APPENDIX H

RI LABORATORY DATA

PART 3

L1092880-L1139441

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

May 08, 2019

PES Environmental, Inc.- WA

Sample Delivery Group:	L1092880
Samples Received:	04/26/2019
Project Number:	AMERICAN LINEN
Description:	American Linen
Site:	1413.001.05.601
Report To:	Brian O'Neal/Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

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-158-042519 L1092880-01 GW

Collected by: Ben Hecht | Collected date/time: 04/25/19 09:55 | Received date/time: 04/26/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1274856	1	05/03/19 21:09	05/03/19 21:09	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1272235	1	04/26/19 22:31	04/26/19 22:31	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1273394	2	04/29/19 17:13	04/29/19 17:13	EEM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1271844	1	04/30/19 09:36	05/07/19 20:31	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1274492	1	05/01/19 14:16	05/01/19 14:16	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1275530	1	05/03/19 13:37	05/03/19 13:37	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1272563	1	04/26/19 23:06	04/26/19 23:06	BMB	Mt. Juliet, TN

W-MW-01-042519 L1092880-02 GW

Collected by: Ben Hecht | Collected date/time: 04/25/19 12:15 | Received date/time: 04/26/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1274856	1	05/03/19 21:16	05/03/19 21:16	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1272235	1	04/26/19 23:00	04/26/19 23:00	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1273394	1	04/29/19 17:25	04/29/19 17:25	EEM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1271844	1	04/30/19 09:36	05/07/19 23:03	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1274492	1	05/01/19 14:37	05/01/19 14:37	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1275530	1	05/03/19 13:39	05/03/19 13:39	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1272563	1	04/26/19 23:26	04/26/19 23:26	BMB	Mt. Juliet, TN

R-MW6-042519 L1092880-03 GW

Collected by: Ben Hecht | Collected date/time: 04/25/19 13:20 | Received date/time: 04/26/19 08:45

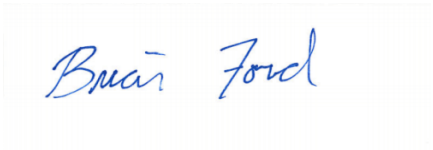
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1274492	1	05/01/19 14:57	05/01/19 14:57	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1272563	1	04/26/19 23:46	04/26/19 23:46	BMB	Mt. Juliet, TN

TRIPBLANK-042519 L1092880-04 GW

Collected by: Ben Hecht | Collected date/time: 04/25/19 00:00 | Received date/time: 04/26/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1274492	1	05/01/19 13:14	05/01/19 13:14	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1272563	1	04/26/19 17:47	04/26/19 17:47	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	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	345000		2710	20000	1	05/03/2019 21:09	WG1274856

Sample Narrative:

L1092880-01 WG1274856: 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	26700		51.9	1000	1	04/26/2019 22:31	WG1272235
Nitrate	U		22.7	100	1	04/26/2019 22:31	WG1272235
Sulfate	21100		77.4	5000	1	04/26/2019 22:31	WG1272235

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)	8110		204	2000	2	04/29/2019 17:13	WG1273394

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	12400	O1 V	15.0	100	1	05/07/2019 20:31	WG1271844
Manganese	393	O1	0.250	5.00	1	05/07/2019 20:31	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	05/01/2019 14:16	WG1274492
(S) a,a,a-Trifluorotoluene(FID)	*93.7*			*78.0-120*		*05/01/2019 14:16*	WG1274492

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	177		0.287	0.678	1	05/03/2019 13:37	WG1275530
Ethane	U		0.296	1.29	1	05/03/2019 13:37	WG1275530
Ethene	4.74		0.422	1.27	1	05/03/2019 13:37	WG1275530

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	3.23	J J0	1.05	25.0	1	04/26/2019 23:06	WG1272563
Acrylonitrile	U		0.873	5.00	1	04/26/2019 23:06	WG1272563
Benzene	U		0.0896	0.500	1	04/26/2019 23:06	WG1272563
Bromobenzene	U		0.133	0.500	1	04/26/2019 23:06	WG1272563
Bromodichloromethane	U		0.0800	0.500	1	04/26/2019 23:06	WG1272563
Bromochloromethane	U		0.145	0.500	1	04/26/2019 23:06	WG1272563
Bromoform	U		0.186	0.500	1	04/26/2019 23:06	WG1272563
Bromomethane	U	J0	0.157	2.50	1	04/26/2019 23:06	WG1272563
n-Butylbenzene	U		0.143	0.500	1	04/26/2019 23:06	WG1272563
sec-Butylbenzene	U		0.134	0.500	1	04/26/2019 23:06	WG1272563
tert-Butylbenzene	U		0.183	0.500	1	04/26/2019 23:06	WG1272563
Carbon disulfide	0.351	J J0	0.101	0.500	1	04/26/2019 23:06	WG1272563
Carbon tetrachloride	U		0.159	0.500	1	04/26/2019 23:06	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 23:06	WG1272563
Chlorodibromomethane	U		0.128	0.500	1	04/26/2019 23:06	WG1272563
Chloroethane	U	J0	0.141	2.50	1	04/26/2019 23:06	WG1272563
Chloroform	U		0.0860	0.500	1	04/26/2019 23:06	WG1272563
Chloromethane	U		0.153	1.25	1	04/26/2019 23:06	WG1272563
2-Chlorotoluene	U		0.111	0.500	1	04/26/2019 23:06	WG1272563
4-Chlorotoluene	U		0.0972	0.500	1	04/26/2019 23:06	WG1272563
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/26/2019 23:06	WG1272563
1,2-Dibromoethane	U		0.193	0.500	1	04/26/2019 23:06	WG1272563
Dibromomethane	U		0.117	0.500	1	04/26/2019 23:06	WG1272563
1,2-Dichlorobenzene	U		0.101	0.500	1	04/26/2019 23:06	WG1272563
1,3-Dichlorobenzene	U		0.130	0.500	1	04/26/2019 23:06	WG1272563
1,4-Dichlorobenzene	U		0.121	0.500	1	04/26/2019 23:06	WG1272563
Dichlorodifluoromethane	U		0.127	2.50	1	04/26/2019 23:06	WG1272563
1,1-Dichloroethane	U		0.114	0.500	1	04/26/2019 23:06	WG1272563
1,2-Dichloroethane	U		0.108	0.500	1	04/26/2019 23:06	WG1272563
1,1-Dichloroethene	U		0.188	0.500	1	04/26/2019 23:06	WG1272563
cis-1,2-Dichloroethene	0.974		0.0933	0.500	1	04/26/2019 23:06	WG1272563
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/26/2019 23:06	WG1272563
1,2-Dichloropropane	U		0.190	0.500	1	04/26/2019 23:06	WG1272563
1,1-Dichloropropene	U		0.128	0.500	1	04/26/2019 23:06	WG1272563
1,3-Dichloropropane	U		0.147	1.00	1	04/26/2019 23:06	WG1272563
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/26/2019 23:06	WG1272563
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/26/2019 23:06	WG1272563
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/26/2019 23:06	WG1272563
2,2-Dichloropropane	U		0.0929	0.500	1	04/26/2019 23:06	WG1272563
Di-isopropyl ether	U		0.0924	0.500	1	04/26/2019 23:06	WG1272563
Ethylbenzene	U		0.158	0.500	1	04/26/2019 23:06	WG1272563
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/26/2019 23:06	WG1272563
2-Hexanone	U	J3	0.757	5.00	1	04/26/2019 23:06	WG1272563
n-Hexane	U		0.305	5.00	1	04/26/2019 23:06	WG1272563
Iodomethane	U		0.377	10.0	1	04/26/2019 23:06	WG1272563
Isopropylbenzene	U		0.126	0.500	1	04/26/2019 23:06	WG1272563
p-Isopropyltoluene	U		0.138	0.500	1	04/26/2019 23:06	WG1272563
2-Butanone (MEK)	U		1.28	5.00	1	04/26/2019 23:06	WG1272563
Methylene Chloride	U		1.07	2.50	1	04/26/2019 23:06	WG1272563
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/26/2019 23:06	WG1272563
Methyl tert-butyl ether	U		0.102	0.500	1	04/26/2019 23:06	WG1272563
Naphthalene	U		0.174	2.50	1	04/26/2019 23:06	WG1272563
n-Propylbenzene	U		0.162	0.500	1	04/26/2019 23:06	WG1272563
Styrene	U		0.117	0.500	1	04/26/2019 23:06	WG1272563
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/26/2019 23:06	WG1272563
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/26/2019 23:06	WG1272563
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/26/2019 23:06	WG1272563
Tetrachloroethene	U		0.199	0.500	1	04/26/2019 23:06	WG1272563
Toluene	U		0.412	0.500	1	04/26/2019 23:06	WG1272563
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/26/2019 23:06	WG1272563
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/26/2019 23:06	WG1272563
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/26/2019 23:06	WG1272563
1,1,2-Trichloroethane	U		0.186	0.500	1	04/26/2019 23:06	WG1272563
Trichloroethene	0.240	J	0.153	0.500	1	04/26/2019 23:06	WG1272563
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/26/2019 23:06	WG1272563
1,2,3-Trichloropropane	U		0.247	2.50	1	04/26/2019 23:06	WG1272563
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/26/2019 23:06	WG1272563
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/26/2019 23:06	WG1272563
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/26/2019 23:06	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 23:06	WG1272563
Vinyl chloride	3.08	J0	0.118	0.500	1	04/26/2019 23:06	WG1272563
Xylenes, Total	U		0.316	1.50	1	04/26/2019 23:06	WG1272563
(S) Toluene-d8	*100*			*80.0-120*		*04/26/2019 23:06*	WG1272563
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*04/26/2019 23:06*	WG1272563
(S) 1,2-Dichloroethane-d4	*93.0*			*70.0-130*		*04/26/2019 23:06*	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	246000		2710	20000	1	05/03/2019 21:16	WG1274856

Sample Narrative:

L1092880-02 WG1274856: 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	33700		51.9	1000	1	04/26/2019 23:00	WG1272235
Nitrate	397		22.7	100	1	04/26/2019 23:00	WG1272235
Sulfate	80000		77.4	5000	1	04/26/2019 23:00	WG1272235

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)	5410		102	1000	1	04/29/2019 17:25	WG1273394

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2020		15.0	100	1	05/07/2019 23:03	WG1271844
Manganese	330		0.250	5.00	1	05/07/2019 23:03	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	05/01/2019 14:37	WG1274492
(S) a,a,a-Trifluorotoluene(FID)	*94.1*			*78.0-120*		*05/01/2019 14:37*	WG1274492

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	10.2		0.287	0.678	1	05/03/2019 13:39	WG1275530
Ethane	U		0.296	1.29	1	05/03/2019 13:39	WG1275530
Ethene	U		0.422	1.27	1	05/03/2019 13:39	WG1275530

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	2.03	J J0	1.05	25.0	1	04/26/2019 23:26	WG1272563
Acrylonitrile	U		0.873	5.00	1	04/26/2019 23:26	WG1272563
Benzene	U		0.0896	0.500	1	04/26/2019 23:26	WG1272563
Bromobenzene	U		0.133	0.500	1	04/26/2019 23:26	WG1272563
Bromodichloromethane	U		0.0800	0.500	1	04/26/2019 23:26	WG1272563
Bromochloromethane	U		0.145	0.500	1	04/26/2019 23:26	WG1272563
Bromoform	U		0.186	0.500	1	04/26/2019 23:26	WG1272563
Bromomethane	U	J0	0.157	2.50	1	04/26/2019 23:26	WG1272563
n-Butylbenzene	U		0.143	0.500	1	04/26/2019 23:26	WG1272563
sec-Butylbenzene	U		0.134	0.500	1	04/26/2019 23:26	WG1272563
tert-Butylbenzene	U		0.183	0.500	1	04/26/2019 23:26	WG1272563
Carbon disulfide	U		0.101	0.500	1	04/26/2019 23:26	WG1272563
Carbon tetrachloride	U		0.159	0.500	1	04/26/2019 23:26	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 23:26	WG1272563
Chlorodibromomethane	U		0.128	0.500	1	04/26/2019 23:26	WG1272563
Chloroethane	U	J0	0.141	2.50	1	04/26/2019 23:26	WG1272563
Chloroform	U		0.0860	0.500	1	04/26/2019 23:26	WG1272563
Chloromethane	U		0.153	1.25	1	04/26/2019 23:26	WG1272563
2-Chlorotoluene	U		0.111	0.500	1	04/26/2019 23:26	WG1272563
4-Chlorotoluene	U		0.0972	0.500	1	04/26/2019 23:26	WG1272563
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/26/2019 23:26	WG1272563
1,2-Dibromoethane	U		0.193	0.500	1	04/26/2019 23:26	WG1272563
Dibromomethane	U		0.117	0.500	1	04/26/2019 23:26	WG1272563
1,2-Dichlorobenzene	U		0.101	0.500	1	04/26/2019 23:26	WG1272563
1,3-Dichlorobenzene	U		0.130	0.500	1	04/26/2019 23:26	WG1272563
1,4-Dichlorobenzene	U		0.121	0.500	1	04/26/2019 23:26	WG1272563
Dichlorodifluoromethane	U		0.127	2.50	1	04/26/2019 23:26	WG1272563
1,1-Dichloroethane	U		0.114	0.500	1	04/26/2019 23:26	WG1272563
1,2-Dichloroethane	U		0.108	0.500	1	04/26/2019 23:26	WG1272563
1,1-Dichloroethene	U		0.188	0.500	1	04/26/2019 23:26	WG1272563
cis-1,2-Dichloroethene	0.572		0.0933	0.500	1	04/26/2019 23:26	WG1272563
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/26/2019 23:26	WG1272563
1,2-Dichloropropane	U		0.190	0.500	1	04/26/2019 23:26	WG1272563
1,1-Dichloropropene	U		0.128	0.500	1	04/26/2019 23:26	WG1272563
1,3-Dichloropropane	U		0.147	1.00	1	04/26/2019 23:26	WG1272563
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/26/2019 23:26	WG1272563
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/26/2019 23:26	WG1272563
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/26/2019 23:26	WG1272563
2,2-Dichloropropane	U		0.0929	0.500	1	04/26/2019 23:26	WG1272563
Di-isopropyl ether	U		0.0924	0.500	1	04/26/2019 23:26	WG1272563
Ethylbenzene	U		0.158	0.500	1	04/26/2019 23:26	WG1272563
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/26/2019 23:26	WG1272563
2-Hexanone	U	J3	0.757	5.00	1	04/26/2019 23:26	WG1272563
n-Hexane	U		0.305	5.00	1	04/26/2019 23:26	WG1272563
Iodomethane	U		0.377	10.0	1	04/26/2019 23:26	WG1272563
Isopropylbenzene	U		0.126	0.500	1	04/26/2019 23:26	WG1272563
p-Isopropyltoluene	U		0.138	0.500	1	04/26/2019 23:26	WG1272563
2-Butanone (MEK)	U		1.28	5.00	1	04/26/2019 23:26	WG1272563
Methylene Chloride	U		1.07	2.50	1	04/26/2019 23:26	WG1272563
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/26/2019 23:26	WG1272563
Methyl tert-butyl ether	U		0.102	0.500	1	04/26/2019 23:26	WG1272563
Naphthalene	0.211	J	0.174	2.50	1	04/26/2019 23:26	WG1272563
n-Propylbenzene	U		0.162	0.500	1	04/26/2019 23:26	WG1272563
Styrene	U		0.117	0.500	1	04/26/2019 23:26	WG1272563
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/26/2019 23:26	WG1272563
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/26/2019 23:26	WG1272563
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/26/2019 23:26	WG1272563
Tetrachloroethene	U		0.199	0.500	1	04/26/2019 23:26	WG1272563
Toluene	U		0.412	0.500	1	04/26/2019 23:26	WG1272563
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/26/2019 23:26	WG1272563
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/26/2019 23:26	WG1272563
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/26/2019 23:26	WG1272563
1,1,2-Trichloroethane	U		0.186	0.500	1	04/26/2019 23:26	WG1272563
Trichloroethene	0.373	J	0.153	0.500	1	04/26/2019 23:26	WG1272563
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/26/2019 23:26	WG1272563
1,2,3-Trichloropropane	U		0.247	2.50	1	04/26/2019 23:26	WG1272563
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/26/2019 23:26	WG1272563
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/26/2019 23:26	WG1272563
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/26/2019 23:26	WG1272563

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	04/26/2019 23:26	WG1272563
Vinyl chloride	6.61	J0	0.118	0.500	1	04/26/2019 23:26	WG1272563
Xylenes, Total	U		0.316	1.50	1	04/26/2019 23:26	WG1272563
(S) Toluene-d8	*98.9*			*80.0-120*		*04/26/2019 23:26*	WG1272563
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*04/26/2019 23:26*	WG1272563
(S) 1,2-Dichloroethane-d4	*93.8*			*70.0-130*		*04/26/2019 23:26*	WG1272563

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	05/01/2019 14:57	WG1274492
(S) a,a,a-Trifluorotoluene(FID)	*93.6*			*78.0-120*		*05/01/2019 14:57*	WG1274492

