28	WG1271705
Carbon tetrachloride	U		0.159	0.500	1	04/25/2019 16:28	WG1271705
Chlorobenzene	U		0.140	0.500	1	04/25/2019 16:28	WG1271705
Chlorodibromomethane	U		0.128	0.500	1	04/25/2019 16:28	WG1271705
Chloroethane	U	J0	0.141	2.50	1	04/25/2019 16:28	WG1271705
Chloroform	U		0.0860	0.500	1	04/25/2019 16:28	WG1271705
Chloromethane	U		0.153	1.25	1	04/25/2019 16:28	WG1271705
2-Chlorotoluene	U		0.111	0.500	1	04/25/2019 16:28	WG1271705
4-Chlorotoluene	U		0.0972	0.500	1	04/25/2019 16:28	WG1271705
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/25/2019 16:28	WG1271705
1,2-Dibromoethane	U		0.193	0.500	1	04/25/2019 16:28	WG1271705
Dibromomethane	U		0.117	0.500	1	04/25/2019 16:28	WG1271705
1,2-Dichlorobenzene	U		0.101	0.500	1	04/25/2019 16:28	WG1271705
1,3-Dichlorobenzene	U		0.130	0.500	1	04/25/2019 16:28	WG1271705
1,4-Dichlorobenzene	U		0.121	0.500	1	04/25/2019 16:28	WG1271705
Dichlorodifluoromethane	U		0.127	2.50	1	04/25/2019 16:28	WG1271705
1,1-Dichloroethane	U		0.114	0.500	1	04/25/2019 16:28	WG1271705
1,2-Dichloroethane	U		0.108	0.500	1	04/25/2019 16:28	WG1271705
1,1-Dichloroethene	U		0.188	0.500	1	04/25/2019 16:28	WG1271705
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/25/2019 16:28	WG1271705
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/25/2019 16:28	WG1271705
1,2-Dichloropropane	U		0.190	0.500	1	04/25/2019 16:28	WG1271705
1,1-Dichloropropene	U		0.128	0.500	1	04/25/2019 16:28	WG1271705
1,3-Dichloropropane	U		0.147	1.00	1	04/25/2019 16:28	WG1271705
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/25/2019 16:28	WG1271705
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/25/2019 16:28	WG1271705
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/25/2019 16:28	WG1271705
2,2-Dichloropropane	U		0.0929	0.500	1	04/25/2019 16:28	WG1271705
Di-isopropyl ether	U		0.0924	0.500	1	04/25/2019 16:28	WG1271705
Ethylbenzene	U		0.158	0.500	1	04/25/2019 16:28	WG1271705
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/25/2019 16:28	WG1271705
2-Hexanone	U		0.757	5.00	1	04/25/2019 16:28	WG1271705
n-Hexane	U		0.305	5.00	1	04/25/2019 16:28	WG1271705
Iodomethane	U		0.377	10.0	1	04/25/2019 16:28	WG1271705
Isopropylbenzene	U		0.126	0.500	1	04/25/2019 16:28	WG1271705
p-Isopropyltoluene	U		0.138	0.500	1	04/25/2019 16:28	WG1271705
2-Butanone (MEK)	U		1.28	5.00	1	04/25/2019 16:28	WG1271705

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/25/2019 16:28	WG1271705
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/25/2019 16:28	WG1271705
Methyl tert-butyl ether	U		0.102	0.500	1	04/25/2019 16:28	WG1271705
Naphthalene	U		0.174	2.50	1	04/25/2019 16:28	WG1271705
n-Propylbenzene	U		0.162	0.500	1	04/25/2019 16:28	WG1271705
Styrene	U		0.117	0.500	1	04/25/2019 16:28	WG1271705
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/25/2019 16:28	WG1271705
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/25/2019 16:28	WG1271705
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/25/2019 16:28	WG1271705
Tetrachloroethene	U		0.199	0.500	1	04/25/2019 16:28	WG1271705
Toluene	U		0.412	0.500	1	04/25/2019 16:28	WG1271705
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/25/2019 16:28	WG1271705
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/25/2019 16:28	WG1271705
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/25/2019 16:28	WG1271705
1,1,2-Trichloroethane	U		0.186	0.500	1	04/25/2019 16:28	WG1271705
Trichloroethene	U		0.153	0.500	1	04/25/2019 16:28	WG1271705
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/25/2019 16:28	WG1271705
1,2,3-Trichloropropane	U		0.247	2.50	1	04/25/2019 16:28	WG1271705
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/25/2019 16:28	WG1271705
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/25/2019 16:28	WG1271705
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/25/2019 16:28	WG1271705
Vinyl acetate	U		0.645	5.00	1	04/25/2019 16:28	WG1271705
Vinyl chloride	U	J0	0.118	0.500	1	04/25/2019 16:28	WG1271705
Xylenes, Total	U		0.316	1.50	1	04/25/2019 16:28	WG1271705
(S) Toluene-d8	*101*			*80.0-120*		*04/25/2019 16:28*	WG1271705
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*04/25/2019 16:28*	WG1271705
(S) 1,2-Dichloroethane-d4	*92.8*			*70.0-130*		*04/25/2019 16:28*	WG1271705

Method Blank (MB)

(MB) R3406816-1 04/30/19 12:58

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Alkalinity	3160	J	2710	20000

Sample Narrative:

BLANK: Endpoint pH 4.5

L1092253-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1092253-04 04/30/19 13:12 • (DUP) R3406816-5 04/30/19 13:18

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	50900	52200	1	2.61		20

Sample Narrative:

OS: Endpoint pH 4.5 headspace

DUP: Endpoint pH 4.5

L1092421-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1092421-01 04/30/19 15:52 • (DUP) R3406816-10 04/30/19 15:59

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	61300	57900	1	5.61		20

Sample Narrative:

OS: Endpoint pH 4.5 headspace

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3406816-9 04/30/19 14:01

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Alkalinity	100000	99300	99.3	85.0-115	

Sample Narrative:

LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R3405679-1 04/25/19 23:42

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Chloride	U		51.9	1000
Nitrate	U		22.7	100
Sulfate	U		77.4	5000

L1092353-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1092353-01 04/26/19 00:27 • (DUP) R3405679-3 04/26/19 00:38

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	16600	16100	1	3.08		15
Nitrate	U	0.000	1	0.000		15
Sulfate	20000	19200	1	4.16		15

L1092400-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1092400-04 04/26/19 03:10 • (DUP) R3405679-6 04/26/19 03:21

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	9400	9560	1	1.76		15
Nitrate	U	0.000	1	0.000		15
Sulfate	9230	9330	1	1.03		15

Laboratory Control Sample (LCS)

(LCS) R3405679-2 04/25/19 23:53

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40000	40100	100	80.0-120	
Nitrate	8000	7890	98.7	80.0-120	
Sulfate	40000	40900	102	80.0-120	

L1092353-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1092353-01 04/26/19 00:27 • (MS) R3405679-4 04/26/19 00:49 • (MSD) R3405679-5 04/26/19 00:59

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50000	16600	65100	65100	97.0	96.9	1	80.0-120			0.0978	15
Nitrate	5000	U	4610	4610	92.1	92.2	1	80.0-120			0.126	15
Sulfate	50000	20000	67300	67100	94.7	94.3	1	80.0-120			0.292	15

L1092400-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1092400-04 04/26/19 03:10 • (MS) R3405679-7 04/26/19 03:32

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	9400	59000	99.1	1	80.0-120	
Nitrate	5000	U	4710	94.2	1	80.0-120	
Sulfate	50000	9230	58100	97.8	1	80.0-120	

Method Blank (MB)

(MB) R3406579-1 04/29/19 14:21

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	568	J	102	1000

L1092307-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1092307-01 04/29/19 16:13 • (DUP) R3406579-3 04/29/19 16:31

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	48600	48400	1	0.516		20

L1092431-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1092431-08 04/30/19 01:31 • (DUP) R3406579-8 04/30/19 01:49

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	8550	8900	1	3.99		20

Laboratory Control Sample (LCS)

(LCS) R3406579-2 04/29/19 14:58

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75000	78700	105	85.0-115	

L1092400-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1092400-02 04/29/19 19:49 • (MS) R3406579-4 04/29/19 20:11 • (MSD) R3406579-5 04/29/19 20:29

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50000	4950	56200	55400	102	101	1	80.0-120			1.36	20

L1092412-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1092412-06 04/30/19 00:16 • (MS) R3406579-6 04/30/19 00:34 • (MSD) R3406579-7 04/30/19 00:52

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50000	ND	50800	51000	101	101	1	80.0-120			0.314	20

Method Blank (MB)

(MB) R3406378-1 04/29/19 13:02

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Iron	U		15.0	100
Manganese	U		0.250	5.00

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

(LCS) R3406378-2 04/29/19 13:07 • (LCSD) R3406378-3 04/29/19 13:12

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Iron	500	490	480	98.0	96.1	80.0-120			1.92	20
Manganese	50.0	48.4	47.0	96.7	94.0	80.0-120			2.85	20

L1092217-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1092217-01 04/29/19 13:18 • (MS) R3406378-5 04/29/19 13:28 • (MSD) R3406378-6 04/29/19 13:33

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Iron	500	2630	2940	3550	61.9	185	1	75.0-125	V	V	19.0	20
Manganese	50.0	2630	2730	2770	195	272	1	75.0-125	V	V	1.38	20

Method Blank (MB)

(MB) R3406246-2 04/25/19 22:30

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	U		31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*111*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3406246-1 04/25/19 21:42

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	6260	114	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*94.6*	*78.0-120*	

Method Blank (MB)

(MB) R3407661-1 05/02/19 12:59

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

Method Blank (MB)

(MB) R3407661-2 05/02/19 13:58

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

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

(LCS) R3407661-4 05/02/19 15:40 • (LCSD) R3407661-5 05/02/19 15:49

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	72.0	77.7	106	115	85.0-115			7.60	20
Ethane	129	117	120	90.5	93.2	85.0-115			2.96	20
Ethene	127	116	119	91.7	93.5	85.0-115			1.95	20

Method Blank (MB)

(MB) R3406794-3 04/25/19 10:03

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) R3406794-3 04/25/19 10:03

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	0.239	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	*101*			*80.0-120*
(S) 4-Bromofluorobenzene	*105*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*94.7*			*70.0-130*

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) R3406794-1 04/25/19 09:03 • (LCSD) R3406794-2 04/25/19 09:23

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	125	205	144	164	115	19.0-160	J4	J3	34.8	27
Acrylonitrile	125	160	156	128	125	55.0-149			2.36	20
Benzene	25.0	26.0	26.1	104	104	70.0-123			0.383	20
Bromobenzene	25.0	23.4	23.6	93.5	94.5	73.0-121			1.10	20
Bromodichloromethane	25.0	22.3	22.3	89.3	89.2	75.0-120			0.142	20
Bromochloromethane	25.0	23.5	23.3	94.2	93.0	76.0-122			1.20	20
Bromoform	25.0	26.4	27.0	106	108	68.0-132			2.26	20
Bromomethane	25.0	17.7	17.6	70.8	70.5	10.0-160			0.433	25
n-Butylbenzene	25.0	23.2	22.8	92.7	91.2	73.0-125			1.67	20
sec-Butylbenzene	25.0	23.9	23.3	95.6	93.1	75.0-125			2.69	20
tert-Butylbenzene	25.0	24.5	24.0	98.0	96.1	76.0-124			1.94	20
Carbon disulfide	25.0	28.4	31.0	113	124	61.0-128			8.82	20
Carbon tetrachloride	25.0	23.9	23.9	95.5	95.5	68.0-126			0.0359	20
Chlorobenzene	25.0	24.0	24.2	96.1	96.6	80.0-121			0.523	20
Chlorodibromomethane	25.0	23.5	24.0	94.2	96.0	77.0-125			1.90	20
Chloroethane	25.0	15.0	17.2	60.1	69.0	47.0-150			13.7	20
Chloroform	25.0	22.0	21.9	87.8	87.8	73.0-120			0.0352	20
Chloromethane	25.0	26.3	26.2	105	105	41.0-142			0.338	20
2-Chlorotoluene	25.0	23.1	22.8	92.6	91.0	76.0-123			1.66	20
4-Chlorotoluene	25.0	23.4	23.2	93.5	93.0	75.0-122			0.522	20
1,2-Dibromo-3-Chloropropane	25.0	28.4	27.7	114	111	58.0-134			2.76	20
1,2-Dibromoethane	25.0	23.3	23.7	93.0	94.8	80.0-122			1.90	20
Dibromomethane	25.0	22.7	22.5	90.7	90.0	80.0-120			0.716	20
1,2-Dichlorobenzene	25.0	23.9	23.4	95.5	93.5	79.0-121			2.08	20
1,3-Dichlorobenzene	25.0	23.5	23.2	94.0	93.0	79.0-120			1.05	20
1,4-Dichlorobenzene	25.0	22.7	22.5	91.0	89.9	79.0-120			1.15	20
Dichlorodifluoromethane	25.0	26.3	26.2	105	105	51.0-149			0.238	20
1,1-Dichloroethane	25.0	24.8	24.6	99.4	98.3	70.0-126			1.12	20
1,2-Dichloroethane	25.0	20.8	20.8	83.1	83.1	70.0-128			0.0641	20
1,1-Dichloroethene	25.0	25.0	25.4	100	102	71.0-124			1.62	20
cis-1,2-Dichloroethene	25.0	23.9	23.7	95.7	94.7	73.0-120			1.11	20
trans-1,2-Dichloroethene	25.0	24.9	24.9	99.6	99.4	73.0-120			0.115	20
1,2-Dichloropropane	25.0	26.5	26.5	106	106	77.0-125			0.267	20
1,1-Dichloropropene	25.0	24.9	24.8	99.4	99.1	74.0-126			0.298	20
1,3-Dichloropropane	25.0	24.6	25.1	98.6	100	80.0-120			1.86	20
cis-1,3-Dichloropropene	25.0	24.0	24.2	96.2	96.7	80.0-123			0.513	20
trans-1,3-Dichloropropene	25.0	23.3	23.5	93.2	94.1	78.0-124			0.936	20
trans-1,4-Dichloro-2-butene	25.0	20.7	19.7	83.0	78.6	33.0-144			5.42	20
2,2-Dichloropropane	25.0	32.0	31.4	128	126	58.0-130			2.05	20
Di-isopropyl ether	25.0	27.7	27.6	111	110	58.0-138			0.601	20