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	2.91	J J0	1.05	25.0	1	04/26/2019 23:46	WG1272563
Acrylonitrile	U		0.873	5.00	1	04/26/2019 23:46	WG1272563
Benzene	U		0.0896	0.500	1	04/26/2019 23:46	WG1272563
Bromobenzene	U		0.133	0.500	1	04/26/2019 23:46	WG1272563
Bromodichloromethane	U		0.0800	0.500	1	04/26/2019 23:46	WG1272563
Bromochloromethane	U		0.145	0.500	1	04/26/2019 23:46	WG1272563
Bromoform	U		0.186	0.500	1	04/26/2019 23:46	WG1272563
Bromomethane	U	J0	0.157	2.50	1	04/26/2019 23:46	WG1272563
n-Butylbenzene	U		0.143	0.500	1	04/26/2019 23:46	WG1272563
sec-Butylbenzene	U		0.134	0.500	1	04/26/2019 23:46	WG1272563
tert-Butylbenzene	U		0.183	0.500	1	04/26/2019 23:46	WG1272563
Carbon disulfide	U		0.101	0.500	1	04/26/2019 23:46	WG1272563
Carbon tetrachloride	U		0.159	0.500	1	04/26/2019 23:46	WG1272563
Chlorobenzene	U		0.140	0.500	1	04/26/2019 23:46	WG1272563
Chlorodibromomethane	U		0.128	0.500	1	04/26/2019 23:46	WG1272563
Chloroethane	U	J0	0.141	2.50	1	04/26/2019 23:46	WG1272563
Chloroform	U		0.0860	0.500	1	04/26/2019 23:46	WG1272563
Chloromethane	U		0.153	1.25	1	04/26/2019 23:46	WG1272563
2-Chlorotoluene	U		0.111	0.500	1	04/26/2019 23:46	WG1272563
4-Chlorotoluene	U		0.0972	0.500	1	04/26/2019 23:46	WG1272563
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/26/2019 23:46	WG1272563
1,2-Dibromoethane	U		0.193	0.500	1	04/26/2019 23:46	WG1272563
Dibromomethane	U		0.117	0.500	1	04/26/2019 23:46	WG1272563
1,2-Dichlorobenzene	U		0.101	0.500	1	04/26/2019 23:46	WG1272563
1,3-Dichlorobenzene	U		0.130	0.500	1	04/26/2019 23:46	WG1272563
1,4-Dichlorobenzene	U		0.121	0.500	1	04/26/2019 23:46	WG1272563
Dichlorodifluoromethane	U		0.127	2.50	1	04/26/2019 23:46	WG1272563
1,1-Dichloroethane	U		0.114	0.500	1	04/26/2019 23:46	WG1272563
1,2-Dichloroethane	U		0.108	0.500	1	04/26/2019 23:46	WG1272563
1,1-Dichloroethene	U		0.188	0.500	1	04/26/2019 23:46	WG1272563
cis-1,2-Dichloroethene	11.8		0.0933	0.500	1	04/26/2019 23:46	WG1272563
trans-1,2-Dichloroethene	0.168	J	0.152	0.500	1	04/26/2019 23:46	WG1272563
1,2-Dichloropropane	U		0.190	0.500	1	04/26/2019 23:46	WG1272563
1,1-Dichloropropene	U		0.128	0.500	1	04/26/2019 23:46	WG1272563
1,3-Dichloropropane	U		0.147	1.00	1	04/26/2019 23:46	WG1272563
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/26/2019 23:46	WG1272563
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/26/2019 23:46	WG1272563
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/26/2019 23:46	WG1272563
2,2-Dichloropropane	U		0.0929	0.500	1	04/26/2019 23:46	WG1272563
Di-isopropyl ether	U		0.0924	0.500	1	04/26/2019 23:46	WG1272563
Ethylbenzene	U		0.158	0.500	1	04/26/2019 23:46	WG1272563
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/26/2019 23:46	WG1272563
2-Hexanone	U	J3	0.757	5.00	1	04/26/2019 23:46	WG1272563
n-Hexane	U		0.305	5.00	1	04/26/2019 23:46	WG1272563
Iodomethane	U		0.377	10.0	1	04/26/2019 23:46	WG1272563
Isopropylbenzene	U		0.126	0.500	1	04/26/2019 23:46	WG1272563
p-Isopropyltoluene	U		0.138	0.500	1	04/26/2019 23:46	WG1272563
2-Butanone (MEK)	U		1.28	5.00	1	04/26/2019 23:46	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 23:46	WG1272563
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/26/2019 23:46	WG1272563
Methyl tert-butyl ether	U		0.102	0.500	1	04/26/2019 23:46	WG1272563
Naphthalene	U		0.174	2.50	1	04/26/2019 23:46	WG1272563
n-Propylbenzene	U		0.162	0.500	1	04/26/2019 23:46	WG1272563
Styrene	U		0.117	0.500	1	04/26/2019 23:46	WG1272563
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/26/2019 23:46	WG1272563
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/26/2019 23:46	WG1272563
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/26/2019 23:46	WG1272563
Tetrachloroethene	U		0.199	0.500	1	04/26/2019 23:46	WG1272563
Toluene	U		0.412	0.500	1	04/26/2019 23:46	WG1272563
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/26/2019 23:46	WG1272563
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/26/2019 23:46	WG1272563
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/26/2019 23:46	WG1272563
1,1,2-Trichloroethane	U		0.186	0.500	1	04/26/2019 23:46	WG1272563
Trichloroethene	0.370	J	0.153	0.500	1	04/26/2019 23:46	WG1272563
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/26/2019 23:46	WG1272563
1,2,3-Trichloropropane	U		0.247	2.50	1	04/26/2019 23:46	WG1272563
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/26/2019 23:46	WG1272563
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/26/2019 23:46	WG1272563
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/26/2019 23:46	WG1272563
Vinyl acetate	U		0.645	5.00	1	04/26/2019 23:46	WG1272563
Vinyl chloride	7.16	J0	0.118	0.500	1	04/26/2019 23:46	WG1272563
Xylenes, Total	U		0.316	1.50	1	04/26/2019 23:46	WG1272563
(S) Toluene-d8	*95.8*			*80.0-120*		*04/26/2019 23:46*	WG1272563
(S) 4-Bromofluorobenzene	*98.9*			*77.0-126*		*04/26/2019 23:46*	WG1272563
(S) 1,2-Dichloroethane-d4	*93.2*			*70.0-130*		*04/26/2019 23:46*	WG1272563

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	05/01/2019 13:14	WG1274492
(S) a,a,a-Trifluorotoluene(FID)	*94.5*			*78.0-120*		*05/01/2019 13:14*	WG1274492

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	2.62	J J0	1.05	25.0	1	04/26/2019 17:47	WG1272563
Acrylonitrile	U		0.873	5.00	1	04/26/2019 17:47	WG1272563
Benzene	U		0.0896	0.500	1	04/26/2019 17:47	WG1272563
Bromobenzene	U		0.133	0.500	1	04/26/2019 17:47	WG1272563
Bromodichloromethane	U		0.0800	0.500	1	04/26/2019 17:47	WG1272563
Bromochloromethane	U		0.145	0.500	1	04/26/2019 17:47	WG1272563
Bromoform	U		0.186	0.500	1	04/26/2019 17:47	WG1272563
Bromomethane	U	J0	0.157	2.50	1	04/26/2019 17:47	WG1272563
n-Butylbenzene	U		0.143	0.500	1	04/26/2019 17:47	WG1272563
sec-Butylbenzene	U		0.134	0.500	1	04/26/2019 17:47	WG1272563
tert-Butylbenzene	U		0.183	0.500	1	04/26/2019 17:47	WG1272563
Carbon disulfide	U		0.101	0.500	1	04/26/2019 17:47	WG1272563
Carbon tetrachloride	U		0.159	0.500	1	04/26/2019 17:47	WG1272563
Chlorobenzene	U		0.140	0.500	1	04/26/2019 17:47	WG1272563
Chlorodibromomethane	U		0.128	0.500	1	04/26/2019 17:47	WG1272563
Chloroethane	U	J0	0.141	2.50	1	04/26/2019 17:47	WG1272563
Chloroform	U		0.0860	0.500	1	04/26/2019 17:47	WG1272563
Chloromethane	U		0.153	1.25	1	04/26/2019 17:47	WG1272563
2-Chlorotoluene	U		0.111	0.500	1	04/26/2019 17:47	WG1272563
4-Chlorotoluene	U		0.0972	0.500	1	04/26/2019 17:47	WG1272563
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/26/2019 17:47	WG1272563
1,2-Dibromoethane	U		0.193	0.500	1	04/26/2019 17:47	WG1272563
Dibromomethane	U		0.117	0.500	1	04/26/2019 17:47	WG1272563
1,2-Dichlorobenzene	U		0.101	0.500	1	04/26/2019 17:47	WG1272563
1,3-Dichlorobenzene	U		0.130	0.500	1	04/26/2019 17:47	WG1272563
1,4-Dichlorobenzene	U		0.121	0.500	1	04/26/2019 17:47	WG1272563
Dichlorodifluoromethane	U		0.127	2.50	1	04/26/2019 17:47	WG1272563
1,1-Dichloroethane	U		0.114	0.500	1	04/26/2019 17:47	WG1272563
1,2-Dichloroethane	U		0.108	0.500	1	04/26/2019 17:47	WG1272563
1,1-Dichloroethene	U		0.188	0.500	1	04/26/2019 17:47	WG1272563
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/26/2019 17:47	WG1272563
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/26/2019 17:47	WG1272563
1,2-Dichloropropane	U		0.190	0.500	1	04/26/2019 17:47	WG1272563
1,1-Dichloropropene	U		0.128	0.500	1	04/26/2019 17:47	WG1272563
1,3-Dichloropropane	U		0.147	1.00	1	04/26/2019 17:47	WG1272563
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/26/2019 17:47	WG1272563
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/26/2019 17:47	WG1272563
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/26/2019 17:47	WG1272563
2,2-Dichloropropane	U		0.0929	0.500	1	04/26/2019 17:47	WG1272563
Di-isopropyl ether	U		0.0924	0.500	1	04/26/2019 17:47	WG1272563
Ethylbenzene	U		0.158	0.500	1	04/26/2019 17:47	WG1272563
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/26/2019 17:47	WG1272563
2-Hexanone	U	J3	0.757	5.00	1	04/26/2019 17:47	WG1272563
n-Hexane	U		0.305	5.00	1	04/26/2019 17:47	WG1272563
Iodomethane	U		0.377	10.0	1	04/26/2019 17:47	WG1272563
Isopropylbenzene	U		0.126	0.500	1	04/26/2019 17:47	WG1272563
p-Isopropyltoluene	U		0.138	0.500	1	04/26/2019 17:47	WG1272563
2-Butanone (MEK)	U		1.28	5.00	1	04/26/2019 17:47	WG1272563

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	04/26/2019 17:47	WG1272563
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/26/2019 17:47	WG1272563
Methyl tert-butyl ether	U		0.102	0.500	1	04/26/2019 17:47	WG1272563
Naphthalene	U		0.174	2.50	1	04/26/2019 17:47	WG1272563
n-Propylbenzene	U		0.162	0.500	1	04/26/2019 17:47	WG1272563
Styrene	U		0.117	0.500	1	04/26/2019 17:47	WG1272563
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/26/2019 17:47	WG1272563
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/26/2019 17:47	WG1272563
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/26/2019 17:47	WG1272563
Tetrachloroethene	U		0.199	0.500	1	04/26/2019 17:47	WG1272563
Toluene	U		0.412	0.500	1	04/26/2019 17:47	WG1272563
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/26/2019 17:47	WG1272563
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/26/2019 17:47	WG1272563
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/26/2019 17:47	WG1272563
1,1,2-Trichloroethane	U		0.186	0.500	1	04/26/2019 17:47	WG1272563
Trichloroethene	U		0.153	0.500	1	04/26/2019 17:47	WG1272563
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/26/2019 17:47	WG1272563
1,2,3-Trichloropropane	U		0.247	2.50	1	04/26/2019 17:47	WG1272563
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/26/2019 17:47	WG1272563
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/26/2019 17:47	WG1272563
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/26/2019 17:47	WG1272563
Vinyl acetate	U		0.645	5.00	1	04/26/2019 17:47	WG1272563
Vinyl chloride	U	J0	0.118	0.500	1	04/26/2019 17:47	WG1272563
Xylenes, Total	U		0.316	1.50	1	04/26/2019 17:47	WG1272563
(S) Toluene-d8	*101*			*80.0-120*		*04/26/2019 17:47*	WG1272563
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*04/26/2019 17:47*	WG1272563
(S) 1,2-Dichloroethane-d4	*92.9*			*70.0-130*		*04/26/2019 17:47*	WG1272563

Method Blank (MB)

(MB) R3408070-1 05/03/19 17:39

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Alkalinity	3100	J	2710	20000

Sample Narrative:

BLANK: Endpoint pH 4.5

L1092557-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1092557-01 05/03/19 18:13 • (DUP) R3408070-3 05/03/19 18:20

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	39900	39800	1	0.183		20

Sample Narrative:

OS: Endpoint pH 4.5 HEADSPACE

DUP: Endpoint pH 4.5

L1093120-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1093120-03 05/03/19 21:50 • (DUP) R3408070-6 05/03/19 21:57

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	128000	128000	1	0.0395		20

Sample Narrative:

OS: Endpoint pH 4.5 HEADSPACE

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3408070-5 05/03/19 19:13

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Alkalinity	100000	97800	97.8	85.0-115	

Sample Narrative:

LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R3406015-1 04/26/19 11:01

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

L1091939-45 Original Sample (OS) • Duplicate (DUP)

(OS) L1091939-45 04/26/19 13:52 • (DUP) R3406015-3 04/26/19 14:06

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	10100	10100	1	0.211		15
Nitrate	42.3	42.1	1	0.474	J	15
Sulfate	1630	1630	1	0.227	J	15

L1092773-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1092773-01 04/26/19 19:23 • (DUP) R3406015-6 04/26/19 19:38

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	11100	11100	1	0.0999		15
Nitrate	U	0.000	1	0.000		15
Sulfate	31000	31000	1	0.0523		15

Laboratory Control Sample (LCS)

(LCS) R3406015-2 04/26/19 11:15

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40000	40200	101	80.0-120	
Nitrate	8000	8120	102	80.0-120	
Sulfate	40000	41100	103	80.0-120	

L1091939-45 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1091939-45 04/26/19 13:52 • (MS) R3406015-4 04/26/19 14:21 • (MSD) R3406015-5 04/26/19 14:35

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50000	10100	59800	59800	99.4	99.5	1	80.0-120			0.0818	15
Nitrate	5000	42.3	4870	4870	96.5	96.5	1	80.0-120			0.00616	15
Sulfate	50000	1630	50800	51000	98.3	98.8	1	80.0-120			0.441	15

L1092773-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1092773-01 04/26/19 19:23 • (MS) R3406015-7 04/26/19 19:52

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	11100	61300	100	1	80.0-120	
Nitrate	5000	U	4690	93.7	1	80.0-120	
Sulfate	50000	31000	78600	95.2	1	80.0-120	

Method Blank (MB)

(MB) R3406585-1 04/29/19 11:52

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	284	J	102	1000

L1092770-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1092770-01 04/29/19 13:19 • (DUP) R3406585-3 04/29/19 13:32

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	8240	8150	1	1.15		20

L1093209-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1093209-03 04/29/19 18:04 • (DUP) R3406585-6 04/29/19 18:17

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	4670	4640	1	0.623		20

Laboratory Control Sample (LCS)

(LCS) R3406585-2 04/29/19 12:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75000	77000	103	85.0-115	

L1092865-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1092865-02 04/29/19 16:29 • (MS) R3406585-4 04/29/19 16:45 • (MSD) R3406585-5 04/29/19 17:00

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	2150	50400	50000	96.5	95.7	1	80.0-120			0.836	20

L1093242-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1093242-06 04/29/19 20:23 • (MS) R3406585-7 04/29/19 20:39 • (MSD) R3406585-8 04/29/19 20:55

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	5190	51100	51100	91.8	91.9	1	80.0-120			0.137	20

Method Blank (MB)

(MB) R3409057-1 05/07/19 20:17

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	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	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	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	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	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) R3407469-3 05/01/19 12:30

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)	*93.6*			*78.0-120*

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

(LCS) R3407469-1 05/01/19 11:25 • (LCSD) R3407469-2 05/01/19 11:46

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 %
Gasoline Range Organics-NWTPH	5500	5370	5440	97.6	98.9	70.0-124			1.33	20
(S) a,a,a-Trifluorotoluene(FID)				*104*	*105*	*78.0-120*				

L1092880-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1092880-01 05/01/19 14:16 • (MS) R3407469-4 05/01/19 19:05 • (MSD) R3407469-5 05/01/19 19:25

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	6290	5510	114	100	1	10.0-155			13.2	21
(S) a,a,a-Trifluorotoluene(FID)					*109*	*107*		*78.0-120*				

Method Blank (MB)

(MB) R3407928-1 05/03/19 11:39

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

L1092824-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1092824-01 05/03/19 11:46 • (DUP) R3407928-2 05/03/19 12:57

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

L1092854-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1092854-07 05/03/19 13:27 • (DUP) R3407928-3 05/03/19 13:43

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	4640	4630	1	0.284		20
Ethane	U	0.000	1	0.000		20
Ethene	U	0.000	1	0.000		20

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

(LCS) R3407928-4 05/03/19 13:48 • (LCSD) R3407928-5 05/03/19 13:52

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	75.9	74.2	112	109	85.0-115			2.30	20
Ethane	129	112	111	86.9	85.8	85.0-115			1.24	20
Ethene	127	112	111	88.2	87.1	85.0-115			1.21	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*				

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.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
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

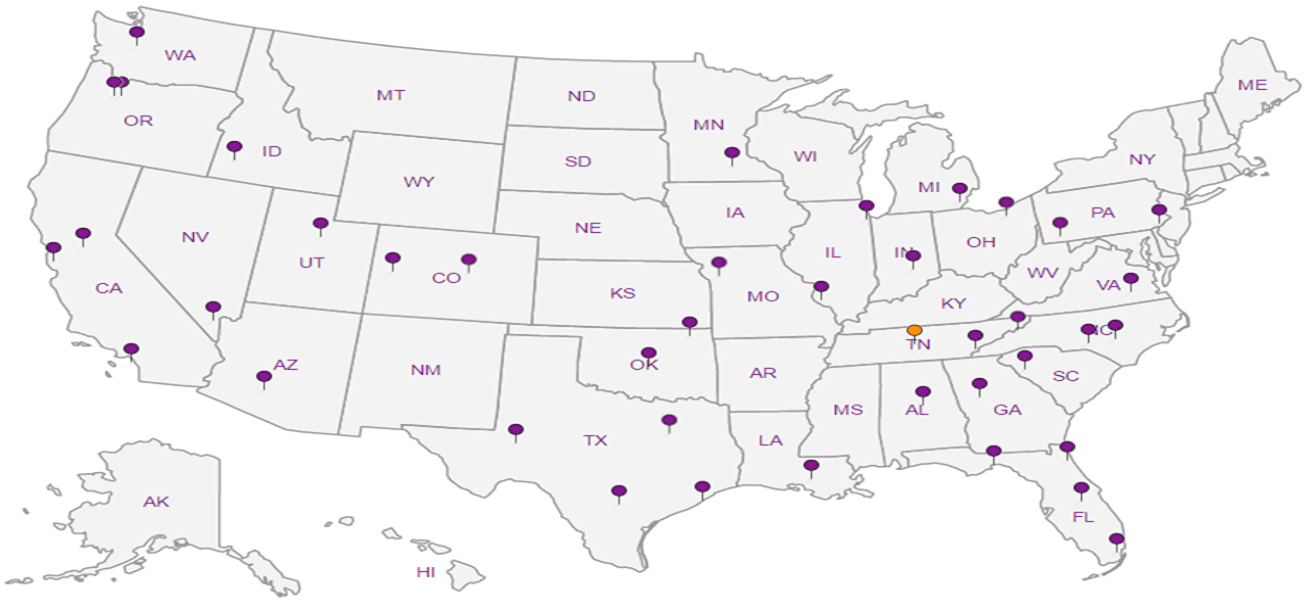
Third Party Federal Accreditations

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 # American Linen

Lab Project # PESENVSWA-ALP

Collected by (print): Ben Hecht

Site/Facility ID # 1413.001.05.601

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: STAT

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	NWTPHGX 40mlAmb HCl	VOCs 8260LLC 40mlAmb-HCl	NO3, SO4, Cl x 125mL	Alkalinity x 125mL	EBM (RSK175LL) x 40mL	TOC x 250mL Amb.	Total Mn 6020 250mL				
												42	42				
MW-158-042519	Grab	GW	~95	4-25-19	0955	12	X	X	X	X	X	X	X				-01
W-MW-01-042519	↓	GW	~75	↓	1215	12	X	X	X	X	X	X	X				02
R-MW6-042519	↓	GW	~17	↓	1320	6	X	X									03
TRIPBLANK-042519		GW	—	—	—	1	X	X									04
		GW															
		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 # L1092880
1032

Acctnum: PESENVSWA
Template: T149294
Prelogin: P704872
TSR: 110 - Brian Ford
PB:
Shipped Via:

Remarks | Sample # (lab only)

* 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 # 468646989982

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)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
	4/25/19	1600			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.4 3.5 °C Bottles Received: 29	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/26/19 Time: 0845	Hold: Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

May 08, 2019

PES Environmental, Inc.- WA

Sample Delivery Group:	L1093242
Samples Received:	04/27/2019
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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MW106-042619 L1093242-01 GW

Collected by: K. Zygas | Collected date/time: 04/26/19 09:30 | Received date/time: 04/27/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1275809	1	05/04/19 20:24	05/04/19 20:24	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1272741	1	04/27/19 13:06	04/27/19 13:06	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1273394	1	04/29/19 19:55	04/29/19 19:55	EEM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1271844	1	04/30/19 09:36	05/07/19 23:12	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1274492	1	05/01/19 15:18	05/01/19 15:18	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1275531	1	05/03/19 15:01	05/03/19 15:01	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1272804	1	04/27/19 16:01	04/27/19 16:01	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1275623	1	05/03/19 13:59	05/03/19 13:59	JHH	Mt. Juliet, TN

MW145-042619 L1093242-02 GW

Collected by: K. Zygas | Collected date/time: 04/26/19 11:40 | Received date/time: 04/27/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1275809	1	05/04/19 20:31	05/04/19 20:31	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1272741	1	04/27/19 13:21	04/27/19 13:21	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1273394	1	04/29/19 20:10	04/29/19 20:10	EEM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1271844	1	04/30/19 09:36	05/07/19 23:17	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1274492	1	05/01/19 15:38	05/01/19 15:38	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1275531	1	05/03/19 15:15	05/03/19 15:15	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1272804	1	04/27/19 16:21	04/27/19 16:21	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1275623	1	05/03/19 14:19	05/03/19 14:19	JHH	Mt. Juliet, TN

MW110-042619 L1093242-03 GW

Collected by: K. Zygas | Collected date/time: 04/26/19 13:30 | Received date/time: 04/27/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1272804	1	04/27/19 16:41	04/27/19 16:41	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1275623	50	05/03/19 16:20	05/03/19 16:20	DWR	Mt. Juliet, TN

TRIP BLANK-042419 L1093242-04 GW

Collected by: K. Zygas | Collected date/time: 04/26/19 00:00 | Received date/time: 04/27/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1274492	1	05/01/19 13:35	05/01/19 13:35	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1272804	1	04/27/19 11:51	04/27/19 11:51	BMB	Mt. Juliet, TN

MW-910-042619 L1093242-05 GW

Collected by: K. Zygas | Collected date/time: 04/26/19 08:15 | Received date/time: 04/27/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1274492	1	05/01/19 15:59	05/01/19 15:59	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1272804	1	04/27/19 17:01	04/27/19 17:01	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1275623	1	05/03/19 14:59	05/03/19 14:59	DWR	Mt. Juliet, TN

MW-178-042619 L1093242-06 GW

Collected by: K. Zygas | Collected date/time: 04/26/19 09:10 | Received date/time: 04/27/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1275809	1	05/04/19 20:39	05/04/19 20:39	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1272741	1	04/27/19 14:05	04/27/19 14:05	ST	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1272741	5	04/27/19 14:58	04/27/19 14:58	ST	Mt. Juliet, TN

MW-178-042619 L1093242-06 GW

Collected by: K. Zygas
Collected date/time: 04/26/19 09:10
Received date/time: 04/27/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9060A	WG1273394	1	04/29/19 20:23	04/29/19 20:23	EEM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1271844	1	04/30/19 09:36	05/07/19 23:21	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1274492	1	05/01/19 16:20	05/01/19 16:20	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1275531	1	05/03/19 15:20	05/03/19 15:20	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1272804	1	04/27/19 17:21	04/27/19 17:21	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1275623	1	05/03/19 15:19	05/03/19 15:19	DWR	Mt. Juliet, TN

MW-159-042519 L1093242-07 GW

Collected by: K. Zygas
Collected date/time: 04/26/19 11:05
Received date/time: 04/27/19 08:45

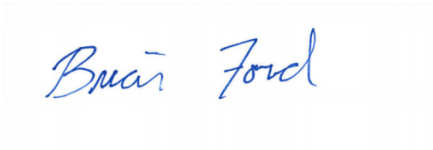
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1274492	1	05/01/19 16:40	05/01/19 16:40	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1272804	1	04/27/19 17:41	04/27/19 17:41	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1275623	1	05/03/19 15:39	05/03/19 15:39	DWR	Mt. Juliet, TN

MW-9-042619 L1093242-08 GW

Collected by: K. Zygas
Collected date/time: 04/26/19 13:00
Received date/time: 04/27/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1274492	1	05/01/19 17:01	05/01/19 17:01	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1272804	1	04/27/19 18:01	04/27/19 18:01	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1275623	1	05/03/19 16:00	05/03/19 16:00	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

Sample Handling and Receiving

The following analysis were performed from an unpreserved, insufficiently or inadequately preserved sample.

Lab Sample ID	Project Sample ID	Method
L1093242-06	MW-178-042619	9060A

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	267000		2710	20000	1	05/04/2019 20:24	WG1275809

Sample Narrative:

L1093242-01 WG1275809: 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	23600		51.9	1000	1	04/27/2019 13:06	WG1272741
Nitrate	U		22.7	100	1	04/27/2019 13:06	WG1272741
Sulfate	15900		77.4	5000	1	04/27/2019 13:06	WG1272741

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)	3320		102	1000	1	04/29/2019 19:55	WG1273394

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3420		15.0	100	1	05/07/2019 23:12	WG1271844
Manganese	695		0.250	5.00	1	05/07/2019 23:12	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	05/01/2019 15:18	WG1274492
(S) a,a,a-Trifluorotoluene(FID)	*92.9*			*78.0-120*		*05/01/2019 15:18*	WG1274492

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	42.1		0.287	0.678	1	05/03/2019 15:01	WG1275531
Ethane	U		0.296	1.29	1	05/03/2019 15:01	WG1275531
Ethene	U		0.422	1.27	1	05/03/2019 15:01	WG1275531

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	1.65	J	1.05	25.0	1	04/27/2019 16:01	WG1272804
Acrylonitrile	U		0.873	5.00	1	04/27/2019 16:01	WG1272804
Benzene	U		0.0896	0.500	1	04/27/2019 16:01	WG1272804
Bromobenzene	U		0.133	0.500	1	04/27/2019 16:01	WG1272804
Bromodichloromethane	U		0.0800	0.500	1	04/27/2019 16:01	WG1272804
Bromochloromethane	U		0.145	0.500	1	04/27/2019 16:01	WG1272804
Bromoform	U		0.186	0.500	1	04/27/2019 16:01	WG1272804
Bromomethane	U	J0	0.157	2.50	1	04/27/2019 16:01	WG1272804
n-Butylbenzene	U		0.143	0.500	1	04/27/2019 16:01	WG1272804
sec-Butylbenzene	U		0.134	0.500	1	04/27/2019 16:01	WG1272804
tert-Butylbenzene	U		0.183	0.500	1	04/27/2019 16:01	WG1272804
Carbon disulfide	0.142	J	0.101	0.500	1	04/27/2019 16:01	WG1272804
Carbon tetrachloride	U		0.159	0.500	1	04/27/2019 16:01	WG1272804

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/27/2019 16:01	WG1272804
Chlorodibromomethane	U		0.128	0.500	1	04/27/2019 16:01	WG1272804
Chloroethane	U	J0	0.141	2.50	1	05/03/2019 13:59	WG1275623
Chloroform	U		0.0860	0.500	1	04/27/2019 16:01	WG1272804
Chloromethane	U		0.153	1.25	1	04/27/2019 16:01	WG1272804
2-Chlorotoluene	U		0.111	0.500	1	04/27/2019 16:01	WG1272804
4-Chlorotoluene	U		0.0972	0.500	1	04/27/2019 16:01	WG1272804
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/27/2019 16:01	WG1272804
1,2-Dibromoethane	U		0.193	0.500	1	04/27/2019 16:01	WG1272804
Dibromomethane	U		0.117	0.500	1	04/27/2019 16:01	WG1272804
1,2-Dichlorobenzene	U		0.101	0.500	1	04/27/2019 16:01	WG1272804
1,3-Dichlorobenzene	U		0.130	0.500	1	04/27/2019 16:01	WG1272804
1,4-Dichlorobenzene	U		0.121	0.500	1	04/27/2019 16:01	WG1272804
Dichlorodifluoromethane	U		0.127	2.50	1	04/27/2019 16:01	WG1272804
1,1-Dichloroethane	U		0.114	0.500	1	05/03/2019 13:59	WG1275623
1,2-Dichloroethane	U		0.108	0.500	1	04/27/2019 16:01	WG1272804
1,1-Dichloroethene	U		0.188	0.500	1	04/27/2019 16:01	WG1272804
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/27/2019 16:01	WG1272804
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/27/2019 16:01	WG1272804
1,2-Dichloropropane	U		0.190	0.500	1	04/27/2019 16:01	WG1272804
1,1-Dichloropropene	U		0.128	0.500	1	04/27/2019 16:01	WG1272804
1,3-Dichloropropane	U		0.147	1.00	1	04/27/2019 16:01	WG1272804
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/27/2019 16:01	WG1272804
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/27/2019 16:01	WG1272804
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/27/2019 16:01	WG1272804
2,2-Dichloropropane	U		0.0929	0.500	1	04/27/2019 16:01	WG1272804
Di-isopropyl ether	U		0.0924	0.500	1	04/27/2019 16:01	WG1272804
Ethylbenzene	U		0.158	0.500	1	04/27/2019 16:01	WG1272804
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/27/2019 16:01	WG1272804
2-Hexanone	U		0.757	5.00	1	04/27/2019 16:01	WG1272804
n-Hexane	U		0.305	5.00	1	04/27/2019 16:01	WG1272804
Iodomethane	U		0.377	10.0	1	04/27/2019 16:01	WG1272804
Isopropylbenzene	U		0.126	0.500	1	04/27/2019 16:01	WG1272804
p-Isopropyltoluene	U		0.138	0.500	1	04/27/2019 16:01	WG1272804
2-Butanone (MEK)	U		1.28	5.00	1	04/27/2019 16:01	WG1272804
Methylene Chloride	U		1.07	2.50	1	04/27/2019 16:01	WG1272804
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/27/2019 16:01	WG1272804
Methyl tert-butyl ether	U		0.102	0.500	1	04/27/2019 16:01	WG1272804
Naphthalene	U		0.174	2.50	1	04/27/2019 16:01	WG1272804
n-Propylbenzene	U		0.162	0.500	1	04/27/2019 16:01	WG1272804
Styrene	U		0.117	0.500	1	04/27/2019 16:01	WG1272804
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/27/2019 16:01	WG1272804
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/27/2019 16:01	WG1272804
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/27/2019 16:01	WG1272804
Tetrachloroethene	U		0.199	0.500	1	04/27/2019 16:01	WG1272804
Toluene	U		0.412	0.500	1	04/27/2019 16:01	WG1272804
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/27/2019 16:01	WG1272804
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/27/2019 16:01	WG1272804
1,1,1-Trichloroethane	U		0.0940	0.500	1	05/03/2019 13:59	WG1275623
1,1,2-Trichloroethane	U		0.186	0.500	1	04/27/2019 16:01	WG1272804
Trichloroethene	U		0.153	0.500	1	04/27/2019 16:01	WG1272804
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/27/2019 16:01	WG1272804
1,2,3-Trichloropropane	U		0.247	2.50	1	04/27/2019 16:01	WG1272804
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/27/2019 16:01	WG1272804
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/27/2019 16:01	WG1272804
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/27/2019 16:01	WG1272804

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	04/27/2019 16:01	WG1272804
Vinyl chloride	U	J0	0.118	0.500	1	04/27/2019 16:01	WG1272804
Xylenes, Total	U		0.316	1.50	1	04/27/2019 16:01	WG1272804
(S) Toluene-d8	*97.8*			*80.0-120*		*04/27/2019 16:01*	WG1272804
(S) Toluene-d8	*96.7*			*80.0-120*		*05/03/2019 13:59*	WG1275623
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*04/27/2019 16:01*	WG1272804
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*05/03/2019 13:59*	WG1275623
(S) 1,2-Dichloroethane-d4	*96.8*			*70.0-130*		*04/27/2019 16:01*	WG1272804
(S) 1,2-Dichloroethane-d4	*94.6*			*70.0-130*		*05/03/2019 13:59*	WG1275623

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	287000		2710	20000	1	05/04/2019 20:31	WG1275809

Sample Narrative:

L1093242-02 WG1275809: 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	44700		51.9	1000	1	04/27/2019 13:21	WG1272741
Nitrate	U		22.7	100	1	04/27/2019 13:21	WG1272741
Sulfate	73900		77.4	5000	1	04/27/2019 13:21	WG1272741

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)	5290		102	1000	1	04/29/2019 20:10	WG1273394

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	5730		15.0	100	1	05/07/2019 23:17	WG1271844
Manganese	318		0.250	5.00	1	05/07/2019 23:17	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	05/01/2019 15:38	WG1274492
(S) a,a,a-Trifluorotoluene(FID)	*93.9*			*78.0-120*		*05/01/2019 15:38*	WG1274492

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	455		0.287	0.678	1	05/03/2019 15:15	WG1275531
Ethane	1.73		0.296	1.29	1	05/03/2019 15:15	WG1275531
Ethene	5.24		0.422	1.27	1	05/03/2019 15:15	WG1275531

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	3.01	J	1.05	25.0	1	04/27/2019 16:21	WG1272804
Acrylonitrile	U		0.873	5.00	1	04/27/2019 16:21	WG1272804
Benzene	U		0.0896	0.500	1	04/27/2019 16:21	WG1272804
Bromobenzene	U		0.133	0.500	1	04/27/2019 16:21	WG1272804
Bromodichloromethane	U		0.0800	0.500	1	04/27/2019 16:21	WG1272804
Bromochloromethane	U		0.145	0.500	1	04/27/2019 16:21	WG1272804
Bromoform	U		0.186	0.500	1	04/27/2019 16:21	WG1272804
Bromomethane	U	J0	0.157	2.50	1	04/27/2019 16:21	WG1272804
n-Butylbenzene	U		0.143	0.500	1	04/27/2019 16:21	WG1272804
sec-Butylbenzene	U		0.134	0.500	1	04/27/2019 16:21	WG1272804
tert-Butylbenzene	U		0.183	0.500	1	04/27/2019 16:21	WG1272804
Carbon disulfide	0.365	J	0.101	0.500	1	04/27/2019 16:21	WG1272804
Carbon tetrachloride	U		0.159	0.500	1	04/27/2019 16:21	WG1272804

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/27/2019 16:21	WG1272804
Chlorodibromomethane	U		0.128	0.500	1	04/27/2019 16:21	WG1272804
Chloroethane	U	J0	0.141	2.50	1	05/03/2019 14:19	WG1275623
Chloroform	U		0.0860	0.500	1	04/27/2019 16:21	WG1272804
Chloromethane	U		0.153	1.25	1	04/27/2019 16:21	WG1272804
2-Chlorotoluene	U		0.111	0.500	1	04/27/2019 16:21	WG1272804
4-Chlorotoluene	U		0.0972	0.500	1	04/27/2019 16:21	WG1272804
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/27/2019 16:21	WG1272804
1,2-Dibromoethane	U		0.193	0.500	1	04/27/2019 16:21	WG1272804
Dibromomethane	U		0.117	0.500	1	04/27/2019 16:21	WG1272804
1,2-Dichlorobenzene	U		0.101	0.500	1	04/27/2019 16:21	WG1272804
1,3-Dichlorobenzene	U		0.130	0.500	1	04/27/2019 16:21	WG1272804
1,4-Dichlorobenzene	U		0.121	0.500	1	04/27/2019 16:21	WG1272804
Dichlorodifluoromethane	U		0.127	2.50	1	04/27/2019 16:21	WG1272804
1,1-Dichloroethane	U		0.114	0.500	1	05/03/2019 14:19	WG1275623
1,2-Dichloroethane	U		0.108	0.500	1	04/27/2019 16:21	WG1272804
1,1-Dichloroethene	U		0.188	0.500	1	04/27/2019 16:21	WG1272804
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/27/2019 16:21	WG1272804
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/27/2019 16:21	WG1272804
1,2-Dichloropropane	U		0.190	0.500	1	04/27/2019 16:21	WG1272804
1,1-Dichloropropene	U		0.128	0.500	1	04/27/2019 16:21	WG1272804
1,3-Dichloropropane	U		0.147	1.00	1	04/27/2019 16:21	WG1272804
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/27/2019 16:21	WG1272804
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/27/2019 16:21	WG1272804
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/27/2019 16:21	WG1272804
2,2-Dichloropropane	U		0.0929	0.500	1	04/27/2019 16:21	WG1272804
Di-isopropyl ether	U		0.0924	0.500	1	04/27/2019 16:21	WG1272804
Ethylbenzene	U		0.158	0.500	1	04/27/2019 16:21	WG1272804
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/27/2019 16:21	WG1272804
2-Hexanone	U		0.757	5.00	1	04/27/2019 16:21	WG1272804
n-Hexane	U		0.305	5.00	1	04/27/2019 16:21	WG1272804
Iodomethane	U		0.377	10.0	1	04/27/2019 16:21	WG1272804
Isopropylbenzene	U		0.126	0.500	1	04/27/2019 16:21	WG1272804
p-Isopropyltoluene	U		0.138	0.500	1	04/27/2019 16:21	WG1272804
2-Butanone (MEK)	U		1.28	5.00	1	04/27/2019 16:21	WG1272804
Methylene Chloride	U		1.07	2.50	1	04/27/2019 16:21	WG1272804
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/27/2019 16:21	WG1272804
Methyl tert-butyl ether	U		0.102	0.500	1	04/27/2019 16:21	WG1272804
Naphthalene	U		0.174	2.50	1	04/27/2019 16:21	WG1272804
n-Propylbenzene	U		0.162	0.500	1	04/27/2019 16:21	WG1272804
Styrene	U		0.117	0.500	1	04/27/2019 16:21	WG1272804
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/27/2019 16:21	WG1272804
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/27/2019 16:21	WG1272804
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/27/2019 16:21	WG1272804
Tetrachloroethene	U		0.199	0.500	1	04/27/2019 16:21	WG1272804
Toluene	U		0.412	0.500	1	04/27/2019 16:21	WG1272804
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/27/2019 16:21	WG1272804
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/27/2019 16:21	WG1272804
1,1,1-Trichloroethane	U		0.0940	0.500	1	05/03/2019 14:19	WG1275623
1,1,2-Trichloroethane	U		0.186	0.500	1	04/27/2019 16:21	WG1272804
Trichloroethene	U		0.153	0.500	1	04/27/2019 16:21	WG1272804
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/27/2019 16:21	WG1272804
1,2,3-Trichloropropane	U		0.247	2.50	1	04/27/2019 16:21	WG1272804
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/27/2019 16:21	WG1272804
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/27/2019 16:21	WG1272804
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/27/2019 16:21	WG1272804