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

(LCS) R3406794-1 04/25/19 09:03 • (LCSD) R3406794-2 04/25/19 09:23

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	25.0	24.4	24.7	97.5	98.9	79.0-123			1.46	20
Hexachloro-1,3-butadiene	25.0	31.2	30.4	125	122	54.0-138			2.57	20
2-Hexanone	125	147	146	117	117	67.0-149			0.700	20
n-Hexane	25.0	29.2	28.6	117	114	57.0-133			2.29	20
Iodomethane	125	134	128	107	102	33.0-147			4.64	26
Isopropylbenzene	25.0	25.6	26.1	103	104	76.0-127			1.66	20
p-Isopropyltoluene	25.0	24.2	23.8	96.8	95.1	76.0-125			1.85	20
2-Butanone (MEK)	125	165	156	132	125	44.0-160			5.34	20
Methylene Chloride	25.0	24.7	24.5	98.8	98.1	67.0-120			0.726	20
4-Methyl-2-pentanone (MIBK)	125	143	142	114	114	68.0-142			0.369	20
Methyl tert-butyl ether	25.0	23.7	23.4	94.7	93.6	68.0-125			1.16	20
Naphthalene	25.0	25.1	24.5	100	98.1	54.0-135			2.40	20
n-Propylbenzene	25.0	23.0	23.0	92.1	91.9	77.0-124			0.261	20
Styrene	25.0	26.6	27.4	106	110	73.0-130			3.12	20
1,1,1,2-Tetrachloroethane	25.0	24.1	24.0	96.2	96.2	75.0-125			0.0553	20
1,1,2,2-Tetrachloroethane	25.0	22.8	22.7	91.3	90.8	65.0-130			0.553	20
1,1,2-Trichlorotrifluoroethane	25.0	23.4	24.1	93.6	96.5	69.0-132			3.14	20
Tetrachloroethene	25.0	25.8	25.8	103	103	72.0-132			0.287	20
Toluene	25.0	25.9	26.1	103	104	79.0-120			0.981	20
1,2,3-Trichlorobenzene	25.0	25.7	24.4	103	97.5	50.0-138			5.36	20
1,2,4-Trichlorobenzene	25.0	26.6	25.2	107	101	57.0-137			5.53	20
1,1,1-Trichloroethane	25.0	23.7	23.8	94.9	95.3	73.0-124			0.433	20
1,1,2-Trichloroethane	25.0	22.8	22.6	91.3	90.4	80.0-120			0.971	20
Trichloroethene	25.0	25.1	25.2	100	101	78.0-124			0.572	20
Trichlorofluoromethane	25.0	15.2	16.5	60.9	65.9	59.0-147			7.93	20
1,2,3-Trichloropropane	25.0	21.1	20.9	84.4	83.5	73.0-130			1.11	20
1,2,4-Trimethylbenzene	25.0	22.8	22.6	91.2	90.5	76.0-121			0.774	20
1,2,3-Trimethylbenzene	25.0	22.4	21.8	89.8	87.2	77.0-120			2.96	20
1,3,5-Trimethylbenzene	25.0	23.4	22.6	93.5	90.5	76.0-122			3.16	20
Vinyl acetate	125	119	120	95.4	95.7	11.0-160			0.361	20
Vinyl chloride	25.0	17.8	17.9	71.3	71.7	67.0-131			0.499	20
Xylenes, Total	75.0	74.9	75.0	99.9	100	79.0-123			0.133	20
(S) Toluene-d8				*101*	*100*	*80.0-120*				
(S) 4-Bromofluorobenzene				*105*	*107*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*92.7*	*99.9*	*70.0-130*				

Method Blank (MB)

(MB) R3406890-2 05/01/19 01:15

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
cis-1,2-Dichloroethene	U		0.0933	0.500
Vinyl chloride	U		0.118	0.500
(S) Toluene-d8	*104*			*80.0-120*
(S) 4-Bromofluorobenzene	*98.3*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3406890-1 05/01/19 00:32

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
cis-1,2-Dichloroethene	25.0	29.9	120	73.0-120	
Vinyl chloride	25.0	32.6	131	67.0-131	
(S) Toluene-d8			*102*	*80.0-120*	
(S) 4-Bromofluorobenzene			*100*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*103*	*70.0-130*	

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: The identification of the analyte is acceptable, but the reported concentration is an estimate. The calibration met method criteria.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
V	The sample concentration is too high to evaluate accurate spike recoveries.

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

State Accreditations

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

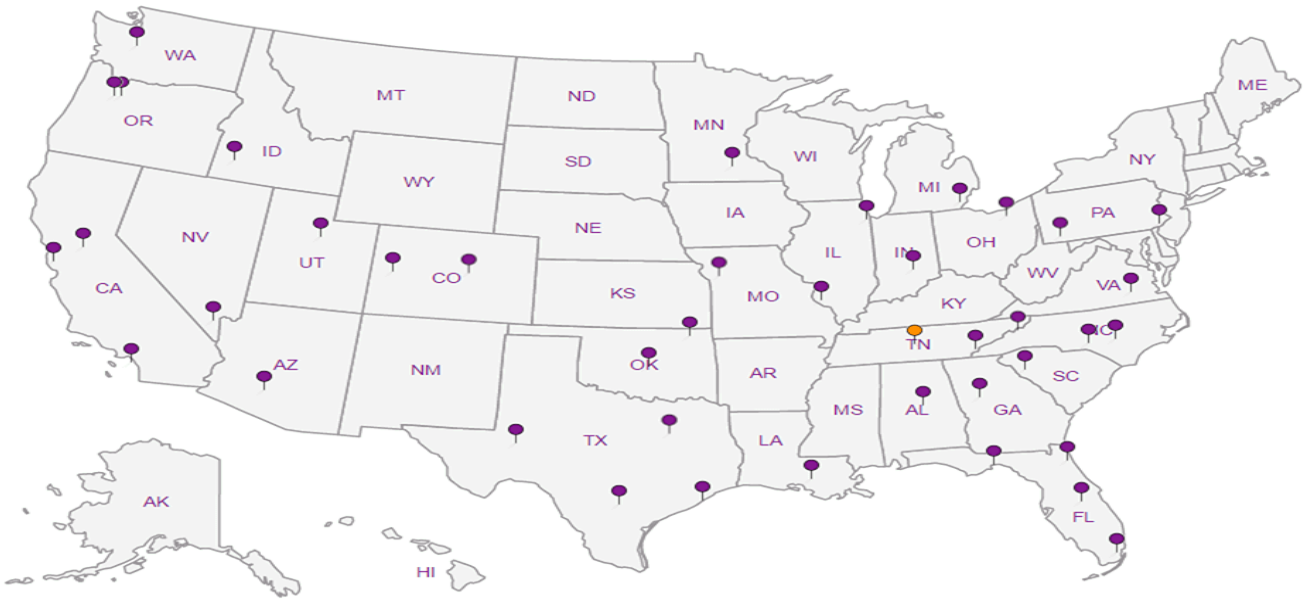
Third Party Federal Accreditations

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

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

Our Locations

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



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:

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

Report to: Brian O'Neal/Bill Haldeman

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

Project Description: American Linen

City/State Collected: Seattle, WA

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

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): Ben Hecht

Site/Facility ID # American Linen

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

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

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page

Pace Analytical
National Center for Testing

L1092400

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

L# C229

Acctnum: PESENVSWA
Template: T143845
Prelogin: P701221
TSR: 110 - Brian Ford
PB: JB 4-1-19
Shipped Via: FedEx Gro

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NO3,SO4,Cl* 125ml HDPE-NoPres	Alkalinity 125mlHDPE-NoPres	EEM (RSK175) 40mlAmb-HCl	TOC 250mlAmb-HCl	Total Fe Mn 6020 250mlHDPE-HNO3	VOC 8260 (WITH GRO)	Remarks	Sample # (lab only)
MW-909-042419	Grab	GW	130	0820	4/24/19	12	X	X	X	X	X	X	-01	
MW-146-042419		GW	45	0955	"	12	X	X	X	X	X	X	-02	
MW-154-042419		GW	30	1140		6						X	-03	
MW-153-042419		GW	125	1255		9	X	X	X	X	X	X	-04	
TRIP BLANK-042419	-	GW	-	-	-	1	X	X				X	VOC GRO only	-05
		GW												
		GW												
		GW												
		GW												
		GW												

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

Remarks: SCREEN <0.5 mm

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # Fedex 4876 1086 2011

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	4-24-19	1615	
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: 1.7 °C Bottles Received: 37

Date: 4/25/19 Time: 8:45

If preservation required by Login: Date/Time

Hold: Condition NCF

ES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Report to: Brian O'Neal/Bill Haldeman
Email To: boneal@pesenv.com; bhaldeman@pesenv.com;

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

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

Client Project # 1413.001.05.601
Lab Project # PESENVSWA-ALP

Collected by (print): Ben Hecht
Site/Facility ID # American Linen
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
Date Results Needed

Quote #

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NO3,SO4,Cl* 125mlHDPE-NoPres	Alkalinity 125mlHDPE-NoPres	EEM (RSK175LL) 40mlAmb-HCl	TOC 250mlAmb-HCl	Total Fe Mn 6020 250mlHDPE-HNO3	8260	GRO (NWTPH-Gx)			Remarks	Sample # (lab only)
MW-909-042419	Grab	GW	130	0820	4/24/19	12	X	X	X	X	X	X	X				
MW-146-042419		GW	45	0955		12	X	X	X	X	X	X	X				
MW-154-042419		GW	30	1140		6						X	X				
MW-153-042419		GW	125	1255		12	X	X	X	X	X	X	X				
TRIP BLANK-042419	-	GW	-	-	-	1	X	X				X	X			VOC, GRO only	
		GW															
		GW															
		GW															
		GW															
		GW															

Chain of Custody Page ___ of ___

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1092400
Table #
Acctnum: PESENVSWA
Template: T143845
Prelogin: P701221
TSR: 110 - Brian Ford
PB: JG 4-1-19
Shipped Via: FedEX Ground

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

Remarks:
NO SCREEN: <0.5 CPS
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
Ben Hecht	4-24-19	1615		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

May 08, 2019

PES Environmental, Inc.- WA

Sample Delivery Group:	L1092440
Samples Received:	04/25/2019
Project Number:	1413.001.05.601
Description:	American Linen
Site:	AMERICAN LINEN
Report To:	Brian O'Neal/Bill Haldeman
	1215 Fourth Ave., Suite 1350
	Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



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MW-125-042319 L1092440-01 GW

Collected by: Ben Hecht | Collected date/time: 04/23/19 17:00 | Received date/time: 04/25/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1272107	1	04/26/19 04:05	04/26/19 04:05	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1272563	1	04/26/19 18:07	04/26/19 18:07	BMB	Mt. Juliet, TN