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	04/27/2019 16:21	WG1272804
Vinyl chloride	0.392	J J0	0.118	0.500	1	04/27/2019 16:21	WG1272804
Xylenes, Total	U		0.316	1.50	1	04/27/2019 16:21	WG1272804
(S) Toluene-d8	*99.1*			*80.0-120*		*04/27/2019 16:21*	WG1272804
(S) Toluene-d8	*99.5*			*80.0-120*		*05/03/2019 14:19*	WG1275623
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*04/27/2019 16:21*	WG1272804
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*05/03/2019 14:19*	WG1275623
(S) 1,2-Dichloroethane-d4	*96.0*			*70.0-130*		*04/27/2019 16:21*	WG1272804
(S) 1,2-Dichloroethane-d4	*94.9*			*70.0-130*		*05/03/2019 14:19*	WG1275623

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	04/27/2019 16:41	WG1272804
Acrylonitrile	U		0.873	5.00	1	04/27/2019 16:41	WG1272804
Benzene	0.291	J	0.0896	0.500	1	04/27/2019 16:41	WG1272804
Bromobenzene	U		0.133	0.500	1	04/27/2019 16:41	WG1272804
Bromodichloromethane	U		0.0800	0.500	1	04/27/2019 16:41	WG1272804
Bromochloromethane	U		0.145	0.500	1	04/27/2019 16:41	WG1272804
Bromoform	U		0.186	0.500	1	04/27/2019 16:41	WG1272804
Bromomethane	U	J0	0.157	2.50	1	04/27/2019 16:41	WG1272804
n-Butylbenzene	U		0.143	0.500	1	04/27/2019 16:41	WG1272804
sec-Butylbenzene	U		0.134	0.500	1	04/27/2019 16:41	WG1272804
tert-Butylbenzene	U		0.183	0.500	1	04/27/2019 16:41	WG1272804
Carbon disulfide	U		0.101	0.500	1	04/27/2019 16:41	WG1272804
Carbon tetrachloride	U		0.159	0.500	1	04/27/2019 16:41	WG1272804
Chlorobenzene	U		0.140	0.500	1	04/27/2019 16:41	WG1272804
Chlorodibromomethane	U		0.128	0.500	1	04/27/2019 16:41	WG1272804
Chloroethane	U	J0	7.05	125	50	05/03/2019 16:20	WG1275623
Chloroform	U		0.0860	0.500	1	04/27/2019 16:41	WG1272804
Chloromethane	U		0.153	1.25	1	04/27/2019 16:41	WG1272804
2-Chlorotoluene	U		0.111	0.500	1	04/27/2019 16:41	WG1272804
4-Chlorotoluene	U		0.0972	0.500	1	04/27/2019 16:41	WG1272804
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/27/2019 16:41	WG1272804
1,2-Dibromoethane	U		0.193	0.500	1	04/27/2019 16:41	WG1272804
Dibromomethane	U		0.117	0.500	1	04/27/2019 16:41	WG1272804
1,2-Dichlorobenzene	U		0.101	0.500	1	04/27/2019 16:41	WG1272804
1,3-Dichlorobenzene	U		0.130	0.500	1	04/27/2019 16:41	WG1272804
1,4-Dichlorobenzene	U		0.121	0.500	1	04/27/2019 16:41	WG1272804
Dichlorodifluoromethane	U		0.127	2.50	1	04/27/2019 16:41	WG1272804
1,1-Dichloroethane	U		5.70	25.0	50	05/03/2019 16:20	WG1275623
1,2-Dichloroethane	U		0.108	0.500	1	04/27/2019 16:41	WG1272804
1,1-Dichloroethene	7.03		0.188	0.500	1	04/27/2019 16:41	WG1272804
cis-1,2-Dichloroethene	710		4.66	25.0	50	05/03/2019 16:20	WG1275623
trans-1,2-Dichloroethene	5.59		0.152	0.500	1	04/27/2019 16:41	WG1272804
1,2-Dichloropropane	U		0.190	0.500	1	04/27/2019 16:41	WG1272804
1,1-Dichloropropene	U		0.128	0.500	1	04/27/2019 16:41	WG1272804
1,3-Dichloropropane	U		0.147	1.00	1	04/27/2019 16:41	WG1272804
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/27/2019 16:41	WG1272804
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/27/2019 16:41	WG1272804
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/27/2019 16:41	WG1272804
2,2-Dichloropropane	U		0.0929	0.500	1	04/27/2019 16:41	WG1272804
Di-isopropyl ether	U		0.0924	0.500	1	04/27/2019 16:41	WG1272804
Ethylbenzene	U		0.158	0.500	1	04/27/2019 16:41	WG1272804
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/27/2019 16:41	WG1272804
2-Hexanone	U		0.757	5.00	1	04/27/2019 16:41	WG1272804
n-Hexane	U		0.305	5.00	1	04/27/2019 16:41	WG1272804
Iodomethane	U		0.377	10.0	1	04/27/2019 16:41	WG1272804
Isopropylbenzene	U		0.126	0.500	1	04/27/2019 16:41	WG1272804
p-Isopropyltoluene	U		0.138	0.500	1	04/27/2019 16:41	WG1272804
2-Butanone (MEK)	U		1.28	5.00	1	04/27/2019 16:41	WG1272804
Methylene Chloride	U		1.07	2.50	1	04/27/2019 16:41	WG1272804
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/27/2019 16:41	WG1272804
Methyl tert-butyl ether	U		0.102	0.500	1	04/27/2019 16:41	WG1272804
Naphthalene	U		0.174	2.50	1	04/27/2019 16:41	WG1272804
n-Propylbenzene	U		0.162	0.500	1	04/27/2019 16:41	WG1272804
Styrene	U		0.117	0.500	1	04/27/2019 16:41	WG1272804
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/27/2019 16:41	WG1272804
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/27/2019 16:41	WG1272804

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/27/2019 16:41	WG1272804
Tetrachloroethene	1500		9.95	25.0	50	05/03/2019 16:20	WG1275623
Toluene	U		0.412	0.500	1	04/27/2019 16:41	WG1272804
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/27/2019 16:41	WG1272804
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/27/2019 16:41	WG1272804
1,1,1-Trichloroethane	U		4.70	25.0	50	05/03/2019 16:20	WG1275623
1,1,2-Trichloroethane	U		0.186	0.500	1	04/27/2019 16:41	WG1272804
Trichloroethene	613		7.65	25.0	50	05/03/2019 16:20	WG1275623
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/27/2019 16:41	WG1272804
1,2,3-Trichloropropane	U		0.247	2.50	1	04/27/2019 16:41	WG1272804
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/27/2019 16:41	WG1272804
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/27/2019 16:41	WG1272804
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/27/2019 16:41	WG1272804
Vinyl acetate	U		0.645	5.00	1	04/27/2019 16:41	WG1272804
Vinyl chloride	0.900	J0	0.118	0.500	1	04/27/2019 16:41	WG1272804
Xylenes, Total	U		0.316	1.50	1	04/27/2019 16:41	WG1272804
(S) Toluene-d8	*99.1*			*80.0-120*		*04/27/2019 16:41*	WG1272804
(S) Toluene-d8	*98.7*			*80.0-120*		*05/03/2019 16:20*	WG1275623
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*04/27/2019 16:41*	WG1272804
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*05/03/2019 16:20*	WG1275623
(S) 1,2-Dichloroethane-d4	*92.1*			*70.0-130*		*04/27/2019 16:41*	WG1272804
(S) 1,2-Dichloroethane-d4	*98.9*			*70.0-130*		*05/03/2019 16:20*	WG1275623

Sample Narrative:

L1093242-03 WG1272804, WG1275623: Not all compounds reportable at lower dilution.

L1093242-03 WG1272804, WG1275623: 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	05/01/2019 13:35	WG1274492
(S) a,a,a-Trifluorotoluene(FID)	*92.8*			*78.0-120*		*05/01/2019 13:35*	WG1274492

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	1.43	J	1.05	25.0	1	04/27/2019 11:51	WG1272804
Acrylonitrile	U		0.873	5.00	1	04/27/2019 11:51	WG1272804
Benzene	U		0.0896	0.500	1	04/27/2019 11:51	WG1272804
Bromobenzene	U		0.133	0.500	1	04/27/2019 11:51	WG1272804
Bromodichloromethane	U		0.0800	0.500	1	04/27/2019 11:51	WG1272804
Bromochloromethane	U		0.145	0.500	1	04/27/2019 11:51	WG1272804
Bromoform	U		0.186	0.500	1	04/27/2019 11:51	WG1272804
Bromomethane	U	J0	0.157	2.50	1	04/27/2019 11:51	WG1272804
n-Butylbenzene	U		0.143	0.500	1	04/27/2019 11:51	WG1272804
sec-Butylbenzene	U		0.134	0.500	1	04/27/2019 11:51	WG1272804
tert-Butylbenzene	U		0.183	0.500	1	04/27/2019 11:51	WG1272804
Carbon disulfide	U		0.101	0.500	1	04/27/2019 11:51	WG1272804
Carbon tetrachloride	U		0.159	0.500	1	04/27/2019 11:51	WG1272804
Chlorobenzene	U		0.140	0.500	1	04/27/2019 11:51	WG1272804
Chlorodibromomethane	U		0.128	0.500	1	04/27/2019 11:51	WG1272804
Chloroethane	U	J0	0.141	2.50	1	04/27/2019 11:51	WG1272804
Chloroform	U		0.0860	0.500	1	04/27/2019 11:51	WG1272804
Chloromethane	U		0.153	1.25	1	04/27/2019 11:51	WG1272804
2-Chlorotoluene	U		0.111	0.500	1	04/27/2019 11:51	WG1272804
4-Chlorotoluene	U		0.0972	0.500	1	04/27/2019 11:51	WG1272804
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/27/2019 11:51	WG1272804
1,2-Dibromoethane	U		0.193	0.500	1	04/27/2019 11:51	WG1272804
Dibromomethane	U		0.117	0.500	1	04/27/2019 11:51	WG1272804
1,2-Dichlorobenzene	U		0.101	0.500	1	04/27/2019 11:51	WG1272804
1,3-Dichlorobenzene	U		0.130	0.500	1	04/27/2019 11:51	WG1272804
1,4-Dichlorobenzene	U		0.121	0.500	1	04/27/2019 11:51	WG1272804
Dichlorodifluoromethane	U		0.127	2.50	1	04/27/2019 11:51	WG1272804
1,1-Dichloroethane	U		0.114	0.500	1	04/27/2019 11:51	WG1272804
1,2-Dichloroethane	U		0.108	0.500	1	04/27/2019 11:51	WG1272804
1,1-Dichloroethene	U		0.188	0.500	1	04/27/2019 11:51	WG1272804
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/27/2019 11:51	WG1272804
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/27/2019 11:51	WG1272804
1,2-Dichloropropane	U		0.190	0.500	1	04/27/2019 11:51	WG1272804
1,1-Dichloropropene	U		0.128	0.500	1	04/27/2019 11:51	WG1272804
1,3-Dichloropropane	U		0.147	1.00	1	04/27/2019 11:51	WG1272804
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/27/2019 11:51	WG1272804
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/27/2019 11:51	WG1272804
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/27/2019 11:51	WG1272804
2,2-Dichloropropane	U		0.0929	0.500	1	04/27/2019 11:51	WG1272804
Di-isopropyl ether	U		0.0924	0.500	1	04/27/2019 11:51	WG1272804
Ethylbenzene	U		0.158	0.500	1	04/27/2019 11:51	WG1272804
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/27/2019 11:51	WG1272804
2-Hexanone	U		0.757	5.00	1	04/27/2019 11:51	WG1272804
n-Hexane	U		0.305	5.00	1	04/27/2019 11:51	WG1272804
Iodomethane	U		0.377	10.0	1	04/27/2019 11:51	WG1272804
Isopropylbenzene	U		0.126	0.500	1	04/27/2019 11:51	WG1272804
p-Isopropyltoluene	U		0.138	0.500	1	04/27/2019 11:51	WG1272804
2-Butanone (MEK)	U		1.28	5.00	1	04/27/2019 11:51	WG1272804

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	04/27/2019 11:51	WG1272804
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/27/2019 11:51	WG1272804
Methyl tert-butyl ether	U		0.102	0.500	1	04/27/2019 11:51	WG1272804
Naphthalene	U		0.174	2.50	1	04/27/2019 11:51	WG1272804
n-Propylbenzene	U		0.162	0.500	1	04/27/2019 11:51	WG1272804
Styrene	U		0.117	0.500	1	04/27/2019 11:51	WG1272804
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/27/2019 11:51	WG1272804
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/27/2019 11:51	WG1272804
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/27/2019 11:51	WG1272804
Tetrachloroethene	U		0.199	0.500	1	04/27/2019 11:51	WG1272804
Toluene	U		0.412	0.500	1	04/27/2019 11:51	WG1272804
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/27/2019 11:51	WG1272804
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/27/2019 11:51	WG1272804
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/27/2019 11:51	WG1272804
1,1,2-Trichloroethane	U		0.186	0.500	1	04/27/2019 11:51	WG1272804
Trichloroethene	U		0.153	0.500	1	04/27/2019 11:51	WG1272804
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/27/2019 11:51	WG1272804
1,2,3-Trichloropropane	U		0.247	2.50	1	04/27/2019 11:51	WG1272804
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/27/2019 11:51	WG1272804
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/27/2019 11:51	WG1272804
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/27/2019 11:51	WG1272804
Vinyl acetate	U		0.645	5.00	1	04/27/2019 11:51	WG1272804
Vinyl chloride	U	J0	0.118	0.500	1	04/27/2019 11:51	WG1272804
Xylenes, Total	U		0.316	1.50	1	04/27/2019 11:51	WG1272804
(S) Toluene-d8	*106*			*80.0-120*		*04/27/2019 11:51*	WG1272804
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*04/27/2019 11:51*	WG1272804
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*04/27/2019 11:51*	WG1272804

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	05/01/2019 15:59	WG1274492
(S) a,a,a-Trifluorotoluene(FID)	*93.2*			*78.0-120*		*05/01/2019 15:59*	WG1274492

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	1.65	J	1.05	25.0	1	04/27/2019 17:01	WG1272804
Acrylonitrile	U		0.873	5.00	1	04/27/2019 17:01	WG1272804
Benzene	0.193	J	0.0896	0.500	1	04/27/2019 17:01	WG1272804
Bromobenzene	U		0.133	0.500	1	04/27/2019 17:01	WG1272804
Bromodichloromethane	U		0.0800	0.500	1	04/27/2019 17:01	WG1272804
Bromochloromethane	U		0.145	0.500	1	04/27/2019 17:01	WG1272804
Bromoform	U		0.186	0.500	1	04/27/2019 17:01	WG1272804
Bromomethane	U	J0	0.157	2.50	1	04/27/2019 17:01	WG1272804
n-Butylbenzene	U		0.143	0.500	1	04/27/2019 17:01	WG1272804
sec-Butylbenzene	U		0.134	0.500	1	04/27/2019 17:01	WG1272804
tert-Butylbenzene	U		0.183	0.500	1	04/27/2019 17:01	WG1272804
Carbon disulfide	U		0.101	0.500	1	04/27/2019 17:01	WG1272804
Carbon tetrachloride	U		0.159	0.500	1	04/27/2019 17:01	WG1272804
Chlorobenzene	U		0.140	0.500	1	04/27/2019 17:01	WG1272804
Chlorodibromomethane	U		0.128	0.500	1	04/27/2019 17:01	WG1272804
Chloroethane	U	J0	0.141	2.50	1	05/03/2019 14:59	WG1275623
Chloroform	U		0.0860	0.500	1	04/27/2019 17:01	WG1272804
Chloromethane	U		0.153	1.25	1	04/27/2019 17:01	WG1272804
2-Chlorotoluene	U		0.111	0.500	1	04/27/2019 17:01	WG1272804
4-Chlorotoluene	U		0.0972	0.500	1	04/27/2019 17:01	WG1272804
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/27/2019 17:01	WG1272804
1,2-Dibromoethane	U		0.193	0.500	1	04/27/2019 17:01	WG1272804
Dibromomethane	U		0.117	0.500	1	04/27/2019 17:01	WG1272804
1,2-Dichlorobenzene	U		0.101	0.500	1	04/27/2019 17:01	WG1272804
1,3-Dichlorobenzene	U		0.130	0.500	1	04/27/2019 17:01	WG1272804
1,4-Dichlorobenzene	U		0.121	0.500	1	04/27/2019 17:01	WG1272804
Dichlorodifluoromethane	U		0.127	2.50	1	04/27/2019 17:01	WG1272804
1,1-Dichloroethane	U		0.114	0.500	1	05/03/2019 14:59	WG1275623
1,2-Dichloroethane	U		0.108	0.500	1	04/27/2019 17:01	WG1272804
1,1-Dichloroethene	U		0.188	0.500	1	04/27/2019 17:01	WG1272804
cis-1,2-Dichloroethene	1.12		0.0933	0.500	1	05/03/2019 14:59	WG1275623
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/27/2019 17:01	WG1272804
1,2-Dichloropropane	U		0.190	0.500	1	04/27/2019 17:01	WG1272804
1,1-Dichloropropene	U		0.128	0.500	1	04/27/2019 17:01	WG1272804
1,3-Dichloropropane	U		0.147	1.00	1	04/27/2019 17:01	WG1272804
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/27/2019 17:01	WG1272804
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/27/2019 17:01	WG1272804
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/27/2019 17:01	WG1272804
2,2-Dichloropropane	U		0.0929	0.500	1	04/27/2019 17:01	WG1272804
Di-isopropyl ether	U		0.0924	0.500	1	04/27/2019 17:01	WG1272804
Ethylbenzene	U		0.158	0.500	1	04/27/2019 17:01	WG1272804
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/27/2019 17:01	WG1272804
2-Hexanone	U		0.757	5.00	1	04/27/2019 17:01	WG1272804
n-Hexane	U		0.305	5.00	1	04/27/2019 17:01	WG1272804
Iodomethane	U		0.377	10.0	1	04/27/2019 17:01	WG1272804
Isopropylbenzene	U		0.126	0.500	1	04/27/2019 17:01	WG1272804
p-Isopropyltoluene	U		0.138	0.500	1	04/27/2019 17:01	WG1272804
2-Butanone (MEK)	U		1.28	5.00	1	04/27/2019 17:01	WG1272804

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	04/27/2019 17:01	WG1272804
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/27/2019 17:01	WG1272804
Methyl tert-butyl ether	U		0.102	0.500	1	04/27/2019 17:01	WG1272804
Naphthalene	U		0.174	2.50	1	04/27/2019 17:01	WG1272804
n-Propylbenzene	U		0.162	0.500	1	04/27/2019 17:01	WG1272804
Styrene	U		0.117	0.500	1	04/27/2019 17:01	WG1272804
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/27/2019 17:01	WG1272804
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/27/2019 17:01	WG1272804
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/27/2019 17:01	WG1272804
Tetrachloroethene	U		0.199	0.500	1	05/03/2019 14:59	WG1275623
Toluene	U		0.412	0.500	1	04/27/2019 17:01	WG1272804
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/27/2019 17:01	WG1272804
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/27/2019 17:01	WG1272804
1,1,1-Trichloroethane	U		0.0940	0.500	1	05/03/2019 14:59	WG1275623
1,1,2-Trichloroethane	U		0.186	0.500	1	04/27/2019 17:01	WG1272804
Trichloroethene	U		0.153	0.500	1	05/03/2019 14:59	WG1275623
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/27/2019 17:01	WG1272804
1,2,3-Trichloropropane	U		0.247	2.50	1	04/27/2019 17:01	WG1272804
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/27/2019 17:01	WG1272804
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/27/2019 17:01	WG1272804
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/27/2019 17:01	WG1272804
Vinyl acetate	U		0.645	5.00	1	04/27/2019 17:01	WG1272804
Vinyl chloride	1.04	J0	0.118	0.500	1	04/27/2019 17:01	WG1272804
Xylenes, Total	U		0.316	1.50	1	04/27/2019 17:01	WG1272804
(S) Toluene-d8	*99.1*			*80.0-120*		*04/27/2019 17:01*	WG1272804
(S) Toluene-d8	*98.3*			*80.0-120*		*05/03/2019 14:59*	WG1275623
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*04/27/2019 17:01*	WG1272804
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*05/03/2019 14:59*	WG1275623
(S) 1,2-Dichloroethane-d4	*94.7*			*70.0-130*		*04/27/2019 17:01*	WG1272804
(S) 1,2-Dichloroethane-d4	*93.6*			*70.0-130*		*05/03/2019 14:59*	WG1275623

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	161000		2710	20000	1	05/04/2019 20:39	WG1275809

Sample Narrative:

L1093242-06 WG1275809: 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	17100		51.9	1000	1	04/27/2019 14:05	WG1272741
Nitrate	U		22.7	100	1	04/27/2019 14:05	WG1272741
Sulfate	175000		387	25000	5	04/27/2019 14:58	WG1272741

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)	5190		102	1000	1	04/29/2019 20:23	WG1273394

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2910		15.0	100	1	05/07/2019 23:21	WG1271844
Manganese	420		0.250	5.00	1	05/07/2019 23:21	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	05/01/2019 16:20	WG1274492
(S) a,a,a-Trifluorotoluene(FID)	*93.7*			*78.0-120*		*05/01/2019 16:20*	WG1274492

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1600		0.287	0.678	1	05/03/2019 15:20	WG1275531
Ethane	U		0.296	1.29	1	05/03/2019 15:20	WG1275531
Ethene	3.65		0.422	1.27	1	05/03/2019 15:20	WG1275531

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	1.70	J	1.05	25.0	1	04/27/2019 17:21	WG1272804
Acrylonitrile	U		0.873	5.00	1	04/27/2019 17:21	WG1272804
Benzene	U		0.0896	0.500	1	04/27/2019 17:21	WG1272804
Bromobenzene	U		0.133	0.500	1	04/27/2019 17:21	WG1272804
Bromodichloromethane	U		0.0800	0.500	1	04/27/2019 17:21	WG1272804
Bromochloromethane	U		0.145	0.500	1	04/27/2019 17:21	WG1272804
Bromoform	U		0.186	0.500	1	04/27/2019 17:21	WG1272804
Bromomethane	U	J0	0.157	2.50	1	04/27/2019 17:21	WG1272804
n-Butylbenzene	U		0.143	0.500	1	04/27/2019 17:21	WG1272804
sec-Butylbenzene	U		0.134	0.500	1	04/27/2019 17:21	WG1272804
tert-Butylbenzene	U		0.183	0.500	1	04/27/2019 17:21	WG1272804
Carbon disulfide	0.198	J	0.101	0.500	1	04/27/2019 17:21	WG1272804
Carbon tetrachloride	U		0.159	0.500	1	04/27/2019 17:21	WG1272804

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/27/2019 17:21	WG1272804
Chlorodibromomethane	U		0.128	0.500	1	04/27/2019 17:21	WG1272804
Chloroethane	U	J0	0.141	2.50	1	05/03/2019 15:19	WG1275623
Chloroform	U		0.0860	0.500	1	04/27/2019 17:21	WG1272804
Chloromethane	U		0.153	1.25	1	04/27/2019 17:21	WG1272804
2-Chlorotoluene	U		0.111	0.500	1	04/27/2019 17:21	WG1272804
4-Chlorotoluene	U		0.0972	0.500	1	04/27/2019 17:21	WG1272804
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/27/2019 17:21	WG1272804
1,2-Dibromoethane	U		0.193	0.500	1	04/27/2019 17:21	WG1272804
Dibromomethane	U		0.117	0.500	1	04/27/2019 17:21	WG1272804
1,2-Dichlorobenzene	U		0.101	0.500	1	04/27/2019 17:21	WG1272804
1,3-Dichlorobenzene	U		0.130	0.500	1	04/27/2019 17:21	WG1272804
1,4-Dichlorobenzene	U		0.121	0.500	1	04/27/2019 17:21	WG1272804
Dichlorodifluoromethane	U		0.127	2.50	1	04/27/2019 17:21	WG1272804
1,1-Dichloroethane	U		0.114	0.500	1	05/03/2019 15:19	WG1275623
1,2-Dichloroethane	U		0.108	0.500	1	04/27/2019 17:21	WG1272804
1,1-Dichloroethene	U		0.188	0.500	1	04/27/2019 17:21	WG1272804
cis-1,2-Dichloroethene	U		0.0933	0.500	1	05/03/2019 15:19	WG1275623
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/27/2019 17:21	WG1272804
1,2-Dichloropropane	U		0.190	0.500	1	04/27/2019 17:21	WG1272804
1,1-Dichloropropene	U		0.128	0.500	1	04/27/2019 17:21	WG1272804
1,3-Dichloropropane	U		0.147	1.00	1	04/27/2019 17:21	WG1272804
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/27/2019 17:21	WG1272804
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/27/2019 17:21	WG1272804
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/27/2019 17:21	WG1272804
2,2-Dichloropropane	U		0.0929	0.500	1	04/27/2019 17:21	WG1272804
Di-isopropyl ether	U		0.0924	0.500	1	04/27/2019 17:21	WG1272804
Ethylbenzene	U		0.158	0.500	1	04/27/2019 17:21	WG1272804
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/27/2019 17:21	WG1272804
2-Hexanone	U		0.757	5.00	1	04/27/2019 17:21	WG1272804
n-Hexane	U		0.305	5.00	1	04/27/2019 17:21	WG1272804
Iodomethane	U		0.377	10.0	1	04/27/2019 17:21	WG1272804
Isopropylbenzene	U		0.126	0.500	1	04/27/2019 17:21	WG1272804
p-Isopropyltoluene	U		0.138	0.500	1	04/27/2019 17:21	WG1272804
2-Butanone (MEK)	U		1.28	5.00	1	04/27/2019 17:21	WG1272804
Methylene Chloride	U		1.07	2.50	1	04/27/2019 17:21	WG1272804
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/27/2019 17:21	WG1272804
Methyl tert-butyl ether	U		0.102	0.500	1	04/27/2019 17:21	WG1272804
Naphthalene	U		0.174	2.50	1	04/27/2019 17:21	WG1272804
n-Propylbenzene	U		0.162	0.500	1	04/27/2019 17:21	WG1272804
Styrene	U		0.117	0.500	1	04/27/2019 17:21	WG1272804
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/27/2019 17:21	WG1272804
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/27/2019 17:21	WG1272804
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/27/2019 17:21	WG1272804
Tetrachloroethene	U		0.199	0.500	1	05/03/2019 15:19	WG1275623
Toluene	U		0.412	0.500	1	04/27/2019 17:21	WG1272804
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/27/2019 17:21	WG1272804
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/27/2019 17:21	WG1272804
1,1,1-Trichloroethane	U		0.0940	0.500	1	05/03/2019 15:19	WG1275623
1,1,2-Trichloroethane	U		0.186	0.500	1	04/27/2019 17:21	WG1272804
Trichloroethene	U		0.153	0.500	1	04/27/2019 17:21	WG1272804
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/27/2019 17:21	WG1272804
1,2,3-Trichloropropane	U		0.247	2.50	1	04/27/2019 17:21	WG1272804
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/27/2019 17:21	WG1272804
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/27/2019 17:21	WG1272804
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/27/2019 17:21	WG1272804

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	04/27/2019 17:21	WG1272804
Vinyl chloride	0.277	J J0	0.118	0.500	1	04/27/2019 17:21	WG1272804
Xylenes, Total	U		0.316	1.50	1	04/27/2019 17:21	WG1272804
(S) Toluene-d8	*97.2*			*80.0-120*		*04/27/2019 17:21*	WG1272804
(S) Toluene-d8	*98.2*			*80.0-120*		*05/03/2019 15:19*	WG1275623
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*04/27/2019 17:21*	WG1272804
(S) 4-Bromofluorobenzene	*99.8*			*77.0-126*		*05/03/2019 15:19*	WG1275623
(S) 1,2-Dichloroethane-d4	*96.1*			*70.0-130*		*04/27/2019 17:21*	WG1272804
(S) 1,2-Dichloroethane-d4	*99.3*			*70.0-130*		*05/03/2019 15:19*	WG1275623

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	05/01/2019 16:40	WG1274492
(S) a,a,a-Trifluorotoluene(FID)	*93.8*			*78.0-120*		*05/01/2019 16:40*	WG1274492

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	04/27/2019 17:41	WG1272804
Acrylonitrile	U		0.873	5.00	1	04/27/2019 17:41	WG1272804
Benzene	0.179	J	0.0896	0.500	1	04/27/2019 17:41	WG1272804
Bromobenzene	U		0.133	0.500	1	04/27/2019 17:41	WG1272804
Bromodichloromethane	U		0.0800	0.500	1	04/27/2019 17:41	WG1272804
Bromochloromethane	U		0.145	0.500	1	04/27/2019 17:41	WG1272804
Bromoform	U		0.186	0.500	1	04/27/2019 17:41	WG1272804
Bromomethane	U	J0	0.157	2.50	1	04/27/2019 17:41	WG1272804
n-Butylbenzene	U		0.143	0.500	1	04/27/2019 17:41	WG1272804
sec-Butylbenzene	U		0.134	0.500	1	04/27/2019 17:41	WG1272804
tert-Butylbenzene	U		0.183	0.500	1	04/27/2019 17:41	WG1272804
Carbon disulfide	U		0.101	0.500	1	04/27/2019 17:41	WG1272804
Carbon tetrachloride	U		0.159	0.500	1	04/27/2019 17:41	WG1272804
Chlorobenzene	U		0.140	0.500	1	04/27/2019 17:41	WG1272804
Chlorodibromomethane	U		0.128	0.500	1	04/27/2019 17:41	WG1272804
Chloroethane	U	J0	0.141	2.50	1	05/03/2019 15:39	WG1275623
Chloroform	U		0.0860	0.500	1	04/27/2019 17:41	WG1272804
Chloromethane	U		0.153	1.25	1	04/27/2019 17:41	WG1272804
2-Chlorotoluene	U		0.111	0.500	1	04/27/2019 17:41	WG1272804
4-Chlorotoluene	U		0.0972	0.500	1	04/27/2019 17:41	WG1272804
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/27/2019 17:41	WG1272804
1,2-Dibromoethane	U		0.193	0.500	1	04/27/2019 17:41	WG1272804
Dibromomethane	U		0.117	0.500	1	04/27/2019 17:41	WG1272804
1,2-Dichlorobenzene	U		0.101	0.500	1	04/27/2019 17:41	WG1272804
1,3-Dichlorobenzene	U		0.130	0.500	1	04/27/2019 17:41	WG1272804
1,4-Dichlorobenzene	U		0.121	0.500	1	04/27/2019 17:41	WG1272804
Dichlorodifluoromethane	U		0.127	2.50	1	04/27/2019 17:41	WG1272804
1,1-Dichloroethane	U		0.114	0.500	1	05/03/2019 15:39	WG1275623
1,2-Dichloroethane	U		0.108	0.500	1	04/27/2019 17:41	WG1272804
1,1-Dichloroethene	U		0.188	0.500	1	04/27/2019 17:41	WG1272804
cis-1,2-Dichloroethene	1.23		0.0933	0.500	1	05/03/2019 15:39	WG1275623
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/27/2019 17:41	WG1272804
1,2-Dichloropropane	U		0.190	0.500	1	04/27/2019 17:41	WG1272804
1,1-Dichloropropene	U		0.128	0.500	1	04/27/2019 17:41	WG1272804
1,3-Dichloropropane	U		0.147	1.00	1	04/27/2019 17:41	WG1272804
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/27/2019 17:41	WG1272804
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/27/2019 17:41	WG1272804
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/27/2019 17:41	WG1272804
2,2-Dichloropropane	U		0.0929	0.500	1	04/27/2019 17:41	WG1272804
Di-isopropyl ether	U		0.0924	0.500	1	04/27/2019 17:41	WG1272804
Ethylbenzene	U		0.158	0.500	1	04/27/2019 17:41	WG1272804
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/27/2019 17:41	WG1272804
2-Hexanone	U		0.757	5.00	1	04/27/2019 17:41	WG1272804
n-Hexane	U		0.305	5.00	1	04/27/2019 17:41	WG1272804
Iodomethane	U		0.377	10.0	1	04/27/2019 17:41	WG1272804
Isopropylbenzene	U		0.126	0.500	1	04/27/2019 17:41	WG1272804
p-Isopropyltoluene	U		0.138	0.500	1	04/27/2019 17:41	WG1272804
2-Butanone (MEK)	U		1.28	5.00	1	04/27/2019 17:41	WG1272804

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	04/27/2019 17:41	WG1272804
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/27/2019 17:41	WG1272804
Methyl tert-butyl ether	U		0.102	0.500	1	04/27/2019 17:41	WG1272804
Naphthalene	U		0.174	2.50	1	04/27/2019 17:41	WG1272804
n-Propylbenzene	U		0.162	0.500	1	04/27/2019 17:41	WG1272804
Styrene	U		0.117	0.500	1	04/27/2019 17:41	WG1272804
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/27/2019 17:41	WG1272804
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/27/2019 17:41	WG1272804
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/27/2019 17:41	WG1272804
Tetrachloroethene	U		0.199	0.500	1	04/27/2019 17:41	WG1272804
Toluene	U		0.412	0.500	1	04/27/2019 17:41	WG1272804
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/27/2019 17:41	WG1272804
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/27/2019 17:41	WG1272804
1,1,1-Trichloroethane	U		0.0940	0.500	1	05/03/2019 15:39	WG1275623
1,1,2-Trichloroethane	U		0.186	0.500	1	04/27/2019 17:41	WG1272804
Trichloroethene	U		0.153	0.500	1	04/27/2019 17:41	WG1272804
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/27/2019 17:41	WG1272804
1,2,3-Trichloropropane	U		0.247	2.50	1	04/27/2019 17:41	WG1272804
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/27/2019 17:41	WG1272804
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/27/2019 17:41	WG1272804
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/27/2019 17:41	WG1272804
Vinyl acetate	U		0.645	5.00	1	04/27/2019 17:41	WG1272804
Vinyl chloride	1.03	J0	0.118	0.500	1	04/27/2019 17:41	WG1272804
Xylenes, Total	U		0.316	1.50	1	04/27/2019 17:41	WG1272804
(S) Toluene-d8	*99.9*			*80.0-120*		*04/27/2019 17:41*	WG1272804
(S) Toluene-d8	*102*			*80.0-120*		*05/03/2019 15:39*	WG1275623
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*04/27/2019 17:41*	WG1272804
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*05/03/2019 15:39*	WG1275623
(S) 1,2-Dichloroethane-d4	*96.5*			*70.0-130*		*04/27/2019 17:41*	WG1272804
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*05/03/2019 15:39*	WG1275623

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	121		31.6	100	1	05/01/2019 17:01	WG1274492
(S) a,a,a-Trifluorotoluene(FID)	*94.3*			*78.0-120*		*05/01/2019 17:01*	WG1274492