MW-143-042419 L1092440-02 GW

Collected by: Ben Hecht | Collected date/time: 04/24/19 09:10 | Received date/time: 04/25/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1273787	1	05/02/19 02:46	05/02/19 02:46	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1271815	1	04/25/19 17:52	04/25/19 17:52	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1272254	1	04/26/19 14:22	04/26/19 14:22	EEM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1271844	1	04/30/19 09:36	05/07/19 21:51	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1272107	1	04/26/19 04:29	04/26/19 04:29	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1274563	1	05/02/19 10:54	05/02/19 10:54	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1275114	20	05/02/19 17:40	05/02/19 17:40	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1272563	1	04/26/19 18:27	04/26/19 18:27	BMB	Mt. Juliet, TN

MW-908-042419 L1092440-03 GW

Collected by: Ben Hecht | Collected date/time: 04/24/19 07:00 | Received date/time: 04/25/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1273787	1	05/02/19 02:54	05/02/19 02:54	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1271815	1	04/25/19 18:10	04/25/19 18:10	ST	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1271815	5	04/26/19 01:16	04/26/19 01:16	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1272254	1	04/26/19 15:44	04/26/19 15:44	EEM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1271844	1	04/30/19 09:36	05/07/19 21:56	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1272107	1	04/26/19 04:53	04/26/19 04:53	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1274563	1	05/02/19 10:59	05/02/19 10:59	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1272563	1	04/26/19 18:47	04/26/19 18:47	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1274830	50	05/02/19 10:41	05/02/19 10:41	ADM	Mt. Juliet, TN

MW-142-042419 L1092440-04 GW

Collected by: Ben Hecht | Collected date/time: 04/24/19 10:35 | Received date/time: 04/25/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1273787	1	05/02/19 03:00	05/02/19 03:00	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1271815	1	04/25/19 18:28	04/25/19 18:28	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1272254	1	04/26/19 16:00	04/26/19 16:00	EEM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1271844	1	04/30/19 09:36	05/07/19 22:01	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1272107	1	04/26/19 05:17	04/26/19 05:17	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1274563	1	05/02/19 11:08	05/02/19 11:08	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1272563	1	04/26/19 19:07	04/26/19 19:07	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1274830	1	05/02/19 10:21	05/02/19 10:21	ADM	Mt. Juliet, TN

MW-156-042419 L1092440-05 GW

Collected by: Ben Hecht | Collected date/time: 04/24/19 12:30 | Received date/time: 04/25/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1273787	1	05/02/19 03:08	05/02/19 03:08	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1271815	1	04/25/19 19:21	04/25/19 19:21	ST	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1271815	5	04/26/19 01:34	04/26/19 01:34	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1272254	1	04/26/19 16:20	04/26/19 16:20	EEM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1271844	1	04/30/19 09:36	05/07/19 22:05	LD	Mt. Juliet, TN

MW-156-042419 L1092440-05 GW

Collected by: Ben Hecht
Collected date/time: 04/24/19 12:30
Received date/time: 04/25/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1272107	1	04/26/19 05:41	04/26/19 05:41	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1274563	1	05/02/19 11:12	05/02/19 11:12	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1272563	1	04/26/19 19:27	04/26/19 19:27	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1274830	50	05/02/19 11:00	05/02/19 11:00	ADM	Mt. Juliet, TN

MW-157-042419 L1092440-06 GW

Collected by: Ben Hecht
Collected date/time: 04/24/19 14:10
Received date/time: 04/25/19 08:45

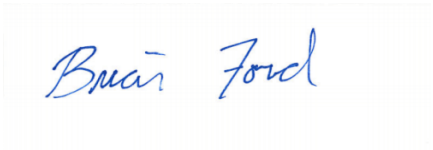
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1273787	1	05/02/19 03:22	05/02/19 03:22	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1271815	1	04/25/19 19:39	04/25/19 19:39	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1272254	1	04/26/19 16:35	04/26/19 16:35	EEM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1271844	1	04/30/19 09:36	05/07/19 22:58	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1272107	1	04/26/19 06:05	04/26/19 06:05	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1274563	1	05/02/19 11:25	05/02/19 11:25	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1272563	1	04/26/19 19:47	04/26/19 19:47	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1274830	50	05/02/19 11:20	05/02/19 11:20	ADM	Mt. Juliet, TN

TRIP BLANK-042419 L1092440-07 GW

Collected by: Ben Hecht
Collected date/time: 04/24/19 00:00
Received date/time: 04/25/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1275218	1	05/02/19 15:18	05/02/19 15:18	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1272563	1	04/26/19 17:27	04/26/19 17:27	BMB	Mt. Juliet, TN

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



Brian Ford
Project Manager

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/26/2019 04:05	WG1272107
(S) a,a,a-Trifluorotoluene(FID)	*111*			*78.0-120*		*04/26/2019 04:05*	WG1272107

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	6.93	J J0	1.05	25.0	1	04/26/2019 18:07	WG1272563
Acrylonitrile	U		0.873	5.00	1	04/26/2019 18:07	WG1272563
Benzene	U		0.0896	0.500	1	04/26/2019 18:07	WG1272563
Bromobenzene	U		0.133	0.500	1	04/26/2019 18:07	WG1272563
Bromodichloromethane	U		0.0800	0.500	1	04/26/2019 18:07	WG1272563
Bromochloromethane	U		0.145	0.500	1	04/26/2019 18:07	WG1272563
Bromoform	U		0.186	0.500	1	04/26/2019 18:07	WG1272563
Bromomethane	U	J0	0.157	2.50	1	04/26/2019 18:07	WG1272563
n-Butylbenzene	U		0.143	0.500	1	04/26/2019 18:07	WG1272563
sec-Butylbenzene	U		0.134	0.500	1	04/26/2019 18:07	WG1272563
tert-Butylbenzene	U		0.183	0.500	1	04/26/2019 18:07	WG1272563
Carbon disulfide	U		0.101	0.500	1	04/26/2019 18:07	WG1272563
Carbon tetrachloride	U		0.159	0.500	1	04/26/2019 18:07	WG1272563
Chlorobenzene	U		0.140	0.500	1	04/26/2019 18:07	WG1272563
Chlorodibromomethane	U		0.128	0.500	1	04/26/2019 18:07	WG1272563
Chloroethane	U	J0	0.141	2.50	1	04/26/2019 18:07	WG1272563
Chloroform	U		0.0860	0.500	1	04/26/2019 18:07	WG1272563
Chloromethane	U		0.153	1.25	1	04/26/2019 18:07	WG1272563
2-Chlorotoluene	U		0.111	0.500	1	04/26/2019 18:07	WG1272563
4-Chlorotoluene	U		0.0972	0.500	1	04/26/2019 18:07	WG1272563
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/26/2019 18:07	WG1272563
1,2-Dibromoethane	U		0.193	0.500	1	04/26/2019 18:07	WG1272563
Dibromomethane	U		0.117	0.500	1	04/26/2019 18:07	WG1272563
1,2-Dichlorobenzene	U		0.101	0.500	1	04/26/2019 18:07	WG1272563
1,3-Dichlorobenzene	U		0.130	0.500	1	04/26/2019 18:07	WG1272563
1,4-Dichlorobenzene	U		0.121	0.500	1	04/26/2019 18:07	WG1272563
Dichlorodifluoromethane	U		0.127	2.50	1	04/26/2019 18:07	WG1272563
1,1-Dichloroethane	U		0.114	0.500	1	04/26/2019 18:07	WG1272563
1,2-Dichloroethane	U		0.108	0.500	1	04/26/2019 18:07	WG1272563
1,1-Dichloroethene	U		0.188	0.500	1	04/26/2019 18:07	WG1272563
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/26/2019 18:07	WG1272563
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/26/2019 18:07	WG1272563
1,2-Dichloropropane	U		0.190	0.500	1	04/26/2019 18:07	WG1272563
1,1-Dichloropropene	U		0.128	0.500	1	04/26/2019 18:07	WG1272563
1,3-Dichloropropane	U		0.147	1.00	1	04/26/2019 18:07	WG1272563
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/26/2019 18:07	WG1272563
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/26/2019 18:07	WG1272563
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/26/2019 18:07	WG1272563
2,2-Dichloropropane	U		0.0929	0.500	1	04/26/2019 18:07	WG1272563
Di-isopropyl ether	U		0.0924	0.500	1	04/26/2019 18:07	WG1272563
Ethylbenzene	U		0.158	0.500	1	04/26/2019 18:07	WG1272563
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/26/2019 18:07	WG1272563
2-Hexanone	U	J3	0.757	5.00	1	04/26/2019 18:07	WG1272563
n-Hexane	U		0.305	5.00	1	04/26/2019 18:07	WG1272563
Iodomethane	U		0.377	10.0	1	04/26/2019 18:07	WG1272563
Isopropylbenzene	U		0.126	0.500	1	04/26/2019 18:07	WG1272563
p-Isopropyltoluene	U		0.138	0.500	1	04/26/2019 18:07	WG1272563
2-Butanone (MEK)	U		1.28	5.00	1	04/26/2019 18:07	WG1272563

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/26/2019 18:07	WG1272563
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/26/2019 18:07	WG1272563
Methyl tert-butyl ether	U		0.102	0.500	1	04/26/2019 18:07	WG1272563
Naphthalene	U		0.174	2.50	1	04/26/2019 18:07	WG1272563
n-Propylbenzene	U		0.162	0.500	1	04/26/2019 18:07	WG1272563
Styrene	U		0.117	0.500	1	04/26/2019 18:07	WG1272563
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/26/2019 18:07	WG1272563
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/26/2019 18:07	WG1272563
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/26/2019 18:07	WG1272563
Tetrachloroethene	U		0.199	0.500	1	04/26/2019 18:07	WG1272563
Toluene	U		0.412	0.500	1	04/26/2019 18:07	WG1272563
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/26/2019 18:07	WG1272563
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/26/2019 18:07	WG1272563
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/26/2019 18:07	WG1272563
1,1,2-Trichloroethane	U		0.186	0.500	1	04/26/2019 18:07	WG1272563
Trichloroethene	U		0.153	0.500	1	04/26/2019 18:07	WG1272563
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/26/2019 18:07	WG1272563
1,2,3-Trichloropropane	U		0.247	2.50	1	04/26/2019 18:07	WG1272563
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/26/2019 18:07	WG1272563
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/26/2019 18:07	WG1272563
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/26/2019 18:07	WG1272563
Vinyl acetate	U		0.645	5.00	1	04/26/2019 18:07	WG1272563
Vinyl chloride	U	J0	0.118	0.500	1	04/26/2019 18:07	WG1272563
Xylenes, Total	U		0.316	1.50	1	04/26/2019 18:07	WG1272563
(S) Toluene-d8	*96.5*			*80.0-120*		*04/26/2019 18:07*	WG1272563
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*04/26/2019 18:07*	WG1272563
(S) 1,2-Dichloroethane-d4	*92.7*			*70.0-130*		*04/26/2019 18:07*	WG1272563

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	393000		2710	20000	1	05/02/2019 02:46	WG1273787

Sample Narrative:

L1092440-02 WG1273787: Endpoint pH 4.5 headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	56200		51.9	1000	1	04/25/2019 17:52	WG1271815
Nitrate	U		22.7	100	1	04/25/2019 17:52	WG1271815
Sulfate	8530		77.4	5000	1	04/25/2019 17:52	WG1271815

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	7190		102	1000	1	04/26/2019 14:22	WG1272254

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	687	B	15.0	100	1	05/07/2019 21:51	WG1271844
Manganese	317		0.250	5.00	1	05/07/2019 21:51	WG1271844

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/26/2019 04:29	WG1272107
(S) a,a,a-Trifluorotoluene(FID)	*111*			*78.0-120*		*04/26/2019 04:29*	WG1272107

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	6940		5.74	13.6	20	05/02/2019 17:40	WG1275114
Ethane	125		0.296	1.29	1	05/02/2019 10:54	WG1274563
Ethene	U		0.422	1.27	1	05/02/2019 10:54	WG1274563

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.44	J J0	1.05	25.0	1	04/26/2019 18:27	WG1272563
Acrylonitrile	U		0.873	5.00	1	04/26/2019 18:27	WG1272563
Benzene	U		0.0896	0.500	1	04/26/2019 18:27	WG1272563
Bromobenzene	U		0.133	0.500	1	04/26/2019 18:27	WG1272563
Bromodichloromethane	U		0.0800	0.500	1	04/26/2019 18:27	WG1272563
Bromochloromethane	U		0.145	0.500	1	04/26/2019 18:27	WG1272563
Bromoform	U		0.186	0.500	1	04/26/2019 18:27	WG1272563
Bromomethane	U	J0	0.157	2.50	1	04/26/2019 18:27	WG1272563
n-Butylbenzene	U		0.143	0.500	1	04/26/2019 18:27	WG1272563
sec-Butylbenzene	U		0.134	0.500	1	04/26/2019 18:27	WG1272563
tert-Butylbenzene	U		0.183	0.500	1	04/26/2019 18:27	WG1272563
Carbon disulfide	0.308	J J0	0.101	0.500	1	04/26/2019 18:27	WG1272563
Carbon tetrachloride	U		0.159	0.500	1	04/26/2019 18:27	WG1272563

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/26/2019 18:27	WG1272563
Chlorodibromomethane	U		0.128	0.500	1	04/26/2019 18:27	WG1272563
Chloroethane	U	J0	0.141	2.50	1	04/26/2019 18:27	WG1272563
Chloroform	U		0.0860	0.500	1	04/26/2019 18:27	WG1272563
Chloromethane	U		0.153	1.25	1	04/26/2019 18:27	WG1272563
2-Chlorotoluene	U		0.111	0.500	1	04/26/2019 18:27	WG1272563
4-Chlorotoluene	U		0.0972	0.500	1	04/26/2019 18:27	WG1272563
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/26/2019 18:27	WG1272563
1,2-Dibromoethane	U		0.193	0.500	1	04/26/2019 18:27	WG1272563
Dibromomethane	U		0.117	0.500	1	04/26/2019 18:27	WG1272563
1,2-Dichlorobenzene	U		0.101	0.500	1	04/26/2019 18:27	WG1272563
1,3-Dichlorobenzene	U		0.130	0.500	1	04/26/2019 18:27	WG1272563
1,4-Dichlorobenzene	U		0.121	0.500	1	04/26/2019 18:27	WG1272563
Dichlorodifluoromethane	U		0.127	2.50	1	04/26/2019 18:27	WG1272563
1,1-Dichloroethane	U		0.114	0.500	1	04/26/2019 18:27	WG1272563
1,2-Dichloroethane	U		0.108	0.500	1	04/26/2019 18:27	WG1272563
1,1-Dichloroethene	U		0.188	0.500	1	04/26/2019 18:27	WG1272563
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/26/2019 18:27	WG1272563
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/26/2019 18:27	WG1272563
1,2-Dichloropropane	U		0.190	0.500	1	04/26/2019 18:27	WG1272563
1,1-Dichloropropene	U		0.128	0.500	1	04/26/2019 18:27	WG1272563
1,3-Dichloropropane	U		0.147	1.00	1	04/26/2019 18:27	WG1272563
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/26/2019 18:27	WG1272563
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/26/2019 18:27	WG1272563
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/26/2019 18:27	WG1272563
2,2-Dichloropropane	U		0.0929	0.500	1	04/26/2019 18:27	WG1272563
Di-isopropyl ether	U		0.0924	0.500	1	04/26/2019 18:27	WG1272563
Ethylbenzene	U		0.158	0.500	1	04/26/2019 18:27	WG1272563
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/26/2019 18:27	WG1272563
2-Hexanone	U	J3	0.757	5.00	1	04/26/2019 18:27	WG1272563
n-Hexane	U		0.305	5.00	1	04/26/2019 18:27	WG1272563
Iodomethane	U		0.377	10.0	1	04/26/2019 18:27	WG1272563
Isopropylbenzene	U		0.126	0.500	1	04/26/2019 18:27	WG1272563
p-Isopropyltoluene	U		0.138	0.500	1	04/26/2019 18:27	WG1272563
2-Butanone (MEK)	U		1.28	5.00	1	04/26/2019 18:27	WG1272563
Methylene Chloride	U		1.07	2.50	1	04/26/2019 18:27	WG1272563
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/26/2019 18:27	WG1272563
Methyl tert-butyl ether	U		0.102	0.500	1	04/26/2019 18:27	WG1272563
Naphthalene	U		0.174	2.50	1	04/26/2019 18:27	WG1272563
n-Propylbenzene	U		0.162	0.500	1	04/26/2019 18:27	WG1272563
Styrene	U		0.117	0.500	1	04/26/2019 18:27	WG1272563
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/26/2019 18:27	WG1272563
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/26/2019 18:27	WG1272563
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/26/2019 18:27	WG1272563
Tetrachloroethene	U		0.199	0.500	1	04/26/2019 18:27	WG1272563
Toluene	U		0.412	0.500	1	04/26/2019 18:27	WG1272563
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/26/2019 18:27	WG1272563
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/26/2019 18:27	WG1272563
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/26/2019 18:27	WG1272563
1,1,2-Trichloroethane	U		0.186	0.500	1	04/26/2019 18:27	WG1272563
Trichloroethene	U		0.153	0.500	1	04/26/2019 18:27	WG1272563
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/26/2019 18:27	WG1272563
1,2,3-Trichloropropane	U		0.247	2.50	1	04/26/2019 18:27	WG1272563
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/26/2019 18:27	WG1272563
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/26/2019 18:27	WG1272563
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/26/2019 18:27	WG1272563

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/26/2019 18:27	WG1272563
Vinyl chloride	U	J0	0.118	0.500	1	04/26/2019 18:27	WG1272563
Xylenes, Total	U		0.316	1.50	1	04/26/2019 18:27	WG1272563
(S) Toluene-d8	*101*			*80.0-120*		*04/26/2019 18:27*	WG1272563
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*04/26/2019 18:27*	WG1272563
(S) 1,2-Dichloroethane-d4	*92.2*			*70.0-130*		*04/26/2019 18:27*	WG1272563

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	612000		2710	20000	1	05/02/2019 02:54	WG1273787

Sample Narrative:

L1092440-03 WG1273787: Endpoint pH 4.5 headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	19300		51.9	1000	1	04/25/2019 18:10	WG1271815
Nitrate	259		22.7	100	1	04/25/2019 18:10	WG1271815
Sulfate	145000		387	25000	5	04/26/2019 01:16	WG1271815

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	56000		102	1000	1	04/26/2019 15:44	WG1272254

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	4760		15.0	100	1	05/07/2019 21:56	WG1271844
Manganese	9750		0.250	5.00	1	05/07/2019 21:56	WG1271844

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	2600		31.6	100	1	04/26/2019 04:53	WG1272107
(S) a,a,a-Trifluorotoluene(FID)	*112*			*78.0-120*		*04/26/2019 04:53*	WG1272107

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1590		0.287	0.678	1	05/02/2019 10:59	WG1274563
Ethane	28.4		0.296	1.29	1	05/02/2019 10:59	WG1274563
Ethene	U		0.422	1.27	1	05/02/2019 10:59	WG1274563

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	2.50	J J0	1.05	25.0	1	04/26/2019 18:47	WG1272563
Acrylonitrile	U		0.873	5.00	1	04/26/2019 18:47	WG1272563
Benzene	0.330	J	0.0896	0.500	1	04/26/2019 18:47	WG1272563
Bromobenzene	U		0.133	0.500	1	04/26/2019 18:47	WG1272563
Bromodichloromethane	U		0.0800	0.500	1	04/26/2019 18:47	WG1272563
Bromochloromethane	U		0.145	0.500	1	04/26/2019 18:47	WG1272563
Bromoform	U		0.186	0.500	1	04/26/2019 18:47	WG1272563
Bromomethane	U	J0	0.157	2.50	1	04/26/2019 18:47	WG1272563
n-Butylbenzene	U		0.143	0.500	1	04/26/2019 18:47	WG1272563
sec-Butylbenzene	U		0.134	0.500	1	04/26/2019 18:47	WG1272563
tert-Butylbenzene	U		0.183	0.500	1	04/26/2019 18:47	WG1272563
Carbon disulfide	U		0.101	0.500	1	04/26/2019 18:47	WG1272563
Carbon tetrachloride	U		0.159	0.500	1	04/26/2019 18:47	WG1272563

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/26/2019 18:47	WG1272563
Chlorodibromomethane	U		0.128	0.500	1	04/26/2019 18:47	WG1272563
Chloroethane	U	J0	0.141	2.50	1	04/26/2019 18:47	WG1272563
Chloroform	U		0.0860	0.500	1	04/26/2019 18:47	WG1272563
Chloromethane	U		0.153	1.25	1	04/26/2019 18:47	WG1272563
2-Chlorotoluene	U		0.111	0.500	1	04/26/2019 18:47	WG1272563
4-Chlorotoluene	U		0.0972	0.500	1	04/26/2019 18:47	WG1272563
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/26/2019 18:47	WG1272563
1,2-Dibromoethane	U		0.193	0.500	1	04/26/2019 18:47	WG1272563
Dibromomethane	U		0.117	0.500	1	04/26/2019 18:47	WG1272563
1,2-Dichlorobenzene	U		0.101	0.500	1	04/26/2019 18:47	WG1272563
1,3-Dichlorobenzene	U		0.130	0.500	1	04/26/2019 18:47	WG1272563
1,4-Dichlorobenzene	U		0.121	0.500	1	04/26/2019 18:47	WG1272563
Dichlorodifluoromethane	U		0.127	2.50	1	04/26/2019 18:47	WG1272563
1,1-Dichloroethane	U		0.114	0.500	1	04/26/2019 18:47	WG1272563
1,2-Dichloroethane	U		0.108	0.500	1	04/26/2019 18:47	WG1272563
1,1-Dichloroethene	11.8		0.188	0.500	1	04/26/2019 18:47	WG1272563
cis-1,2-Dichloroethene	1760		4.66	25.0	50	05/02/2019 10:41	WG1274830
trans-1,2-Dichloroethene	9.31		0.152	0.500	1	04/26/2019 18:47	WG1272563
1,2-Dichloropropane	U		0.190	0.500	1	04/26/2019 18:47	WG1272563
1,1-Dichloropropene	U		0.128	0.500	1	04/26/2019 18:47	WG1272563
1,3-Dichloropropane	U		0.147	1.00	1	04/26/2019 18:47	WG1272563
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/26/2019 18:47	WG1272563
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/26/2019 18:47	WG1272563
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/26/2019 18:47	WG1272563
2,2-Dichloropropane	U		0.0929	0.500	1	04/26/2019 18:47	WG1272563
Di-isopropyl ether	U		0.0924	0.500	1	04/26/2019 18:47	WG1272563
Ethylbenzene	U		0.158	0.500	1	04/26/2019 18:47	WG1272563
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/26/2019 18:47	WG1272563
2-Hexanone	U	J3	0.757	5.00	1	04/26/2019 18:47	WG1272563
n-Hexane	U		0.305	5.00	1	04/26/2019 18:47	WG1272563
Iodomethane	U		0.377	10.0	1	04/26/2019 18:47	WG1272563
Isopropylbenzene	U		0.126	0.500	1	04/26/2019 18:47	WG1272563
p-Isopropyltoluene	U		0.138	0.500	1	04/26/2019 18:47	WG1272563
2-Butanone (MEK)	U		1.28	5.00	1	04/26/2019 18:47	WG1272563
Methylene Chloride	U		1.07	2.50	1	04/26/2019 18:47	WG1272563
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/26/2019 18:47	WG1272563
Methyl tert-butyl ether	U		0.102	0.500	1	04/26/2019 18:47	WG1272563
Naphthalene	U		0.174	2.50	1	04/26/2019 18:47	WG1272563
n-Propylbenzene	U		0.162	0.500	1	04/26/2019 18:47	WG1272563
Styrene	U		0.117	0.500	1	04/26/2019 18:47	WG1272563
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/26/2019 18:47	WG1272563
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/26/2019 18:47	WG1272563
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/26/2019 18:47	WG1272563
Tetrachloroethene	1440		9.95	25.0	50	05/02/2019 10:41	WG1274830
Toluene	U		0.412	0.500	1	04/26/2019 18:47	WG1272563
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/26/2019 18:47	WG1272563
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/26/2019 18:47	WG1272563
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/26/2019 18:47	WG1272563
1,1,2-Trichloroethane	U		0.186	0.500	1	04/26/2019 18:47	WG1272563
Trichloroethene	717		7.65	25.0	50	05/02/2019 10:41	WG1274830
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/26/2019 18:47	WG1272563
1,2,3-Trichloropropane	U		0.247	2.50	1	04/26/2019 18:47	WG1272563
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/26/2019 18:47	WG1272563
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/26/2019 18:47	WG1272563
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/26/2019 18:47	WG1272563

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/26/2019 18:47	WG1272563
Vinyl chloride	3.34	J0	0.118	0.500	1	04/26/2019 18:47	WG1272563
Xylenes, Total	U		0.316	1.50	1	04/26/2019 18:47	WG1272563
(S) Toluene-d8	*100*			*80.0-120*		*04/26/2019 18:47*	WG1272563
(S) Toluene-d8	*108*			*80.0-120*		*05/02/2019 10:41*	WG1274830
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*04/26/2019 18:47*	WG1272563
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*05/02/2019 10:41*	WG1274830
(S) 1,2-Dichloroethane-d4	*90.2*			*70.0-130*		*04/26/2019 18:47*	WG1272563
(S) 1,2-Dichloroethane-d4	*90.2*			*70.0-130*		*05/02/2019 10:41*	WG1274830