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	04/27/2019 18:01	WG1272804
Acrylonitrile	U		0.873	5.00	1	04/27/2019 18:01	WG1272804
Benzene	U		0.0896	0.500	1	04/27/2019 18:01	WG1272804
Bromobenzene	U		0.133	0.500	1	04/27/2019 18:01	WG1272804
Bromodichloromethane	U		0.0800	0.500	1	04/27/2019 18:01	WG1272804
Bromochloromethane	U		0.145	0.500	1	04/27/2019 18:01	WG1272804
Bromoform	U		0.186	0.500	1	04/27/2019 18:01	WG1272804
Bromomethane	U	J0	0.157	2.50	1	04/27/2019 18:01	WG1272804
n-Butylbenzene	U		0.143	0.500	1	04/27/2019 18:01	WG1272804
sec-Butylbenzene	U		0.134	0.500	1	04/27/2019 18:01	WG1272804
tert-Butylbenzene	U		0.183	0.500	1	04/27/2019 18:01	WG1272804
Carbon disulfide	U		0.101	0.500	1	04/27/2019 18:01	WG1272804
Carbon tetrachloride	U		0.159	0.500	1	04/27/2019 18:01	WG1272804
Chlorobenzene	U		0.140	0.500	1	04/27/2019 18:01	WG1272804
Chlorodibromomethane	U		0.128	0.500	1	04/27/2019 18:01	WG1272804
Chloroethane	U	J0	0.141	2.50	1	05/03/2019 16:00	WG1275623
Chloroform	U		0.0860	0.500	1	04/27/2019 18:01	WG1272804
Chloromethane	U		0.153	1.25	1	04/27/2019 18:01	WG1272804
2-Chlorotoluene	U		0.111	0.500	1	04/27/2019 18:01	WG1272804
4-Chlorotoluene	U		0.0972	0.500	1	04/27/2019 18:01	WG1272804
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/27/2019 18:01	WG1272804
1,2-Dibromoethane	U		0.193	0.500	1	04/27/2019 18:01	WG1272804
Dibromomethane	U		0.117	0.500	1	04/27/2019 18:01	WG1272804
1,2-Dichlorobenzene	U		0.101	0.500	1	04/27/2019 18:01	WG1272804
1,3-Dichlorobenzene	U		0.130	0.500	1	04/27/2019 18:01	WG1272804
1,4-Dichlorobenzene	U		0.121	0.500	1	04/27/2019 18:01	WG1272804
Dichlorodifluoromethane	U		0.127	2.50	1	04/27/2019 18:01	WG1272804
1,1-Dichloroethane	1.57		0.114	0.500	1	05/03/2019 16:00	WG1275623
1,2-Dichloroethane	0.229	J	0.108	0.500	1	04/27/2019 18:01	WG1272804
1,1-Dichloroethene	0.893		0.188	0.500	1	04/27/2019 18:01	WG1272804
cis-1,2-Dichloroethene	75.1		0.0933	0.500	1	04/27/2019 18:01	WG1272804
trans-1,2-Dichloroethene	0.261	J	0.152	0.500	1	04/27/2019 18:01	WG1272804
1,2-Dichloropropane	0.878		0.190	0.500	1	04/27/2019 18:01	WG1272804
1,1-Dichloropropene	U		0.128	0.500	1	04/27/2019 18:01	WG1272804
1,3-Dichloropropane	U		0.147	1.00	1	04/27/2019 18:01	WG1272804
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/27/2019 18:01	WG1272804
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/27/2019 18:01	WG1272804
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/27/2019 18:01	WG1272804
2,2-Dichloropropane	U		0.0929	0.500	1	04/27/2019 18:01	WG1272804
Di-isopropyl ether	U		0.0924	0.500	1	04/27/2019 18:01	WG1272804
Ethylbenzene	U		0.158	0.500	1	04/27/2019 18:01	WG1272804
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/27/2019 18:01	WG1272804
2-Hexanone	U		0.757	5.00	1	04/27/2019 18:01	WG1272804
n-Hexane	U		0.305	5.00	1	04/27/2019 18:01	WG1272804
Iodomethane	U		0.377	10.0	1	04/27/2019 18:01	WG1272804
Isopropylbenzene	U		0.126	0.500	1	04/27/2019 18:01	WG1272804
p-Isopropyltoluene	U		0.138	0.500	1	04/27/2019 18:01	WG1272804
2-Butanone (MEK)	U		1.28	5.00	1	04/27/2019 18:01	WG1272804

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	04/27/2019 18:01	WG1272804
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/27/2019 18:01	WG1272804
Methyl tert-butyl ether	U		0.102	0.500	1	04/27/2019 18:01	WG1272804
Naphthalene	U		0.174	2.50	1	04/27/2019 18:01	WG1272804
n-Propylbenzene	U		0.162	0.500	1	04/27/2019 18:01	WG1272804
Styrene	U		0.117	0.500	1	04/27/2019 18:01	WG1272804
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/27/2019 18:01	WG1272804
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/27/2019 18:01	WG1272804
1,1,2-Trichlorotrifluoroethane	0.465	J	0.164	0.500	1	04/27/2019 18:01	WG1272804
Tetrachloroethene	157		0.199	0.500	1	04/27/2019 18:01	WG1272804
Toluene	U		0.412	0.500	1	04/27/2019 18:01	WG1272804
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/27/2019 18:01	WG1272804
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/27/2019 18:01	WG1272804
1,1,1-Trichloroethane	0.298	J	0.0940	0.500	1	05/03/2019 16:00	WG1275623
1,1,2-Trichloroethane	U		0.186	0.500	1	04/27/2019 18:01	WG1272804
Trichloroethene	45.2		0.153	0.500	1	04/27/2019 18:01	WG1272804
Trichlorofluoromethane	U	J0	0.130	2.50	1	04/27/2019 18:01	WG1272804
1,2,3-Trichloropropane	U		0.247	2.50	1	04/27/2019 18:01	WG1272804
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/27/2019 18:01	WG1272804
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/27/2019 18:01	WG1272804
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/27/2019 18:01	WG1272804
Vinyl acetate	U		0.645	5.00	1	04/27/2019 18:01	WG1272804
Vinyl chloride	0.861	J0	0.118	0.500	1	04/27/2019 18:01	WG1272804
Xylenes, Total	U		0.316	1.50	1	04/27/2019 18:01	WG1272804
(S) Toluene-d8	*98.3*			*80.0-120*		*04/27/2019 18:01*	WG1272804
(S) Toluene-d8	*98.2*			*80.0-120*		*05/03/2019 16:00*	WG1275623
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*04/27/2019 18:01*	WG1272804
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*05/03/2019 16:00*	WG1275623
(S) 1,2-Dichloroethane-d4	*93.7*			*70.0-130*		*04/27/2019 18:01*	WG1272804
(S) 1,2-Dichloroethane-d4	*94.9*			*70.0-130*		*05/03/2019 16:00*	WG1275623

Method Blank (MB)

(MB) R3408496-1 05/04/19 20:03

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Alkalinity	3110	J	2710	20000

Sample Narrative:

BLANK: Endpoint pH 4.5

L1093241-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1093241-01 05/04/19 20:10 • (DUP) R3408496-2 05/04/19 20:17

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	167000	167000	1	0.0717		20

Sample Narrative:

OS: Endpoint pH 4.5 headspace

DUP: Endpoint pH 4.5

L1093601-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1093601-01 05/04/19 22:54 • (DUP) R3408496-4 05/04/19 23:01

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	274000	267000	1	2.59		20

Sample Narrative:

OS: Endpoint pH 4.5 headspace

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3408496-3 05/04/19 21:17

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) R3406167-1 04/27/19 09:15

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Chloride	U		51.9	1000
Nitrate	U		22.7	100
Sulfate	U		77.4	5000

L1093227-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1093227-01 04/27/19 11:05 • (DUP) R3406167-3 04/27/19 11:19

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Chloride	19900	19900	1	0.288		15
Nitrate	996	1000	1	0.351		15
Sulfate	16500	16500	1	0.152		15

L1091939-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1091939-06 04/27/19 16:12 • (DUP) R3406167-6 04/27/19 16:27

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Chloride	5350	5330	1	0.491		15
Nitrate	80.2	80.4	1	0.249	J	15
Sulfate	14200	14200	1	0.0457		15

Laboratory Control Sample (LCS)

(LCS) R3406167-2 04/27/19 09:30

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Chloride	40000	40200	100	80.0-120	
Nitrate	8000	8250	103	80.0-120	
Sulfate	40000	40900	102	80.0-120	

L1093227-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1093227-01 04/27/19 11:05 • (MS) R3406167-4 04/27/19 11:34 • (MSD) R3406167-5 04/27/19 11:49

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	19900	69200	69400	98.7	99.1	1	80.0-120			0.273	15
Nitrate	5000	996	5960	5990	99.3	99.8	1	80.0-120			0.387	15
Sulfate	50000	16500	66400	66500	99.7	100	1	80.0-120			0.258	15

L1091939-06 Original Sample (OS) • Matrix Spike (MS)

(OS) L1091939-06 04/27/19 16:12 • (MS) R3406167-7 04/27/19 16:42

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	5350	55300	99.9	1	80.0-120	
Nitrate	5000	80.2	5020	98.7	1	80.0-120	
Sulfate	50000	14200	64300	100	1	80.0-120	

Method Blank (MB)

(MB) R3406585-1 04/29/19 11:52

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	284	J	102	1000

L1092770-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1092770-01 04/29/19 13:19 • (DUP) R3406585-3 04/29/19 13:32

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	8240	8150	1	1.15		20

L1093209-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1093209-03 04/29/19 18:04 • (DUP) R3406585-6 04/29/19 18:17

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	4670	4640	1	0.623		20

Laboratory Control Sample (LCS)

(LCS) R3406585-2 04/29/19 12:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75000	77000	103	85.0-115	

L1092865-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1092865-02 04/29/19 16:29 • (MS) R3406585-4 04/29/19 16:45 • (MSD) R3406585-5 04/29/19 17:00

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	2150	50400	50000	96.5	95.7	1	80.0-120			0.836	20

L1093242-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1093242-06 04/29/19 20:23 • (MS) R3406585-7 04/29/19 20:39 • (MSD) R3406585-8 04/29/19 20:55

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	5190	51100	51100	91.8	91.9	1	80.0-120			0.137	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) R3407469-3 05/01/19 12:30

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)	*93.6*			*78.0-120*

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

(LCS) R3407469-1 05/01/19 11:25 • (LCSD) R3407469-2 05/01/19 11:46

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 %
Gasoline Range Organics-NWTPH	5500	5370	5440	97.6	98.9	70.0-124			1.33	20
(S) a,a,a-Trifluorotoluene(FID)				*104*	*105*	*78.0-120*				

L1092880-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1092880-01 05/01/19 14:16 • (MS) R3407469-4 05/01/19 19:05 • (MSD) R3407469-5 05/01/19 19:25

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	6290	5510	114	100	1	10.0-155			13.2	21
(S) a,a,a-Trifluorotoluene(FID)					*109*	*107*		*78.0-120*				

Method Blank (MB)

(MB) R3408007-1 05/03/19 14:19

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

L1092924-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1092924-01 05/03/19 14:23 • (DUP) R3408007-2 05/03/19 15:18

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	U	0.000	1	0.000		20
Ethane	U	0.000	1	0.000		20
Ethene	U	0.000	1	0.000		20

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

(LCS) R3408007-3 05/03/19 15:40 • (LCSD) R3408007-4 05/03/19 15:45

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	74.4	70.2	110	104	85.0-115			5.87	20
Ethane	129	110	110	85.6	85.2	85.0-115			0.467	20
Ethene	127	110	109	86.3	85.9	85.0-115			0.532	20

Method Blank (MB)

(MB) R3407791-2 04/27/19 09:45

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) R3407791-2 04/27/19 09:45

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	0.368	J	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
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
Naphthalene	U		0.174	2.50
1,1,2,2-Tetrachloroethane	U		0.130	0.500
Tetrachloroethene	U		0.199	0.500
Vinyl acetate	U		0.645	5.00
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
Toluene	U		0.412	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	*99.8*			*80.0-120*
(S) 4-Bromofluorobenzene	*105*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*90.5*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3407791-1 04/27/19 09:05

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromochloromethane	25.0	23.5	93.9	76.0-122	
Acetone	125	137	110	19.0-160	
Acrylonitrile	125	151	121	55.0-149	
Bromobenzene	25.0	22.6	90.5	73.0-121	
Bromodichloromethane	25.0	21.8	87.2	75.0-120	
Bromoform	25.0	26.8	107	68.0-132	
Bromomethane	25.0	18.3	73.3	10.0-160	
trans-1,4-Dichloro-2-butene	25.0	21.1	84.3	33.0-144	
n-Butylbenzene	25.0	21.1	84.4	73.0-125	
sec-Butylbenzene	25.0	22.7	90.8	75.0-125	
tert-Butylbenzene	25.0	23.5	94.0	76.0-124	
Carbon disulfide	25.0	27.0	108	61.0-128	
2-Hexanone	125	141	113	67.0-149	
Carbon tetrachloride	25.0	23.2	92.6	68.0-126	
Chlorobenzene	25.0	23.4	93.5	80.0-121	
n-Hexane	25.0	24.5	98.2	57.0-133	
Chlorodibromomethane	25.0	23.5	94.1	77.0-125	
Iodomethane	125	131	105	33.0-147	
Chloroethane	25.0	17.3	69.4	47.0-150	
Chloroform	25.0	21.7	86.8	73.0-120	
Chloromethane	25.0	25.5	102	41.0-142	
2-Chlorotoluene	25.0	22.3	89.1	76.0-123	
Benzene	25.0	25.4	102	70.0-123	
4-Chlorotoluene	25.0	22.5	89.8	75.0-122	
1,2-Dibromo-3-Chloropropane	25.0	27.0	108	58.0-134	
1,2-Dibromoethane	25.0	23.1	92.4	80.0-122	
Dibromomethane	25.0	22.2	88.7	80.0-120	
1,2-Dichlorobenzene	25.0	23.1	92.3	79.0-121	
1,3-Dichlorobenzene	25.0	22.7	90.6	79.0-120	
1,4-Dichlorobenzene	25.0	21.8	87.1	79.0-120	
Dichlorodifluoromethane	25.0	29.6	118	51.0-149	
1,1-Dichloroethane	25.0	23.7	94.8	70.0-126	
1,2-Dichloroethane	25.0	20.3	81.1	70.0-128	
1,1-Dichloroethene	25.0	24.2	96.8	71.0-124	
cis-1,2-Dichloroethene	25.0	23.7	94.8	73.0-120	
trans-1,2-Dichloroethene	25.0	24.3	97.1	73.0-120	
1,2-Dichloropropane	25.0	25.4	102	77.0-125	
1,1-Dichloropropene	25.0	24.2	96.8	74.0-126	
1,3-Dichloropropane	25.0	24.0	96.1	80.0-120	
cis-1,3-Dichloropropene	25.0	23.0	92.2	80.0-123	

Laboratory Control Sample (LCS)

(LCS) R3407791-1 04/27/19 09:05

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Vinyl acetate	125	68.1	54.5	11.0-160	
trans-1,3-Dichloropropene	25.0	22.0	88.2	78.0-124	
2,2-Dichloropropane	25.0	27.2	109	58.0-130	
Di-isopropyl ether	25.0	26.5	106	58.0-138	
Hexachloro-1,3-butadiene	25.0	28.0	112	54.0-138	
Isopropylbenzene	25.0	25.0	100	76.0-127	
p-Isopropyltoluene	25.0	23.0	92.1	76.0-125	
2-Butanone (MEK)	125	155	124	44.0-160	
Methylene Chloride	25.0	24.1	96.2	67.0-120	
4-Methyl-2-pentanone (MIBK)	125	138	110	68.0-142	
Methyl tert-butyl ether	25.0	23.6	94.2	68.0-125	
Ethylbenzene	25.0	24.0	96.0	79.0-123	
n-Propylbenzene	25.0	22.0	88.0	77.0-124	
Styrene	25.0	26.5	106	73.0-130	
1,1,1,2-Tetrachloroethane	25.0	23.9	95.8	75.0-125	
1,1,2,2-Tetrachloroethane	25.0	20.8	83.2	65.0-130	
Tetrachloroethene	25.0	24.9	99.8	72.0-132	
1,1,2-Trichlorotrifluoroethane	25.0	22.4	89.7	69.0-132	
1,2,3-Trichlorobenzene	25.0	24.8	99.0	50.0-138	
1,2,4-Trichlorobenzene	25.0	24.9	99.6	57.0-137	
1,1,1-Trichloroethane	25.0	23.5	94.0	73.0-124	
1,1,2-Trichloroethane	25.0	22.3	89.2	80.0-120	
Trichloroethene	25.0	26.2	105	78.0-124	
Trichlorofluoromethane	25.0	16.4	65.5	59.0-147	
1,2,3-Trichloropropane	25.0	20.3	81.3	73.0-130	
1,2,3-Trimethylbenzene	25.0	21.6	86.3	77.0-120	
1,2,4-Trimethylbenzene	25.0	22.2	88.7	76.0-121	
1,3,5-Trimethylbenzene	25.0	22.2	89.0	76.0-122	
Naphthalene	25.0	24.9	99.8	54.0-135	
Vinyl chloride	25.0	18.5	73.8	67.0-131	
Toluene	25.0	25.3	101	79.0-120	
Xylenes, Total	75.0	72.5	96.7	79.0-123	
(S) Toluene-d8			*100*	*80.0-120*	
(S) 4-Bromofluorobenzene			*109*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*91.0*	*70.0-130*	

Method Blank (MB)

(MB) R3407938-3 05/03/19 10:11

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Chloroethane	U		0.141	2.50
1,1-Dichloroethane	U		0.114	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
Tetrachloroethene	U		0.199	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
Trichloroethene	U		0.153	0.500
(S) Toluene-d8	*96.9*			*80.0-120*
(S) 4-Bromofluorobenzene	*109*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*95.5*			*70.0-130*

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

(LCS) R3407938-1 05/03/19 09:11 • (LCSD) R3407938-2 05/03/19 09:31

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chloroethane	25.0	15.9	14.4	63.6	57.6	47.0-150			9.85	20
1,1-Dichloroethane	25.0	25.7	24.0	103	96.0	70.0-126			6.87	20
cis-1,2-Dichloroethene	25.0	24.0	23.2	96.1	93.0	73.0-120			3.33	20
Tetrachloroethene	25.0	23.8	23.6	95.2	94.3	72.0-132			0.966	20
1,1,1-Trichloroethane	25.0	24.0	23.4	96.1	93.6	73.0-124			2.65	20
Trichloroethene	25.0	26.0	24.9	104	99.8	78.0-124			4.20	20
(S) Toluene-d8				*98.5*	*96.4*	*80.0-120*				
(S) 4-Bromofluorobenzene				*107*	*110*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*96.5*	*94.6*	*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.
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.
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

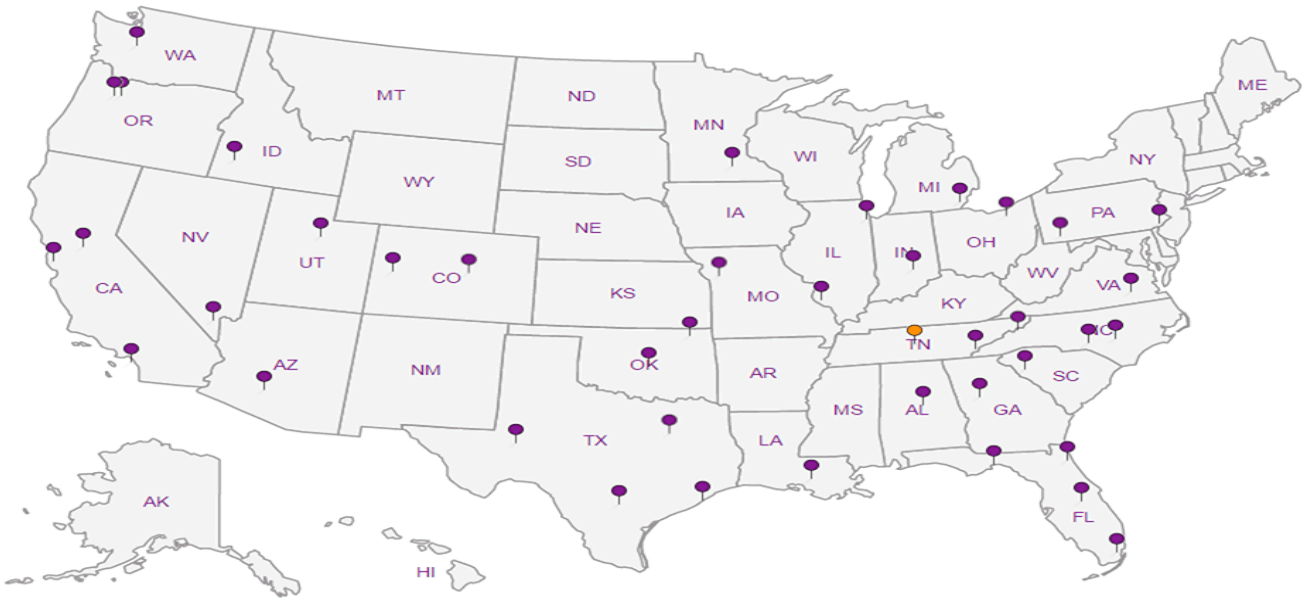
Third Party Federal Accreditations

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 4th Avenue STE 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 4th Ave STE 1350
Seattle, WA 98161

Report to: **Brian O'Neal/Bill Haldeman**

Email To: KVIK@PESENV.com, BHALDEMAN@PESENV.com BOneal@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): K. Eggas

Collected by (signature):

Immediately Packed on Ice N____ Y____

Site/Facility ID # **American Linen**

P.O. #

Quote #

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

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	VOC (8260)	GRO (NWTPH-Gx)	Remarks	Sample # (lab only)
MW106-042619	Grab	GW	135	4/26/19	0930	12	X	X	X	X	X	X	X		-01
MW145-042619	Grab	GW	75		1140	12	X	X	X	X	X	X	X		02
MW110-042619	Grab	GW	40		1330	3						X	X		03
Trip Blank-042619	Grab	GW	—		—	1						X	X		04
	Grab	GW													
	Grab	GW													
	Grab	GW													
	Grab	GW													
	Grab	GW													
	Grab	GW													

Pres Chk: 2 2

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# 1093242

Tab E153

Acctnum:
Template:
Prelogin:
TSR:
PB:
Shipped Via:

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

Remarks: Tier 2 lab QA/QC

pH _____ Temp _____

Flow _____ Other _____

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

Tracking # 468664707395

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)
	04-26-19	1500	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			B Maxwell

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

Temp: A38F °C 3.8+.1=3.9

Bottles Received: 27

Date: 4/27/19 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

PES Environmental, Inc. -WA
1215 4th Avenue STE 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 4th Ave STE 1350
Seattle, WA 98161

Report to: **Brian O'Neal/Bill Haldeman**

Email To: KVIK@PESENV.com KSPRINGSTEAD@PESENV.com
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): K. Zygas

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: Standard TAT

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	VOC (8260)	GRO (NWTPH-Gx)	Remarks	Sample # (lab only)
MW-910-042619	Grab	GW	25	4-26-19	0815	6						X	X		05
MW-148-042619	Grab	GW	75		0910	12	X	X	X	X	X	X	X		06
MW-159-042619	Grab	GW	25		1105	6						X	X		07
MW-9-042619	Grab	GW	15		1300	6						X	X		08
~~Trip Blank 042619~~ (KZ)	Grab	GW													
	Grab	GW													
	Grab	GW													
	Grab	GW													
	Grab	GW													
	Grab	GW													

Chain of Custody Page 2 of 2

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

L # 1093242
E152
T
Acctnum:
Template:
Prelogin:
TSR:
PB:
Shipped Via:

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

Remarks: Tier 2 lab QA/QC

pH _____ Temp _____
Flow _____ Other _____

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

Tracking # 408606470739 5

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)
	04-26-19	1500	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			B Maxwell

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: 4.3°C 3.8+.1=3.9 Bottles Received: 3057

Date: 4/27/19 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

May 14, 2019

PES Environmental, Inc.- WA

Sample Delivery Group:	L1094387
Samples Received:	05/02/2019
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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MW109-042919 L1094387-01 GW

Collected by: Ben Hecht | Collected date/time: 04/29/19 08:45 | Received date/time: 05/02/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1275813	1	05/03/19 18:20	05/03/19 18:20	DWR	Mt. Juliet, TN

MW108-042919 L1094387-02 GW

Collected by: Ben Hecht | Collected date/time: 04/29/19 09:50 | Received date/time: 05/02/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1275813	1	05/03/19 18:41	05/03/19 18:41	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1276343	20	05/05/19 18:24	05/05/19 18:24	JAH	Mt. Juliet, TN

MW126-042919 L1094387-03 GW

Collected by: Ben Hecht | Collected date/time: 04/29/19 10:45 | Received date/time: 05/02/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1275813	1	05/03/19 19:01	05/03/19 19:01	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1276343	1	05/05/19 18:04	05/05/19 18:04	JAH	Mt. Juliet, TN

MW119-042919 L1094387-04 GW

Collected by: Ben Hecht | Collected date/time: 04/29/19 12:20 | Received date/time: 05/02/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1275813	1	05/03/19 19:21	05/03/19 19:21	DWR	Mt. Juliet, TN

MW121-042919 L1094387-05 GW

Collected by: Ben Hecht | Collected date/time: 04/29/19 13:35 | Received date/time: 05/02/19 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 18:28	05/02/19 18:28	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1275813	1	05/03/19 19:41	05/03/19 19:41	DWR	Mt. Juliet, TN

MW-161-050119 L1094387-06 GW

Collected by: Ben Hecht | Collected date/time: 05/01/19 09:25 | Received date/time: 05/02/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1276578	1	05/07/19 19:50	05/07/19 19:50	MCG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1274986	1	05/02/19 11:27	05/02/19 11:27	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1275023	1	05/02/19 21:22	05/02/19 21:22	EEM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1275858	1	05/07/19 10:24	05/12/19 22:10	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1275218	1	05/02/19 18:52	05/02/19 18:52	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1277421	1	05/09/19 11:39	05/09/19 11:39	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1275813	1	05/03/19 20:01	05/03/19 20:01	DWR	Mt. Juliet, TN

MW107-050119 L1094387-07 GW

Collected by: Ben Hecht | Collected date/time: 05/01/19 11:10 | Received date/time: 05/02/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1276578	1	05/07/19 19:58	05/07/19 19:58	MCG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1274986	1	05/02/19 12:24	05/02/19 12:24	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1275023	1	05/02/19 21:58	05/02/19 21:58	EEM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1275858	1	05/07/19 10:24	05/12/19 22:15	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1275218	1	05/02/19 19:16	05/02/19 19:16	DWR	Mt. Juliet, TN

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

MW107-050119 L1094387-07 GW

Collected by: Ben Hecht | Collected date/time: 05/01/19 11:10 | Received date/time: 05/02/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method RSK175	WG1277421	1	05/09/19 11:43	05/09/19 11:43	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1278760	20	05/09/19 16:35	05/09/19 16:35	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1275813	1	05/03/19 20:21	05/03/19 20:21	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1276343	20	05/05/19 18:44	05/05/19 18:44	JAH	Mt. Juliet, TN

FMW-129-050119 L1094387-08 GW

Collected by: Ben Hecht | Collected date/time: 05/01/19 14:00 | Received date/time: 05/02/19 08:45

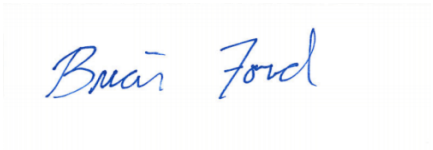
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1275813	1	05/03/19 20:42	05/03/19 20:42	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1276343	5	05/05/19 19:04	05/05/19 19:04	JAH	Mt. Juliet, TN

TRIP BLANK-050119 L1094387-09 GW

Collected by: Ben Hecht | Collected date/time: 05/01/19 00:00 | Received date/time: 05/02/19 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 17:41	05/02/19 17:41	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1275813	1	05/03/19 17:00	05/03/19 17:00	DWR	Mt. Juliet, TN

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



Brian Ford
Project Manager

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.78	J J4	1.05	25.0	1	05/03/2019 18:20	WG1275813
Acrylonitrile	U		0.873	5.00	1	05/03/2019 18:20	WG1275813
Benzene	U		0.0896	0.500	1	05/03/2019 18:20	WG1275813
Bromobenzene	U		0.133	0.500	1	05/03/2019 18:20	WG1275813
Bromodichloromethane	U		0.0800	0.500	1	05/03/2019 18:20	WG1275813
Bromochloromethane	U		0.145	0.500	1	05/03/2019 18:20	WG1275813
Bromoform	U		0.186	0.500	1	05/03/2019 18:20	WG1275813
Bromomethane	U		0.157	2.50	1	05/03/2019 18:20	WG1275813
n-Butylbenzene	U		0.143	0.500	1	05/03/2019 18:20	WG1275813
sec-Butylbenzene	U		0.134	0.500	1	05/03/2019 18:20	WG1275813
tert-Butylbenzene	U		0.183	0.500	1	05/03/2019 18:20	WG1275813
Carbon disulfide	U		0.101	0.500	1	05/03/2019 18:20	WG1275813
Carbon tetrachloride	U		0.159	0.500	1	05/03/2019 18:20	WG1275813
Chlorobenzene	U		0.140	0.500	1	05/03/2019 18:20	WG1275813
Chlorodibromomethane	U		0.128	0.500	1	05/03/2019 18:20	WG1275813
Chloroethane	U	J0	0.141	2.50	1	05/03/2019 18:20	WG1275813
Chloroform	U		0.0860	0.500	1	05/03/2019 18:20	WG1275813
Chloromethane	U	J0	0.153	1.25	1	05/03/2019 18:20	WG1275813
2-Chlorotoluene	U		0.111	0.500	1	05/03/2019 18:20	WG1275813
4-Chlorotoluene	U		0.0972	0.500	1	05/03/2019 18:20	WG1275813
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	05/03/2019 18:20	WG1275813
1,2-Dibromoethane	U		0.193	0.500	1	05/03/2019 18:20	WG1275813
Dibromomethane	U		0.117	0.500	1	05/03/2019 18:20	WG1275813
1,2-Dichlorobenzene	U		0.101	0.500	1	05/03/2019 18:20	WG1275813
1,3-Dichlorobenzene	U		0.130	0.500	1	05/03/2019 18:20	WG1275813
1,4-Dichlorobenzene	U		0.121	0.500	1	05/03/2019 18:20	WG1275813
Dichlorodifluoromethane	U		0.127	2.50	1	05/03/2019 18:20	WG1275813
1,1-Dichloroethane	U		0.114	0.500	1	05/03/2019 18:20	WG1275813
1,2-Dichloroethane	U		0.108	0.500	1	05/03/2019 18:20	WG1275813
1,1-Dichloroethene	U		0.188	0.500	1	05/03/2019 18:20	WG1275813
cis-1,2-Dichloroethene	4.78		0.0933	0.500	1	05/03/2019 18:20	WG1275813
trans-1,2-Dichloroethene	U		0.152	0.500	1	05/03/2019 18:20	WG1275813
1,2-Dichloropropane	U		0.190	0.500	1	05/03/2019 18:20	WG1275813
1,1-Dichloropropene	U		0.128	0.500	1	05/03/2019 18:20	WG1275813
1,3-Dichloropropane	U		0.147	1.00	1	05/03/2019 18:20	WG1275813
cis-1,3-Dichloropropene	U		0.0976	0.500	1	05/03/2019 18:20	WG1275813
trans-1,3-Dichloropropene	U		0.222	0.500	1	05/03/2019 18:20	WG1275813
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	05/03/2019 18:20	WG1275813
2,2-Dichloropropane	U		0.0929	0.500	1	05/03/2019 18:20	WG1275813
Di-isopropyl ether	U		0.0924	0.500	1	05/03/2019 18:20	WG1275813
Ethylbenzene	U		0.158	0.500	1	05/03/2019 18:20	WG1275813
Hexachloro-1,3-butadiene	U		0.157	1.00	1	05/03/2019 18:20	WG1275813
2-Hexanone	U		0.757	5.00	1	05/03/2019 18:20	WG1275813
n-Hexane	U		0.305	5.00	1	05/03/2019 18:20	WG1275813
Iodomethane	U		0.377	10.0	1	05/03/2019 18:20	WG1275813
Isopropylbenzene	U		0.126	0.500	1	05/03/2019 18:20	WG1275813
p-Isopropyltoluene	U		0.138	0.500	1	05/03/2019 18:20	WG1275813
2-Butanone (MEK)	U		1.28	5.00	1	05/03/2019 18:20	WG1275813
Methylene Chloride	U		1.07	2.50	1	05/03/2019 18:20	WG1275813
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	05/03/2019 18:20	WG1275813
Methyl tert-butyl ether	U		0.102	0.500	1	05/03/2019 18:20	WG1275813
Naphthalene	U	J0	0.174	2.50	1	05/03/2019 18:20	WG1275813
n-Propylbenzene	U		0.162	0.500	1	05/03/2019 18:20	WG1275813
Styrene	U		0.117	0.500	1	05/03/2019 18:20	WG1275813
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	05/03/2019 18:20	WG1275813
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	05/03/2019 18:20	WG1275813

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	05/03/2019 18:20	WG1275813
Tetrachloroethene	U		0.199	0.500	1	05/03/2019 18:20	WG1275813
Toluene	U		0.412	0.500	1	05/03/2019 18:20	WG1275813
1,2,3-Trichlorobenzene	U		0.164	0.500	1	05/03/2019 18:20	WG1275813
1,2,4-Trichlorobenzene	U		0.355	0.500	1	05/03/2019 18:20	WG1275813
1,1,1-Trichloroethane	U		0.0940	0.500	1	05/03/2019 18:20	WG1275813
1,1,2-Trichloroethane	U		0.186	0.500	1	05/03/2019 18:20	WG1275813
Trichloroethene	U		0.153	0.500	1	05/03/2019 18:20	WG1275813
Trichlorofluoromethane	U	J0	0.130	2.50	1	05/03/2019 18:20	WG1275813
1,2,3-Trichloropropane	U		0.247	2.50	1	05/03/2019 18:20	WG1275813
1,2,4-Trimethylbenzene	U		0.123	0.500	1	05/03/2019 18:20	WG1275813
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	05/03/2019 18:20	WG1275813
1,3,5-Trimethylbenzene	U		0.124	0.500	1	05/03/2019 18:20	WG1275813
Vinyl acetate	U	J0	0.645	5.00	1	05/03/2019 18:20	WG1275813
Vinyl chloride	3.06	J0 J4	0.118	0.500	1	05/03/2019 18:20	WG1275813
Xylenes, Total	U		0.316	1.50	1	05/03/2019 18:20	WG1275813
(S) Toluene-d8	*98.4*			*80.0-120*		*05/03/2019 18:20*	WG1275813
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*05/03/2019 18:20*	WG1275813
(S) 1,2-Dichloroethane-d4	*95.8*			*70.0-130*		*05/03/2019 18:20*	WG1275813

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	3.41	J J4	1.05	25.0	1	05/03/2019 18:41	WG1275813
Acrylonitrile	U		0.873	5.00	1	05/03/2019 18:41	WG1275813
Benzene	3.20		0.0896	0.500	1	05/03/2019 18:41	WG1275813
Bromobenzene	U		0.133	0.500	1	05/03/2019 18:41	WG1275813
Bromodichloromethane	U		0.0800	0.500	1	05/03/2019 18:41	WG1275813
Bromochloromethane	U		0.145	0.500	1	05/03/2019 18:41	WG1275813
Bromoform	U		0.186	0.500	1	05/03/2019 18:41	WG1275813
Bromomethane	U		0.157	2.50	1	05/03/2019 18:41	WG1275813
n-Butylbenzene	U		0.143	0.500	1	05/03/2019 18:41	WG1275813
sec-Butylbenzene	U		0.134	0.500	1	05/03/2019 18:41	WG1275813
tert-Butylbenzene	U		0.183	0.500	1	05/03/2019 18:41	WG1275813
Carbon disulfide	U		0.101	0.500	1	05/03/2019 18:41	WG1275813
Carbon tetrachloride	U		0.159	0.500	1	05/03/2019 18:41	WG1275813
Chlorobenzene	U		0.140	0.500	1	05/03/2019 18:41	WG1275813
Chlorodibromomethane	U		0.128	0.500	1	05/03/2019 18:41	WG1275813
Chloroethane	U	J0	0.141	2.50	1	05/03/2019 18:41	WG1275813
Chloroform	U		0.0860	0.500	1	05/03/2019 18:41	WG1275813
Chloromethane	U	J0	0.153	1.25	1	05/03/2019 18:41	WG1275813
2-Chlorotoluene	U		0.111	0.500	1	05/03/2019 18:41	WG1275813
4-Chlorotoluene	U		0.0972	0.500	1	05/03/2019 18:41	WG1275813
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	05/03/2019 18:41	WG1275813
1,2-Dibromoethane	U		0.193	0.500	1	05/03/2019 18:41	WG1275813
Dibromomethane	U		0.117	0.500	1	05/03/2019 18:41	WG1275813
1,2-Dichlorobenzene	U		0.101	0.500	1	05/03/2019 18:41	WG1275813
1,3-Dichlorobenzene	U		0.130	0.500	1	05/03/2019 18:41	WG1275813
1,4-Dichlorobenzene	U		0.121	0.500	1	05/03/2019 18:41	WG1275813
Dichlorodifluoromethane	U		0.127	2.50	1	05/03/2019 18:41	WG1275813
1,1-Dichloroethane	U		0.114	0.500	1	05/03/2019 18:41	WG1275813
1,2-Dichloroethane	U		0.108	0.500	1	05/03/2019 18:41	WG1275813
1,1-Dichloroethene	3.57		0.188	0.500	1	05/03/2019 18:41	WG1275813
cis-1,2-Dichloroethene	970		1.87	10.0	20	05/05/2019 18:24	WG1276343
trans-1,2-Dichloroethene	3.22		0.152	0.500	1	05/03/2019 18:41	WG1275813
1,2-Dichloropropane	U		0.190	0.500	1	05/03/2019 18:41	WG1275813
1,1-Dichloropropene	U		0.128	0.500	1	05/03/2019 18:41	WG1275813
1,3-Dichloropropane	U		0.147	1.00	1	05/03/2019 18:41	WG1275813
cis-1,3-Dichloropropene	U		0.0976	0.500	1	05/03/2019 18:41	WG1275813
trans-1,3-Dichloropropene	U		0.222	0.500	1	05/03/2019 18:41	WG1275813
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	05/03/2019 18:41	WG1275813
2,2-Dichloropropane	U		0.0929	0.500	1	05/03/2019 18:41	WG1275813
Di-isopropyl ether	U		0.0924	0.500	1	05/03/2019 18:41	WG1275813
Ethylbenzene	U		0.158	0.500	1	05/03/2019 18:41	WG1275813
Hexachloro-1,3-butadiene	U		0.157	1.00	1	05/03/2019 18:41	WG1275813
2-Hexanone	U		0.757	5.00	1	05/03/2019 18:41	WG1275813
n-Hexane	U		0.305	5.00	1	05/03/2019 18:41	WG1275813
Iodomethane	U		0.377	10.0	1	05/03/2019 18:41	WG1275813
Isopropylbenzene	U		0.126	0.500	1	05/03/2019 18:41	WG1275813
p-Isopropyltoluene	U		0.138	0.500	1	05/03/2019 18:41	WG1275813
2-Butanone (MEK)	U		1.28	5.00	1	05/03/2019 18:41	WG1275813
Methylene Chloride	U		1.07	2.50	1	05/03/2019 18:41	WG1275813
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	05/03/2019 18:41	WG1275813
Methyl tert-butyl ether	U		0.102	0.500	1	05/03/2019 18:41	WG1275813
Naphthalene	U	J0	0.174	2.50	1	05/03/2019 18:41	WG1275813
n-Propylbenzene	U		0.162	0.500	1	05/03/2019 18:41	WG1275813
Styrene	U		0.117	0.500	1	05/03/2019 18:41	WG1275813
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	05/03/2019 18:41	WG1275813
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	05/03/2019 18:41	WG1275813