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	798000		2710	20000	1	05/02/2019 03:00	WG1273787

Sample Narrative:

L1092440-04 WG1273787: Endpoint pH 4.5 headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	9760		51.9	1000	1	04/25/2019 18:28	WG1271815
Nitrate	U		22.7	100	1	04/25/2019 18:28	WG1271815
Sulfate	27300		77.4	5000	1	04/25/2019 18:28	WG1271815

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	31700		102	1000	1	04/26/2019 16:00	WG1272254

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3500		15.0	100	1	05/07/2019 22:01	WG1271844
Manganese	1990		0.250	5.00	1	05/07/2019 22:01	WG1271844

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/26/2019 05:17	WG1272107
(S) a,a,a-Trifluorotoluene(FID)	*111*			*78.0-120*		*04/26/2019 05:17*	WG1272107

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	3560		0.287	0.678	1	05/02/2019 11:08	WG1274563
Ethane	19.2		0.296	1.29	1	05/02/2019 11:08	WG1274563
Ethene	U		0.422	1.27	1	05/02/2019 11:08	WG1274563

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	2.52	J J0	1.05	25.0	1	04/26/2019 19:07	WG1272563
Acrylonitrile	U		0.873	5.00	1	04/26/2019 19:07	WG1272563
Benzene	0.361	J	0.0896	0.500	1	04/26/2019 19:07	WG1272563
Bromobenzene	U		0.133	0.500	1	04/26/2019 19:07	WG1272563
Bromodichloromethane	U		0.0800	0.500	1	04/26/2019 19:07	WG1272563
Bromochloromethane	U		0.145	0.500	1	04/26/2019 19:07	WG1272563
Bromoform	U		0.186	0.500	1	04/26/2019 19:07	WG1272563
Bromomethane	U	J0	0.157	2.50	1	04/26/2019 19:07	WG1272563
n-Butylbenzene	U		0.143	0.500	1	04/26/2019 19:07	WG1272563
sec-Butylbenzene	U		0.134	0.500	1	04/26/2019 19:07	WG1272563
tert-Butylbenzene	U		0.183	0.500	1	04/26/2019 19:07	WG1272563
Carbon disulfide	U		0.101	0.500	1	04/26/2019 19:07	WG1272563
Carbon tetrachloride	U		0.159	0.500	1	04/26/2019 19:07	WG1272563

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/26/2019 19:07	WG1272563
Chlorodibromomethane	U		0.128	0.500	1	04/26/2019 19:07	WG1272563
Chloroethane	U	J0	0.141	2.50	1	04/26/2019 19:07	WG1272563
Chloroform	U		0.0860	0.500	1	04/26/2019 19:07	WG1272563
Chloromethane	U		0.153	1.25	1	04/26/2019 19:07	WG1272563
2-Chlorotoluene	U		0.111	0.500	1	04/26/2019 19:07	WG1272563
4-Chlorotoluene	U		0.0972	0.500	1	04/26/2019 19:07	WG1272563
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/26/2019 19:07	WG1272563
1,2-Dibromoethane	U		0.193	0.500	1	04/26/2019 19:07	WG1272563
Dibromomethane	U		0.117	0.500	1	04/26/2019 19:07	WG1272563
1,2-Dichlorobenzene	U		0.101	0.500	1	04/26/2019 19:07	WG1272563
1,3-Dichlorobenzene	U		0.130	0.500	1	04/26/2019 19:07	WG1272563
1,4-Dichlorobenzene	U		0.121	0.500	1	04/26/2019 19:07	WG1272563
Dichlorodifluoromethane	U		0.127	2.50	1	04/26/2019 19:07	WG1272563
1,1-Dichloroethane	U		0.114	0.500	1	04/26/2019 19:07	WG1272563
1,2-Dichloroethane	U		0.108	0.500	1	04/26/2019 19:07	WG1272563
1,1-Dichloroethene	U		0.188	0.500	1	04/26/2019 19:07	WG1272563
cis-1,2-Dichloroethene	5.67		0.0933	0.500	1	05/02/2019 10:21	WG1274830
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/26/2019 19:07	WG1272563
1,2-Dichloropropane	U		0.190	0.500	1	04/26/2019 19:07	WG1272563
1,1-Dichloropropene	U		0.128	0.500	1	04/26/2019 19:07	WG1272563
1,3-Dichloropropane	U		0.147	1.00	1	04/26/2019 19:07	WG1272563
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/26/2019 19:07	WG1272563
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/26/2019 19:07	WG1272563
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/26/2019 19:07	WG1272563
2,2-Dichloropropane	U		0.0929	0.500	1	04/26/2019 19:07	WG1272563
Di-isopropyl ether	U		0.0924	0.500	1	04/26/2019 19:07	WG1272563
Ethylbenzene	U		0.158	0.500	1	04/26/2019 19:07	WG1272563
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/26/2019 19:07	WG1272563
2-Hexanone	U	J3	0.757	5.00	1	04/26/2019 19:07	WG1272563
n-Hexane	U		0.305	5.00	1	04/26/2019 19:07	WG1272563
Iodomethane	U		0.377	10.0	1	04/26/2019 19:07	WG1272563
Isopropylbenzene	U		0.126	0.500	1	04/26/2019 19:07	WG1272563
p-Isopropyltoluene	U		0.138	0.500	1	04/26/2019 19:07	WG1272563
2-Butanone (MEK)	U		1.28	5.00	1	04/26/2019 19:07	WG1272563
Methylene Chloride	U		1.07	2.50	1	04/26/2019 19:07	WG1272563
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/26/2019 19:07	WG1272563
Methyl tert-butyl ether	U		0.102	0.500	1	04/26/2019 19:07	WG1272563
Naphthalene	U		0.174	2.50	1	04/26/2019 19:07	WG1272563
n-Propylbenzene	U		0.162	0.500	1	04/26/2019 19:07	WG1272563
Styrene	U		0.117	0.500	1	04/26/2019 19:07	WG1272563
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/26/2019 19:07	WG1272563
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/26/2019 19:07	WG1272563
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/26/2019 19:07	WG1272563
Tetrachloroethene	U		0.199	0.500	1	05/02/2019 10:21	WG1274830
Toluene	U		0.412	0.500	1	04/26/2019 19:07	WG1272563
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/26/2019 19:07	WG1272563
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/26/2019 19:07	WG1272563
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/26/2019 19:07	WG1272563
1,1,2-Trichloroethane	U		0.186	0.500	1	04/26/2019 19:07	WG1272563
Trichloroethene	0.156	J	0.153	0.500	1	05/02/2019 10:21	WG1274830
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/26/2019 19:07	WG1272563
1,2,3-Trichloropropane	U		0.247	2.50	1	04/26/2019 19:07	WG1272563
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/26/2019 19:07	WG1272563
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/26/2019 19:07	WG1272563
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/26/2019 19:07	WG1272563

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/26/2019 19:07	WG1272563
Vinyl chloride	4.39	J0	0.118	0.500	1	04/26/2019 19:07	WG1272563
Xylenes, Total	U		0.316	1.50	1	04/26/2019 19:07	WG1272563
(S) Toluene-d8	*100*			*80.0-120*		*04/26/2019 19:07*	WG1272563
(S) Toluene-d8	*107*			*80.0-120*		*05/02/2019 10:21*	WG1274830
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*04/26/2019 19:07*	WG1272563
(S) 4-Bromofluorobenzene	*97.3*			*77.0-126*		*05/02/2019 10:21*	WG1274830
(S) 1,2-Dichloroethane-d4	*92.9*			*70.0-130*		*04/26/2019 19:07*	WG1272563
(S) 1,2-Dichloroethane-d4	*89.2*			*70.0-130*		*05/02/2019 10:21*	WG1274830

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	618000		2710	20000	1	05/02/2019 03:08	WG1273787

Sample Narrative:

L1092440-05 WG1273787: Endpoint pH 4.5 headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	18600		51.9	1000	1	04/25/2019 19:21	WG1271815
Nitrate	U		22.7	100	1	04/25/2019 19:21	WG1271815
Sulfate	145000		387	25000	5	04/26/2019 01:34	WG1271815

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	57300		102	1000	1	04/26/2019 16:20	WG1272254

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3810		15.0	100	1	05/07/2019 22:05	WG1271844
Manganese	9010		0.250	5.00	1	05/07/2019 22:05	WG1271844

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	2570		31.6	100	1	04/26/2019 05:41	WG1272107
(S) a,a,a-Trifluorotoluene(FID)	*112*			*78.0-120*		*04/26/2019 05:41*	WG1272107

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1720		0.287	0.678	1	05/02/2019 11:12	WG1274563
Ethane	31.2		0.296	1.29	1	05/02/2019 11:12	WG1274563
Ethene	U		0.422	1.27	1	05/02/2019 11:12	WG1274563

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	2.00	J J0	1.05	25.0	1	04/26/2019 19:27	WG1272563
Acrylonitrile	U		0.873	5.00	1	04/26/2019 19:27	WG1272563
Benzene	0.339	J	0.0896	0.500	1	04/26/2019 19:27	WG1272563
Bromobenzene	U		0.133	0.500	1	04/26/2019 19:27	WG1272563
Bromodichloromethane	U		0.0800	0.500	1	04/26/2019 19:27	WG1272563
Bromochloromethane	U		0.145	0.500	1	04/26/2019 19:27	WG1272563
Bromoform	U		0.186	0.500	1	04/26/2019 19:27	WG1272563
Bromomethane	U	J0	0.157	2.50	1	04/26/2019 19:27	WG1272563
n-Butylbenzene	U		0.143	0.500	1	04/26/2019 19:27	WG1272563
sec-Butylbenzene	U		0.134	0.500	1	04/26/2019 19:27	WG1272563
tert-Butylbenzene	U		0.183	0.500	1	04/26/2019 19:27	WG1272563
Carbon disulfide	U		0.101	0.500	1	04/26/2019 19:27	WG1272563
Carbon tetrachloride	U		0.159	0.500	1	04/26/2019 19:27	WG1272563

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/26/2019 19:27	WG1272563
Chlorodibromomethane	U		0.128	0.500	1	04/26/2019 19:27	WG1272563
Chloroethane	U	J0	0.141	2.50	1	04/26/2019 19:27	WG1272563
Chloroform	U		0.0860	0.500	1	04/26/2019 19:27	WG1272563
Chloromethane	U		0.153	1.25	1	04/26/2019 19:27	WG1272563
2-Chlorotoluene	U		0.111	0.500	1	04/26/2019 19:27	WG1272563
4-Chlorotoluene	U		0.0972	0.500	1	04/26/2019 19:27	WG1272563
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/26/2019 19:27	WG1272563
1,2-Dibromoethane	U		0.193	0.500	1	04/26/2019 19:27	WG1272563
Dibromomethane	U		0.117	0.500	1	04/26/2019 19:27	WG1272563
1,2-Dichlorobenzene	U		0.101	0.500	1	04/26/2019 19:27	WG1272563
1,3-Dichlorobenzene	U		0.130	0.500	1	04/26/2019 19:27	WG1272563
1,4-Dichlorobenzene	U		0.121	0.500	1	04/26/2019 19:27	WG1272563
Dichlorodifluoromethane	U		0.127	2.50	1	04/26/2019 19:27	WG1272563
1,1-Dichloroethane	U		0.114	0.500	1	04/26/2019 19:27	WG1272563
1,2-Dichloroethane	U		0.108	0.500	1	04/26/2019 19:27	WG1272563
1,1-Dichloroethene	12.3		0.188	0.500	1	04/26/2019 19:27	WG1272563
cis-1,2-Dichloroethene	1770		4.66	25.0	50	05/02/2019 11:00	WG1274830
trans-1,2-Dichloroethene	9.41		0.152	0.500	1	04/26/2019 19:27	WG1272563
1,2-Dichloropropane	U		0.190	0.500	1	04/26/2019 19:27	WG1272563
1,1-Dichloropropene	U		0.128	0.500	1	04/26/2019 19:27	WG1272563
1,3-Dichloropropane	U		0.147	1.00	1	04/26/2019 19:27	WG1272563
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/26/2019 19:27	WG1272563
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/26/2019 19:27	WG1272563
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/26/2019 19:27	WG1272563
2,2-Dichloropropane	U		0.0929	0.500	1	04/26/2019 19:27	WG1272563
Di-isopropyl ether	U		0.0924	0.500	1	04/26/2019 19:27	WG1272563
Ethylbenzene	U		0.158	0.500	1	04/26/2019 19:27	WG1272563
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/26/2019 19:27	WG1272563
2-Hexanone	U	J3	0.757	5.00	1	04/26/2019 19:27	WG1272563
n-Hexane	U		0.305	5.00	1	04/26/2019 19:27	WG1272563
Iodomethane	U		0.377	10.0	1	04/26/2019 19:27	WG1272563
Isopropylbenzene	U		0.126	0.500	1	04/26/2019 19:27	WG1272563
p-Isopropyltoluene	U		0.138	0.500	1	04/26/2019 19:27	WG1272563
2-Butanone (MEK)	U		1.28	5.00	1	04/26/2019 19:27	WG1272563
Methylene Chloride	U		1.07	2.50	1	04/26/2019 19:27	WG1272563
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/26/2019 19:27	WG1272563
Methyl tert-butyl ether	U		0.102	0.500	1	04/26/2019 19:27	WG1272563
Naphthalene	U		0.174	2.50	1	04/26/2019 19:27	WG1272563
n-Propylbenzene	U		0.162	0.500	1	04/26/2019 19:27	WG1272563
Styrene	U		0.117	0.500	1	04/26/2019 19:27	WG1272563
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/26/2019 19:27	WG1272563
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/26/2019 19:27	WG1272563
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/26/2019 19:27	WG1272563
Tetrachloroethene	1430		9.95	25.0	50	05/02/2019 11:00	WG1274830
Toluene	U		0.412	0.500	1	04/26/2019 19:27	WG1272563
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/26/2019 19:27	WG1272563
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/26/2019 19:27	WG1272563
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/26/2019 19:27	WG1272563
1,1,2-Trichloroethane	U		0.186	0.500	1	04/26/2019 19:27	WG1272563
Trichloroethene	727		7.65	25.0	50	05/02/2019 11:00	WG1274830
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/26/2019 19:27	WG1272563
1,2,3-Trichloropropane	U		0.247	2.50	1	04/26/2019 19:27	WG1272563
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/26/2019 19:27	WG1272563
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/26/2019 19:27	WG1272563
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/26/2019 19:27	WG1272563

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/26/2019 19:27	WG1272563
Vinyl chloride	3.21	J0	0.118	0.500	1	04/26/2019 19:27	WG1272563
Xylenes, Total	U		0.316	1.50	1	04/26/2019 19:27	WG1272563
(S) Toluene-d8	*96.4*			*80.0-120*		*04/26/2019 19:27*	WG1272563
(S) Toluene-d8	*106*			*80.0-120*		*05/02/2019 11:00*	WG1274830
(S) 4-Bromofluorobenzene	*99.4*			*77.0-126*		*04/26/2019 19:27*	WG1272563
(S) 4-Bromofluorobenzene	*99.5*			*77.0-126*		*05/02/2019 11:00*	WG1274830
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*04/26/2019 19:27*	WG1272563
(S) 1,2-Dichloroethane-d4	*91.1*			*70.0-130*		*05/02/2019 11:00*	WG1274830

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	513000		2710	20000	1	05/02/2019 03:22	WG1273787

Sample Narrative:

L1092440-06 WG1273787: Endpoint pH 4.5 headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	34100		51.9	1000	1	04/25/2019 19:39	WG1271815
Nitrate	U		22.7	100	1	04/25/2019 19:39	WG1271815
Sulfate	95000		77.4	5000	1	04/25/2019 19:39	WG1271815

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	39500		102	1000	1	04/26/2019 16:35	WG1272254

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	9400		15.0	100	1	05/07/2019 22:58	WG1271844
Manganese	2130		0.250	5.00	1	05/07/2019 22:58	WG1271844

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	3210		31.6	100	1	04/26/2019 06:05	WG1272107
(S) a,a,a-Trifluorotoluene(FID)	*112*			*78.0-120*		*04/26/2019 06:05*	WG1272107

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	5510		0.287	0.678	1	05/02/2019 11:25	WG1274563
Ethane	36.0		0.296	1.29	1	05/02/2019 11:25	WG1274563
Ethene	119		0.422	1.27	1	05/02/2019 11:25	WG1274563

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	3.28	J JO	1.05	25.0	1	04/26/2019 19:47	WG1272563
Acrylonitrile	U		0.873	5.00	1	04/26/2019 19:47	WG1272563
Benzene	0.254	J	0.0896	0.500	1	04/26/2019 19:47	WG1272563
Bromobenzene	U		0.133	0.500	1	04/26/2019 19:47	WG1272563
Bromodichloromethane	U		0.0800	0.500	1	04/26/2019 19:47	WG1272563
Bromochloromethane	U		0.145	0.500	1	04/26/2019 19:47	WG1272563
Bromoform	U		0.186	0.500	1	04/26/2019 19:47	WG1272563
Bromomethane	U	JO	0.157	2.50	1	04/26/2019 19:47	WG1272563
n-Butylbenzene	U		0.143	0.500	1	04/26/2019 19:47	WG1272563
sec-Butylbenzene	U		0.134	0.500	1	04/26/2019 19:47	WG1272563
tert-Butylbenzene	U		0.183	0.500	1	04/26/2019 19:47	WG1272563
Carbon disulfide	0.137	J	0.101	0.500	1	04/26/2019 19:47	WG1272563
Carbon tetrachloride	U		0.159	0.500	1	04/26/2019 19:47	WG1272563

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/26/2019 19:47	WG1272563
Chlorodibromomethane	U		0.128	0.500	1	04/26/2019 19:47	WG1272563
Chloroethane	0.752	J J0	0.141	2.50	1	04/26/2019 19:47	WG1272563
Chloroform	U		0.0860	0.500	1	04/26/2019 19:47	WG1272563
Chloromethane	U		0.153	1.25	1	04/26/2019 19:47	WG1272563
2-Chlorotoluene	U		0.111	0.500	1	04/26/2019 19:47	WG1272563
4-Chlorotoluene	U		0.0972	0.500	1	04/26/2019 19:47	WG1272563
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/26/2019 19:47	WG1272563
1,2-Dibromoethane	U		0.193	0.500	1	04/26/2019 19:47	WG1272563
Dibromomethane	U		0.117	0.500	1	04/26/2019 19:47	WG1272563
1,2-Dichlorobenzene	U		0.101	0.500	1	04/26/2019 19:47	WG1272563
1,3-Dichlorobenzene	U		0.130	0.500	1	04/26/2019 19:47	WG1272563
1,4-Dichlorobenzene	U		0.121	0.500	1	04/26/2019 19:47	WG1272563
Dichlorodifluoromethane	U		0.127	2.50	1	04/26/2019 19:47	WG1272563
1,1-Dichloroethane	U		0.114	0.500	1	04/26/2019 19:47	WG1272563
1,2-Dichloroethane	U		0.108	0.500	1	04/26/2019 19:47	WG1272563
1,1-Dichloroethene	11.7		0.188	0.500	1	04/26/2019 19:47	WG1272563
cis-1,2-Dichloroethene	3550		4.66	25.0	50	05/02/2019 11:20	WG1274830
trans-1,2-Dichloroethene	15.9		0.152	0.500	1	04/26/2019 19:47	WG1272563
1,2-Dichloropropane	U		0.190	0.500	1	04/26/2019 19:47	WG1272563
1,1-Dichloropropene	U		0.128	0.500	1	04/26/2019 19:47	WG1272563
1,3-Dichloropropane	U		0.147	1.00	1	04/26/2019 19:47	WG1272563
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/26/2019 19:47	WG1272563
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/26/2019 19:47	WG1272563
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/26/2019 19:47	WG1272563
2,2-Dichloropropane	U		0.0929	0.500	1	04/26/2019 19:47	WG1272563
Di-isopropyl ether	U		0.0924	0.500	1	04/26/2019 19:47	WG1272563
Ethylbenzene	U		0.158	0.500	1	04/26/2019 19:47	WG1272563
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/26/2019 19:47	WG1272563
2-Hexanone	U	J3	0.757	5.00	1	04/26/2019 19:47	WG1272563
n-Hexane	U		0.305	5.00	1	04/26/2019 19:47	WG1272563
Iodomethane	U		0.377	10.0	1	04/26/2019 19:47	WG1272563
Isopropylbenzene	U		0.126	0.500	1	04/26/2019 19:47	WG1272563
p-Isopropyltoluene	U		0.138	0.500	1	04/26/2019 19:47	WG1272563
2-Butanone (MEK)	U		1.28	5.00	1	04/26/2019 19:47	WG1272563
Methylene Chloride	U		1.07	2.50	1	04/26/2019 19:47	WG1272563
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/26/2019 19:47	WG1272563
Methyl tert-butyl ether	U		0.102	0.500	1	04/26/2019 19:47	WG1272563
Naphthalene	U		0.174	2.50	1	04/26/2019 19:47	WG1272563
n-Propylbenzene	U		0.162	0.500	1	04/26/2019 19:47	WG1272563
Styrene	U		0.117	0.500	1	04/26/2019 19:47	WG1272563
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/26/2019 19:47	WG1272563
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/26/2019 19:47	WG1272563
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/26/2019 19:47	WG1272563
Tetrachloroethene	U		9.95	25.0	50	05/02/2019 11:20	WG1274830
Toluene	U		0.412	0.500	1	04/26/2019 19:47	WG1272563
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/26/2019 19:47	WG1272563
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/26/2019 19:47	WG1272563
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/26/2019 19:47	WG1272563
1,1,2-Trichloroethane	U		0.186	0.500	1	04/26/2019 19:47	WG1272563
Trichloroethene	8.52	J	7.65	25.0	50	05/02/2019 11:20	WG1274830
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/26/2019 19:47	WG1272563
1,2,3-Trichloropropane	U		0.247	2.50	1	04/26/2019 19:47	WG1272563
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/26/2019 19:47	WG1272563
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/26/2019 19:47	WG1272563
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/26/2019 19:47	WG1272563

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/26/2019 19:47	WG1272563
Vinyl chloride	622		5.90	25.0	50	05/02/2019 11:20	WG1274830
Xylenes, Total	U		0.316	1.50	1	04/26/2019 19:47	WG1272563
(S) Toluene-d8	*101*			*80.0-120*		*04/26/2019 19:47*	WG1272563
(S) Toluene-d8	*106*			*80.0-120*		*05/02/2019 11:20*	WG1274830
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*04/26/2019 19:47*	WG1272563
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*05/02/2019 11:20*	WG1274830
(S) 1,2-Dichloroethane-d4	*92.8*			*70.0-130*		*04/26/2019 19:47*	WG1272563
(S) 1,2-Dichloroethane-d4	*91.4*			*70.0-130*		*05/02/2019 11:20*	WG1274830

Sample Narrative:

L1092440-06 WG1272563, WG1274830: Not all compounds reportable at lower dilution.

L1092440-06 WG1272563, WG1274830: Cannot be re-analyzed at a lower dilution due to high levels of target analytes.

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	05/02/2019 15:18	WG1275218
(S) a,a,a-Trifluorotoluene(FID)	*98.4*			*78.0-120*		*05/02/2019 15:18*	WG1275218

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	1.58	J J0	1.05	25.0	1	04/26/2019 17:27	WG1272563
Acrylonitrile	U		0.873	5.00	1	04/26/2019 17:27	WG1272563
Benzene	U		0.0896	0.500	1	04/26/2019 17:27	WG1272563
Bromobenzene	U		0.133	0.500	1	04/26/2019 17:27	WG1272563
Bromodichloromethane	U		0.0800	0.500	1	04/26/2019 17:27	WG1272563
Bromochloromethane	U		0.145	0.500	1	04/26/2019 17:27	WG1272563
Bromoform	U		0.186	0.500	1	04/26/2019 17:27	WG1272563
Bromomethane	U	J0	0.157	2.50	1	04/26/2019 17:27	WG1272563
n-Butylbenzene	U		0.143	0.500	1	04/26/2019 17:27	WG1272563
sec-Butylbenzene	U		0.134	0.500	1	04/26/2019 17:27	WG1272563
tert-Butylbenzene	U		0.183	0.500	1	04/26/2019 17:27	WG1272563
Carbon disulfide	U		0.101	0.500	1	04/26/2019 17:27	WG1272563
Carbon tetrachloride	U		0.159	0.500	1	04/26/2019 17:27	WG1272563
Chlorobenzene	U		0.140	0.500	1	04/26/2019 17:27	WG1272563
Chlorodibromomethane	U		0.128	0.500	1	04/26/2019 17:27	WG1272563
Chloroethane	U	J0	0.141	2.50	1	04/26/2019 17:27	WG1272563
Chloroform	U		0.0860	0.500	1	04/26/2019 17:27	WG1272563
Chloromethane	U		0.153	1.25	1	04/26/2019 17:27	WG1272563
2-Chlorotoluene	U		0.111	0.500	1	04/26/2019 17:27	WG1272563
4-Chlorotoluene	U		0.0972	0.500	1	04/26/2019 17:27	WG1272563
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/26/2019 17:27	WG1272563
1,2-Dibromoethane	U		0.193	0.500	1	04/26/2019 17:27	WG1272563
Dibromomethane	U		0.117	0.500	1	04/26/2019 17:27	WG1272563
1,2-Dichlorobenzene	U		0.101	0.500	1	04/26/2019 17:27	WG1272563
1,3-Dichlorobenzene	U		0.130	0.500	1	04/26/2019 17:27	WG1272563
1,4-Dichlorobenzene	U		0.121	0.500	1	04/26/2019 17:27	WG1272563
Dichlorodifluoromethane	U		0.127	2.50	1	04/26/2019 17:27	WG1272563
1,1-Dichloroethane	U		0.114	0.500	1	04/26/2019 17:27	WG1272563
1,2-Dichloroethane	U		0.108	0.500	1	04/26/2019 17:27	WG1272563
1,1-Dichloroethene	U		0.188	0.500	1	04/26/2019 17:27	WG1272563
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/26/2019 17:27	WG1272563
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/26/2019 17:27	WG1272563
1,2-Dichloropropane	U		0.190	0.500	1	04/26/2019 17:27	WG1272563
1,1-Dichloropropene	U		0.128	0.500	1	04/26/2019 17:27	WG1272563
1,3-Dichloropropane	U		0.147	1.00	1	04/26/2019 17:27	WG1272563
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/26/2019 17:27	WG1272563
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/26/2019 17:27	WG1272563
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/26/2019 17:27	WG1272563
2,2-Dichloropropane	U		0.0929	0.500	1	04/26/2019 17:27	WG1272563
Di-isopropyl ether	U		0.0924	0.500	1	04/26/2019 17:27	WG1272563
Ethylbenzene	U		0.158	0.500	1	04/26/2019 17:27	WG1272563
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/26/2019 17:27	WG1272563
2-Hexanone	U	J3	0.757	5.00	1	04/26/2019 17:27	WG1272563
n-Hexane	U		0.305	5.00	1	04/26/2019 17:27	WG1272563
Iodomethane	U		0.377	10.0	1	04/26/2019 17:27	WG1272563
Isopropylbenzene	U		0.126	0.500	1	04/26/2019 17:27	WG1272563
p-Isopropyltoluene	U		0.138	0.500	1	04/26/2019 17:27	WG1272563
2-Butanone (MEK)	U		1.28	5.00	1	04/26/2019 17:27	WG1272563

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/26/2019 17:27	WG1272563
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/26/2019 17:27	WG1272563
Methyl tert-butyl ether	U		0.102	0.500	1	04/26/2019 17:27	WG1272563
Naphthalene	U		0.174	2.50	1	04/26/2019 17:27	WG1272563
n-Propylbenzene	U		0.162	0.500	1	04/26/2019 17:27	WG1272563
Styrene	U		0.117	0.500	1	04/26/2019 17:27	WG1272563
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/26/2019 17:27	WG1272563
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/26/2019 17:27	WG1272563
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/26/2019 17:27	WG1272563
Tetrachloroethene	U		0.199	0.500	1	04/26/2019 17:27	WG1272563
Toluene	U		0.412	0.500	1	04/26/2019 17:27	WG1272563
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/26/2019 17:27	WG1272563
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/26/2019 17:27	WG1272563
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/26/2019 17:27	WG1272563
1,1,2-Trichloroethane	U		0.186	0.500	1	04/26/2019 17:27	WG1272563
Trichloroethene	U		0.153	0.500	1	04/26/2019 17:27	WG1272563
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/26/2019 17:27	WG1272563
1,2,3-Trichloropropane	U		0.247	2.50	1	04/26/2019 17:27	WG1272563
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/26/2019 17:27	WG1272563
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/26/2019 17:27	WG1272563
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/26/2019 17:27	WG1272563
Vinyl acetate	U		0.645	5.00	1	04/26/2019 17:27	WG1272563
Vinyl chloride	U	J0	0.118	0.500	1	04/26/2019 17:27	WG1272563
Xylenes, Total	U		0.316	1.50	1	04/26/2019 17:27	WG1272563
(S) Toluene-d8	*97.1*			*80.0-120*		*04/26/2019 17:27*	WG1272563
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*04/26/2019 17:27*	WG1272563
(S) 1,2-Dichloroethane-d4	*90.1*			*70.0-130*		*04/26/2019 17:27*	WG1272563

Method Blank (MB)

(MB) R3407366-1 05/02/19 00:50

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Alkalinity	3430	J	2710	20000

Sample Narrative:

BLANK: Endpoint pH 4.5

L1092404-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1092404-05 05/02/19 00:56 • (DUP) R3407366-2 05/02/19 01:03

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	237000	191000	1	21.6	J3	20

Sample Narrative:

OS: Endpoint pH 4.5 headspace

DUP: Endpoint pH 4.5

L1092472-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1092472-01 05/02/19 03:29 • (DUP) R3407366-4 05/02/19 03:35

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	756000	761000	1	0.671		20

Sample Narrative:

OS: Endpoint pH 4.5 headspace

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3407366-3 05/02/19 01:58

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Alkalinity	100000	103000	103	85.0-115	

Sample Narrative:

LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R3405528-1 04/25/19 11:04

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Chloride	U		51.9	1000
Nitrate	U		22.7	100
Sulfate	U		77.4	5000

L1092431-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1092431-02 04/25/19 15:47 • (DUP) R3405528-3 04/25/19 16:04

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	20400	20500	1	0.120		15
Nitrate	ND	0.000	1	0.000		15
Sulfate	7450	7480	1	0.344		15

L1092440-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1092440-06 04/25/19 19:39 • (DUP) R3405528-6 04/25/19 19:57

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	34100	34000	1	0.427		15
Nitrate	U	0.000	1	0.000		15
Sulfate	95000	95200	1	0.256		15

Laboratory Control Sample (LCS)

(LCS) R3405528-2 04/25/19 11:22

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40000	40200	100	80.0-120	
Nitrate	8000	8320	104	80.0-120	
Sulfate	40000	40400	101	80.0-120	

L1092431-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1092431-02 04/25/19 15:47 • (MS) R3405528-4 04/25/19 16:22 • (MSD) R3405528-5 04/25/19 16:40

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 %
Chloride	50000	20400	68800	69100	96.7	97.3	1	80.0-120			0.496	15
Nitrate	5000	ND	4770	4810	95.4	96.2	1	80.0-120			0.787	15
Sulfate	50000	7450	56100	56200	97.3	97.5	1	80.0-120			0.214	15

L1092440-06 Original Sample (OS) • Matrix Spike (MS)

(OS) L1092440-06 04/25/19 19:39 • (MS) R3405528-7 04/25/19 20:15

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	34100	79500	90.7	1	80.0-120	
Nitrate	5000	U	4770	95.4	1	80.0-120	
Sulfate	50000	95000	140000	90.5	1	80.0-120	E

Method Blank (MB)

(MB) R3406229-1 04/26/19 11:55

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	290	J	102	1000

L1092440-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1092440-06 04/26/19 16:35 • (DUP) R3406229-5 04/26/19 16:50

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	39500	38600	1	2.46		20

L1092716-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1092716-10 04/26/19 20:39 • (DUP) R3406229-8 04/26/19 20:54

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	99500	101000	2	1.84		20

Laboratory Control Sample (LCS)

(LCS) R3406229-2 04/26/19 12:31

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75000	75900	101	85.0-115	

L1092431-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1092431-15 04/26/19 13:36 • (MS) R3406229-3 04/26/19 13:53 • (MSD) R3406229-4 04/26/19 14:09

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50000	10200	57900	57500	95.3	94.6	1	80.0-120			0.641	20

L1092716-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1092716-03 04/26/19 17:29 • (MS) R3406229-6 04/26/19 17:46 • (MSD) R3406229-7 04/26/19 19:03

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50000	ND	48800	48400	96.1	95.4	1	80.0-120			0.720	20

Method Blank (MB)

(MB) R3409057-1 05/07/19 20:17

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Iron	87.3	J	15.0	100
Manganese	1.84	J	0.250	5.00

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

(LCS) R3409057-2 05/07/19 20:22 • (LCSD) R3409057-3 05/07/19 20:26

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 %
Iron	500	449	441	89.8	88.1	80.0-120			1.93	20
Manganese	50.0	45.5	44.5	91.0	89.1	80.0-120			2.10	20

L1092880-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1092880-01 05/07/19 20:31 • (MS) R3409057-5 05/07/19 20:40 • (MSD) R3409057-6 05/07/19 20:45

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Iron	500	12400	13900	13700	286	251	1	75.0-125	V	V	1.26	20
Manganese	50.0	393	440	449	93.4	111	1	75.0-125			2.01	20

Method Blank (MB)

(MB) R3406246-2 04/25/19 22:30

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	U		31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*111*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3406246-1 04/25/19 21:42

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	6260	114	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*94.6*	*78.0-120*	

Method Blank (MB)

(MB) R3407657-3 05/02/19 14:16

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)	*98.4*			*78.0-120*

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

(LCS) R3407657-1 05/02/19 13:04 • (LCSD) R3407657-2 05/02/19 13:28

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	5280	5110	95.9	92.9	70.0-124			3.26	20
(S) a,a,a-Trifluorotoluene(FID)				*104*	*104*	*78.0-120*				

L1094387-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1094387-05 05/02/19 18:28 • (MS) R3407657-4 05/02/19 23:14 • (MSD) R3407657-5 05/02/19 23:38

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5500	U	5760	5590	105	102	1	10.0-155			2.92	21
(S) a,a,a-Trifluorotoluene(FID)					*107*	*107*		*78.0-120*				

Method Blank (MB)

(MB) R3407462-1 05/02/19 08:41

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

L1092426-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1092426-09 05/02/19 09:09 • (DUP) R3407462-2 05/02/19 10:16

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

L1092440-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1092440-05 05/02/19 11:12 • (DUP) R3407462-3 05/02/19 11:36

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	1720	1710	1	0.589		20
Ethane	31.2	30.6	1	1.98		20
Ethene	U	0.000	1	0.000		20

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

(LCS) R3407462-4 05/02/19 11:40 • (LCSD) R3407462-5 05/02/19 11:52

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	77.2	77.1	114	114	85.0-115			0.205	20
Ethane	129	117	120	90.8	92.9	85.0-115			2.32	20
Ethene	127	115	121	90.8	95.2	85.0-115			4.68	20

Method Blank (MB)

(MB) R3407693-1 05/02/19 16:49

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

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

(LCS) R3407693-3 05/02/19 18:03 • (LCSD) R3407693-4 05/02/19 18:08

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	77.6	73.5	114	108	85.0-115			5.43	20

Method Blank (MB)

(MB) R3407258-3 04/26/19 16:26

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromochloromethane	U		0.145	0.500
Bromodichloromethane	U		0.0800	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
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) R3407258-3 04/26/19 16:26

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
n-Hexane	U		0.305	5.00
Di-isopropyl ether	U		0.0924	0.500
Iodomethane	U		0.377	10.0
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
Tetrachloroethene	U		0.199	0.500
Vinyl acetate	U		0.645	5.00
Toluene	U		0.412	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,2,4-Trimethylbenzene	U		0.123	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*97.5*			*80.0-120*
(S) 4-Bromofluorobenzene	*104*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*91.0*			*70.0-130*

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

(LCS) R3407258-1 04/26/19 15:27 • (LCSD) R3407258-2 04/26/19 15:46

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	23.5	22.9	94.0	91.7	76.0-122			2.40	20
Acetone	125	165	141	132	113	19.0-160			15.5	27
Acrylonitrile	125	132	149	106	119	55.0-149			11.9	20
Benzene	25.0	25.8	25.0	103	100	70.0-123			3.16	20
Bromobenzene	25.0	22.9	22.3	91.5	89.2	73.0-121			2.57	20
Bromodichloromethane	25.0	22.0	21.4	88.2	85.5	75.0-120			3.06	20
Bromoform	25.0	26.4	26.3	106	105	68.0-132			0.471	20
Bromomethane	25.0	18.6	18.0	74.5	72.2	10.0-160			3.16	25
trans-1,4-Dichloro-2-butene	25.0	21.8	22.1	87.0	88.4	33.0-144			1.54	20
n-Butylbenzene	25.0	22.3	21.4	89.2	85.8	73.0-125			3.98	20
sec-Butylbenzene	25.0	23.0	22.3	92.0	89.2	75.0-125			3.08	20
tert-Butylbenzene	25.0	24.1	23.0	96.4	92.0	76.0-124			4.65	20
Carbon disulfide	25.0	32.0	26.4	128	106	61.0-128			19.2	20
2-Hexanone	125	140	173	112	138	67.0-149		J3	21.1	20
Carbon tetrachloride	25.0	24.4	24.1	97.6	96.4	68.0-126			1.19	20
Chlorobenzene	25.0	23.9	23.3	95.5	93.1	80.0-121			2.56	20
n-Hexane	25.0	29.3	28.0	117	112	57.0-133			4.46	20
Chlorodibromomethane	25.0	23.5	23.3	94.1	93.2	77.0-125			1.02	20
Iodomethane	125	133	128	106	103	33.0-147			3.26	26
Chloroethane	25.0	17.3	16.9	69.2	67.5	47.0-150			2.56	20
Chloroform	25.0	21.7	21.0	86.9	84.0	73.0-120			3.34	20
Chloromethane	25.0	26.6	25.7	106	103	41.0-142			3.39	20
2-Chlorotoluene	25.0	22.7	22.0	90.8	88.1	76.0-123			3.09	20
4-Chlorotoluene	25.0	23.0	22.3	91.9	89.0	75.0-122			3.22	20
1,2-Dibromo-3-Chloropropane	25.0	26.2	26.7	105	107	58.0-134			1.93	20
1,2-Dibromoethane	25.0	23.3	23.7	93.3	94.7	80.0-122			1.49	20
Dibromomethane	25.0	22.2	21.7	88.7	86.8	80.0-120			2.12	20
1,2-Dichlorobenzene	25.0	23.3	22.8	93.3	91.2	79.0-121			2.30	20
1,3-Dichlorobenzene	25.0	23.1	22.5	92.4	90.2	79.0-120			2.42	20
1,4-Dichlorobenzene	25.0	22.1	21.7	88.4	86.9	79.0-120			1.77	20
Dichlorodifluoromethane	25.0	31.5	29.2	126	117	51.0-149			7.67	20
1,1-Dichloroethane	25.0	24.1	23.3	96.5	93.3	70.0-126			3.42	20
1,2-Dichloroethane	25.0	20.2	19.8	81.0	79.2	70.0-128			2.20	20
1,1-Dichloroethene	25.0	26.8	23.7	107	94.7	71.0-124			12.5	20
cis-1,2-Dichloroethene	25.0	23.8	23.2	95.2	92.9	73.0-120			2.49	20
trans-1,2-Dichloroethene	25.0	26.3	23.9	105	95.7	73.0-120			9.45	20
1,2-Dichloropropane	25.0	25.6	25.5	102	102	77.0-125			0.479	20
1,1-Dichloropropene	25.0	25.0	23.7	100	94.7	74.0-126			5.45	20
1,3-Dichloropropane	25.0	24.0	23.9	96.1	95.7	80.0-120			0.492	20
cis-1,3-Dichloropropene	25.0	23.8	23.3	95.1	93.2	80.0-123			2.03	20

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) R3407258-1 04/26/19 15:27 • (LCSD) R3407258-2 04/26/19 15:46

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 %
Vinyl acetate	125	116	114	92.8	91.1	11.0-160			1.90	20
trans-1,3-Dichloropropene	25.0	23.1	22.2	92.6	89.0	78.0-124			3.97	20
2,2-Dichloropropane	25.0	32.0	30.3	128	121	58.0-130			5.52	20
Di-isopropyl ether	25.0	27.0	26.7	108	107	58.0-138			1.11	20
Ethylbenzene	25.0	24.7	24.1	98.9	96.2	79.0-123			2.77	20
Hexachloro-1,3-butadiene	25.0	28.3	28.9	113	116	54.0-138			2.00	20
Isopropylbenzene	25.0	25.5	24.8	102	99.3	76.0-127			2.77	20
p-Isopropyltoluene	25.0	23.4	22.6	93.4	90.4	76.0-125			3.26	20
2-Butanone (MEK)	125	144	150	116	120	44.0-160			3.60	20
Methylene Chloride	25.0	27.2	23.8	109	95.3	67.0-120			13.4	20
4-Methyl-2-pentanone (MIBK)	125	135	139	108	111	68.0-142			2.35	20
Methyl tert-butyl ether	25.0	22.9	22.8	91.4	91.3	68.0-125			0.127	20
Naphthalene	25.0	23.5	24.1	94.2	96.6	54.0-135			2.50	20
n-Propylbenzene	25.0	22.5	21.7	90.0	86.8	77.0-124			3.58	20
Styrene	25.0	26.9	26.7	108	107	73.0-130			0.962	20
1,1,1,2-Tetrachloroethane	25.0	23.5	23.2	94.0	92.7	75.0-125			1.47	20
1,1,2,2-Tetrachloroethane	25.0	22.1	21.6	88.4	86.4	65.0-130			2.38	20
Tetrachloroethene	25.0	26.3	25.2	105	101	72.0-132			4.03	20
Toluene	25.0	25.9	25.3	103	101	79.0-120			2.21	20
1,1,2-Trichlorotrifluoroethane	25.0	25.7	22.6	103	90.4	69.0-132			12.7	20
1,2,3-Trichlorobenzene	25.0	22.8	24.0	91.2	95.9	50.0-138			5.02	20
1,2,4-Trichlorobenzene	25.0	24.8	24.8	99.0	99.2	57.0-137			0.213	20
1,1,1-Trichloroethane	25.0	24.3	22.7	97.4	90.9	73.0-124			6.84	20
1,1,2-Trichloroethane	25.0	22.5	22.2	90.1	88.8	80.0-120			1.49	20
Trichloroethene	25.0	25.6	24.4	102	97.5	78.0-124			4.75	20
Trichlorofluoromethane	25.0	17.0	16.2	68.0	64.9	59.0-147			4.64	20
1,2,3-Trichloropropane	25.0	20.7	19.8	83.0	79.3	73.0-130			4.50	20
1,2,3-Trimethylbenzene	25.0	21.4	21.2	85.6	84.7	77.0-120			1.01	20
1,2,4-Trimethylbenzene	25.0	22.2	21.6	89.0	86.3	76.0-121			3.10	20
1,3,5-Trimethylbenzene	25.0	22.8	21.9	91.1	87.7	76.0-122			3.74	20
Vinyl chloride	25.0	19.3	18.1	77.2	72.4	67.0-131			6.36	20
Xylenes, Total	75.0	74.0	73.0	98.7	97.3	79.0-123			1.36	20
(S) Toluene-d8				*102*	*101*	*80.0-120*				
(S) 4-Bromofluorobenzene				*107*	*107*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*90.3*	*89.6*	*70.0-130*				

Method Blank (MB)

(MB) R3407476-3 05/02/19 07:53

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
cis-1,2-Dichloroethene	U		0.0933	0.500
Tetrachloroethene	U		0.199	0.500
Trichloroethene	U		0.153	0.500
Vinyl chloride	U		0.118	0.500
(S) Toluene-d8	*109*			*80.0-120*
(S) 4-Bromofluorobenzene	*97.2*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*88.6*			*70.0-130*

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

(LCS) R3407476-1 05/02/19 06:54 • (LCSD) R3407476-2 05/02/19 07:14

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
cis-1,2-Dichloroethene	25.0	24.3	23.5	97.3	93.9	73.0-120			3.57	20
Tetrachloroethene	25.0	26.6	26.0	106	104	72.0-132			2.19	20
Trichloroethene	25.0	27.1	27.5	109	110	78.0-124			1.41	20
Vinyl chloride	25.0	23.7	22.9	94.8	91.7	67.0-131			3.35	20
(S) Toluene-d8				*107*	*106*	*80.0-120*				
(S) 4-Bromofluorobenzene				*97.4*	*98.2*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*96.2*	*97.5*	*70.0-130*				

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: The identification of the analyte is acceptable, but the reported concentration is an estimate. The calibration met method criteria.
J3	The associated batch QC was outside the established quality control range for precision.
V	The sample concentration is too high to evaluate accurate spike recoveries.

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

State Accreditations

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

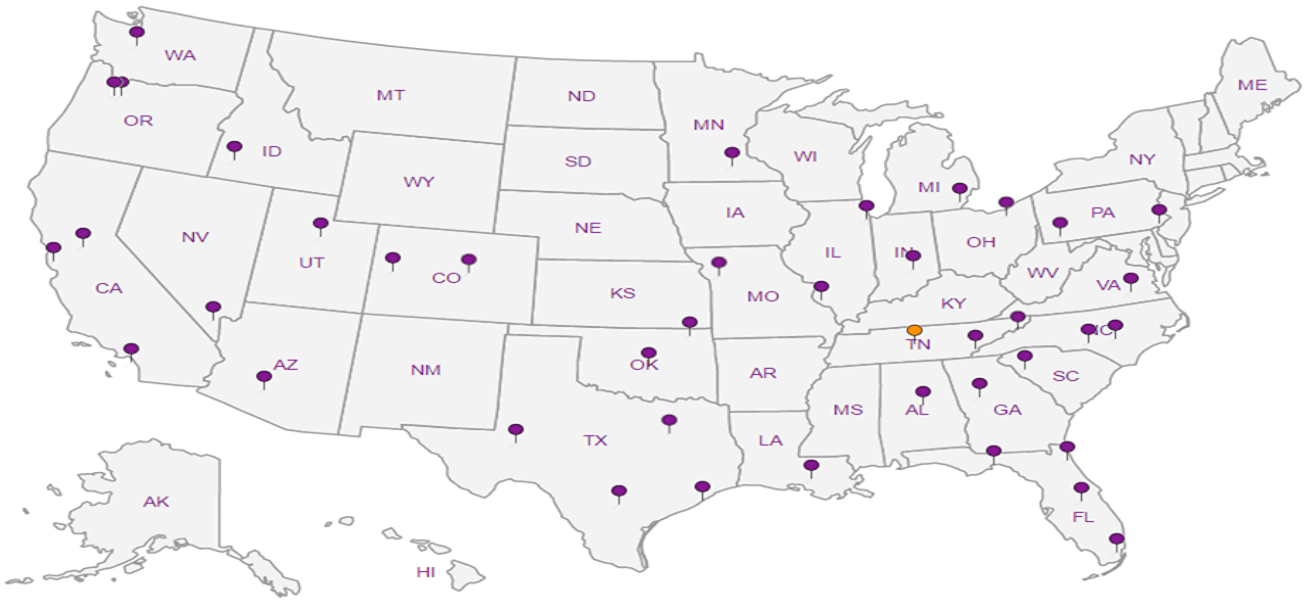
Third Party Federal Accreditations

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

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

Our Locations

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



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Report to: Brian O'Neal/Bill Haldeman

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

Project Description: American Linen

City/State Collected: Seattle, WA

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

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): Ben Hecht

Site/Facility ID # American Linen

P.O. #

Collected by (signature):

Quote #

Immediately Packed on Ice N ___ Y ✓

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

Date Results Needed: Standard TAT

Analysis / Container / Preservative

Pres Chk

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NO3,SO4,Cl* 125mlHDPE-NoPres	Alkalinity 125mlHDPE-NoPres	EEM (RSK175LL) 40mlAmb-HCl	TOC 250mlAmb-HCl	Total Fe Mn 6020 250mlHDPE-HNO3	VOC 8260	GRO (NWTPH) Gas			Remarks	Sample # (lab only)
										CL	CL						
MW-125-042319	Grab	GW	20	4/23/19	1700	6 5 CM	X					X	X				-01
MW-143-042419		GW	75	4/24/19	0910	12	X	X	X	X	X	X	X				02
MW-908-042419			55		0700	12	X	X	X	X	X	X	X				03
~~MW-909-042419~~			130		0800	12	X	X	X	X	X	X	X				
~~MW146-042419~~			45		0955		X	X	X	X	X	X	X				
MW-142-042419			45		1035	12	X	X	X	X	X	X	X				04
~~MW-154-042419~~			30		1140							X	X				
MW-156-042419			45'		1230	12	X	X	X	X	X	X	X				05
~~MW153-042419~~			125		1255		X	X	X	X	X	X	X				
MW-157-042419			75		1410	12	X	X	X	X	X	X	X				06

BH

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

Remarks: TRIP BLANK-042419 for all ~~above analysis~~ -07
VOC GRO RAD SCREEN: <0.5 mR/hr

pH _____ Temp _____
Flow _____ Other _____

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

Tracking # 4876 1086 1409

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
	4-24-19	1615		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 0.5+0=0.5 taas 76
				If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/25/19 Time: 8:45
				Hold: Condition: NCF / OK

Chain of Custody Page ___ of ___

Pace Analytical®
National Center for Testing & Innovation

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L# L1092440

D232

PESENVSWA

Template: T143845
Prelogin: P701221
TSR: 110 - Brian Ford
PB: B 4-1-19
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