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	05/03/2019 18:41	WG1275813
Tetrachloroethene	419		3.98	10.0	20	05/05/2019 18:24	WG1276343
Toluene	U		0.412	0.500	1	05/03/2019 18:41	WG1275813
1,2,3-Trichlorobenzene	U		0.164	0.500	1	05/03/2019 18:41	WG1275813
1,2,4-Trichlorobenzene	U		0.355	0.500	1	05/03/2019 18:41	WG1275813
1,1,1-Trichloroethane	U		0.0940	0.500	1	05/03/2019 18:41	WG1275813
1,1,2-Trichloroethane	U		0.186	0.500	1	05/03/2019 18:41	WG1275813
Trichloroethene	171		0.153	0.500	1	05/03/2019 18:41	WG1275813
Trichlorofluoromethane	U	J0	0.130	2.50	1	05/03/2019 18:41	WG1275813
1,2,3-Trichloropropane	U		0.247	2.50	1	05/03/2019 18:41	WG1275813
1,2,4-Trimethylbenzene	U		0.123	0.500	1	05/03/2019 18:41	WG1275813
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	05/03/2019 18:41	WG1275813
1,3,5-Trimethylbenzene	U		0.124	0.500	1	05/03/2019 18:41	WG1275813
Vinyl acetate	U	J0	0.645	5.00	1	05/03/2019 18:41	WG1275813
Vinyl chloride	125	J0 J4	0.118	0.500	1	05/03/2019 18:41	WG1275813
Xylenes, Total	U		0.316	1.50	1	05/03/2019 18:41	WG1275813
(S) Toluene-d8	*99.2*			*80.0-120*		*05/03/2019 18:41*	WG1275813
(S) Toluene-d8	*96.9*			*80.0-120*		*05/05/2019 18:24*	WG1276343
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*05/03/2019 18:41*	WG1275813
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*05/05/2019 18:24*	WG1276343
(S) 1,2-Dichloroethane-d4	*95.3*			*70.0-130*		*05/03/2019 18:41*	WG1275813
(S) 1,2-Dichloroethane-d4	*94.4*			*70.0-130*		*05/05/2019 18:24*	WG1276343

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	2.18	J J4	1.05	25.0	1	05/03/2019 19:01	WG1275813
Acrylonitrile	U		0.873	5.00	1	05/03/2019 19:01	WG1275813
Benzene	U		0.0896	0.500	1	05/03/2019 19:01	WG1275813
Bromobenzene	U		0.133	0.500	1	05/03/2019 19:01	WG1275813
Bromodichloromethane	U		0.0800	0.500	1	05/03/2019 19:01	WG1275813
Bromochloromethane	U		0.145	0.500	1	05/03/2019 19:01	WG1275813
Bromoform	U		0.186	0.500	1	05/03/2019 19:01	WG1275813
Bromomethane	U		0.157	2.50	1	05/03/2019 19:01	WG1275813
n-Butylbenzene	U		0.143	0.500	1	05/03/2019 19:01	WG1275813
sec-Butylbenzene	U		0.134	0.500	1	05/03/2019 19:01	WG1275813
tert-Butylbenzene	U		0.183	0.500	1	05/03/2019 19:01	WG1275813
Carbon disulfide	U		0.101	0.500	1	05/03/2019 19:01	WG1275813
Carbon tetrachloride	U		0.159	0.500	1	05/03/2019 19:01	WG1275813
Chlorobenzene	U		0.140	0.500	1	05/03/2019 19:01	WG1275813
Chlorodibromomethane	U		0.128	0.500	1	05/03/2019 19:01	WG1275813
Chloroethane	U	J0	0.141	2.50	1	05/03/2019 19:01	WG1275813
Chloroform	U		0.0860	0.500	1	05/03/2019 19:01	WG1275813
Chloromethane	U	J0	0.153	1.25	1	05/03/2019 19:01	WG1275813
2-Chlorotoluene	U		0.111	0.500	1	05/03/2019 19:01	WG1275813
4-Chlorotoluene	U		0.0972	0.500	1	05/03/2019 19:01	WG1275813
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	05/03/2019 19:01	WG1275813
1,2-Dibromoethane	U		0.193	0.500	1	05/03/2019 19:01	WG1275813
Dibromomethane	U		0.117	0.500	1	05/03/2019 19:01	WG1275813
1,2-Dichlorobenzene	U		0.101	0.500	1	05/03/2019 19:01	WG1275813
1,3-Dichlorobenzene	U		0.130	0.500	1	05/03/2019 19:01	WG1275813
1,4-Dichlorobenzene	U		0.121	0.500	1	05/03/2019 19:01	WG1275813
Dichlorodifluoromethane	U		0.127	2.50	1	05/03/2019 19:01	WG1275813
1,1-Dichloroethane	U		0.114	0.500	1	05/03/2019 19:01	WG1275813
1,2-Dichloroethane	U		0.108	0.500	1	05/03/2019 19:01	WG1275813
1,1-Dichloroethene	U		0.188	0.500	1	05/03/2019 19:01	WG1275813
cis-1,2-Dichloroethene	U		0.0933	0.500	1	05/05/2019 18:04	WG1276343
trans-1,2-Dichloroethene	U		0.152	0.500	1	05/03/2019 19:01	WG1275813
1,2-Dichloropropane	U		0.190	0.500	1	05/03/2019 19:01	WG1275813
1,1-Dichloropropene	U		0.128	0.500	1	05/03/2019 19:01	WG1275813
1,3-Dichloropropane	U		0.147	1.00	1	05/03/2019 19:01	WG1275813
cis-1,3-Dichloropropene	U		0.0976	0.500	1	05/03/2019 19:01	WG1275813
trans-1,3-Dichloropropene	U		0.222	0.500	1	05/03/2019 19:01	WG1275813
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	05/03/2019 19:01	WG1275813
2,2-Dichloropropane	U		0.0929	0.500	1	05/03/2019 19:01	WG1275813
Di-isopropyl ether	U		0.0924	0.500	1	05/03/2019 19:01	WG1275813
Ethylbenzene	U		0.158	0.500	1	05/03/2019 19:01	WG1275813
Hexachloro-1,3-butadiene	U		0.157	1.00	1	05/03/2019 19:01	WG1275813
2-Hexanone	U		0.757	5.00	1	05/03/2019 19:01	WG1275813
n-Hexane	U		0.305	5.00	1	05/03/2019 19:01	WG1275813
Iodomethane	U		0.377	10.0	1	05/03/2019 19:01	WG1275813
Isopropylbenzene	U		0.126	0.500	1	05/03/2019 19:01	WG1275813
p-Isopropyltoluene	U		0.138	0.500	1	05/03/2019 19:01	WG1275813
2-Butanone (MEK)	U		1.28	5.00	1	05/03/2019 19:01	WG1275813
Methylene Chloride	U		1.07	2.50	1	05/03/2019 19:01	WG1275813
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	05/03/2019 19:01	WG1275813
Methyl tert-butyl ether	U		0.102	0.500	1	05/03/2019 19:01	WG1275813
Naphthalene	U	J0	0.174	2.50	1	05/03/2019 19:01	WG1275813
n-Propylbenzene	U		0.162	0.500	1	05/03/2019 19:01	WG1275813
Styrene	U		0.117	0.500	1	05/03/2019 19:01	WG1275813
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	05/03/2019 19:01	WG1275813
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	05/03/2019 19:01	WG1275813

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	05/03/2019 19:01	WG1275813
Tetrachloroethene	U		0.199	0.500	1	05/05/2019 18:04	WG1276343
Toluene	U		0.412	0.500	1	05/03/2019 19:01	WG1275813
1,2,3-Trichlorobenzene	U		0.164	0.500	1	05/03/2019 19:01	WG1275813
1,2,4-Trichlorobenzene	U		0.355	0.500	1	05/03/2019 19:01	WG1275813
1,1,1-Trichloroethane	U		0.0940	0.500	1	05/03/2019 19:01	WG1275813
1,1,2-Trichloroethane	U		0.186	0.500	1	05/03/2019 19:01	WG1275813
Trichloroethene	U		0.153	0.500	1	05/03/2019 19:01	WG1275813
Trichlorofluoromethane	U	J0	0.130	2.50	1	05/03/2019 19:01	WG1275813
1,2,3-Trichloropropane	U		0.247	2.50	1	05/03/2019 19:01	WG1275813
1,2,4-Trimethylbenzene	U		0.123	0.500	1	05/03/2019 19:01	WG1275813
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	05/03/2019 19:01	WG1275813
1,3,5-Trimethylbenzene	U		0.124	0.500	1	05/03/2019 19:01	WG1275813
Vinyl acetate	U	J0	0.645	5.00	1	05/03/2019 19:01	WG1275813
Vinyl chloride	U	J0 J4	0.118	0.500	1	05/03/2019 19:01	WG1275813
Xylenes, Total	U		0.316	1.50	1	05/03/2019 19:01	WG1275813
(S) Toluene-d8	*98.8*			*80.0-120*		*05/03/2019 19:01*	WG1275813
(S) Toluene-d8	*97.5*			*80.0-120*		*05/05/2019 18:04*	WG1276343
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*05/03/2019 19:01*	WG1275813
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*05/05/2019 18:04*	WG1276343
(S) 1,2-Dichloroethane-d4	*98.5*			*70.0-130*		*05/03/2019 19:01*	WG1275813
(S) 1,2-Dichloroethane-d4	*94.4*			*70.0-130*		*05/05/2019 18:04*	WG1276343

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	1.90	J J4	1.05	25.0	1	05/03/2019 19:21	WG1275813
Acrylonitrile	U		0.873	5.00	1	05/03/2019 19:21	WG1275813
Benzene	U		0.0896	0.500	1	05/03/2019 19:21	WG1275813
Bromobenzene	U		0.133	0.500	1	05/03/2019 19:21	WG1275813
Bromodichloromethane	U		0.0800	0.500	1	05/03/2019 19:21	WG1275813
Bromochloromethane	U		0.145	0.500	1	05/03/2019 19:21	WG1275813
Bromoform	U		0.186	0.500	1	05/03/2019 19:21	WG1275813
Bromomethane	U		0.157	2.50	1	05/03/2019 19:21	WG1275813
n-Butylbenzene	U		0.143	0.500	1	05/03/2019 19:21	WG1275813
sec-Butylbenzene	U		0.134	0.500	1	05/03/2019 19:21	WG1275813
tert-Butylbenzene	U		0.183	0.500	1	05/03/2019 19:21	WG1275813
Carbon disulfide	U		0.101	0.500	1	05/03/2019 19:21	WG1275813
Carbon tetrachloride	U		0.159	0.500	1	05/03/2019 19:21	WG1275813
Chlorobenzene	U		0.140	0.500	1	05/03/2019 19:21	WG1275813
Chlorodibromomethane	U		0.128	0.500	1	05/03/2019 19:21	WG1275813
Chloroethane	U	J0	0.141	2.50	1	05/03/2019 19:21	WG1275813
Chloroform	U		0.0860	0.500	1	05/03/2019 19:21	WG1275813
Chloromethane	U	J0	0.153	1.25	1	05/03/2019 19:21	WG1275813
2-Chlorotoluene	U		0.111	0.500	1	05/03/2019 19:21	WG1275813
4-Chlorotoluene	U		0.0972	0.500	1	05/03/2019 19:21	WG1275813
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	05/03/2019 19:21	WG1275813
1,2-Dibromoethane	U		0.193	0.500	1	05/03/2019 19:21	WG1275813
Dibromomethane	U		0.117	0.500	1	05/03/2019 19:21	WG1275813
1,2-Dichlorobenzene	U		0.101	0.500	1	05/03/2019 19:21	WG1275813
1,3-Dichlorobenzene	U		0.130	0.500	1	05/03/2019 19:21	WG1275813
1,4-Dichlorobenzene	U		0.121	0.500	1	05/03/2019 19:21	WG1275813
Dichlorodifluoromethane	U		0.127	2.50	1	05/03/2019 19:21	WG1275813
1,1-Dichloroethane	U		0.114	0.500	1	05/03/2019 19:21	WG1275813
1,2-Dichloroethane	U		0.108	0.500	1	05/03/2019 19:21	WG1275813
1,1-Dichloroethene	U		0.188	0.500	1	05/03/2019 19:21	WG1275813
cis-1,2-Dichloroethene	10.9		0.0933	0.500	1	05/03/2019 19:21	WG1275813
trans-1,2-Dichloroethene	0.161	J	0.152	0.500	1	05/03/2019 19:21	WG1275813
1,2-Dichloropropane	U		0.190	0.500	1	05/03/2019 19:21	WG1275813
1,1-Dichloropropene	U		0.128	0.500	1	05/03/2019 19:21	WG1275813
1,3-Dichloropropane	U		0.147	1.00	1	05/03/2019 19:21	WG1275813
cis-1,3-Dichloropropene	U		0.0976	0.500	1	05/03/2019 19:21	WG1275813
trans-1,3-Dichloropropene	U		0.222	0.500	1	05/03/2019 19:21	WG1275813
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	05/03/2019 19:21	WG1275813
2,2-Dichloropropane	U		0.0929	0.500	1	05/03/2019 19:21	WG1275813
Di-isopropyl ether	U		0.0924	0.500	1	05/03/2019 19:21	WG1275813
Ethylbenzene	U		0.158	0.500	1	05/03/2019 19:21	WG1275813
Hexachloro-1,3-butadiene	U		0.157	1.00	1	05/03/2019 19:21	WG1275813
2-Hexanone	U		0.757	5.00	1	05/03/2019 19:21	WG1275813
n-Hexane	U		0.305	5.00	1	05/03/2019 19:21	WG1275813
Iodomethane	U		0.377	10.0	1	05/03/2019 19:21	WG1275813
Isopropylbenzene	U		0.126	0.500	1	05/03/2019 19:21	WG1275813
p-Isopropyltoluene	U		0.138	0.500	1	05/03/2019 19:21	WG1275813
2-Butanone (MEK)	U		1.28	5.00	1	05/03/2019 19:21	WG1275813
Methylene Chloride	U		1.07	2.50	1	05/03/2019 19:21	WG1275813
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	05/03/2019 19:21	WG1275813
Methyl tert-butyl ether	U		0.102	0.500	1	05/03/2019 19:21	WG1275813
Naphthalene	U	J0	0.174	2.50	1	05/03/2019 19:21	WG1275813
n-Propylbenzene	U		0.162	0.500	1	05/03/2019 19:21	WG1275813
Styrene	U		0.117	0.500	1	05/03/2019 19:21	WG1275813
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	05/03/2019 19:21	WG1275813
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	05/03/2019 19:21	WG1275813

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	05/03/2019 19:21	WG1275813
Tetrachloroethene	0.224	J	0.199	0.500	1	05/03/2019 19:21	WG1275813
Toluene	U		0.412	0.500	1	05/03/2019 19:21	WG1275813
1,2,3-Trichlorobenzene	U		0.164	0.500	1	05/03/2019 19:21	WG1275813
1,2,4-Trichlorobenzene	U		0.355	0.500	1	05/03/2019 19:21	WG1275813
1,1,1-Trichloroethane	U		0.0940	0.500	1	05/03/2019 19:21	WG1275813
1,1,2-Trichloroethane	U		0.186	0.500	1	05/03/2019 19:21	WG1275813
Trichloroethene	1.12		0.153	0.500	1	05/03/2019 19:21	WG1275813
Trichlorofluoromethane	U	J0	0.130	2.50	1	05/03/2019 19:21	WG1275813
1,2,3-Trichloropropane	U		0.247	2.50	1	05/03/2019 19:21	WG1275813
1,2,4-Trimethylbenzene	U		0.123	0.500	1	05/03/2019 19:21	WG1275813
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	05/03/2019 19:21	WG1275813
1,3,5-Trimethylbenzene	U		0.124	0.500	1	05/03/2019 19:21	WG1275813
Vinyl acetate	U	J0	0.645	5.00	1	05/03/2019 19:21	WG1275813
Vinyl chloride	U	J0 J4	0.118	0.500	1	05/03/2019 19:21	WG1275813
Xylenes, Total	U		0.316	1.50	1	05/03/2019 19:21	WG1275813
(S) Toluene-d8	*98.2*			*80.0-120*		*05/03/2019 19:21*	WG1275813
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*05/03/2019 19:21*	WG1275813
(S) 1,2-Dichloroethane-d4	*96.1*			*70.0-130*		*05/03/2019 19:21*	WG1275813

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 18:28	WG1275218
(S) a,a,a-Trifluorotoluene(FID)	*98.1*			*78.0-120*		*05/02/2019 18:28*	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	4.49	J J4	1.05	25.0	1	05/03/2019 19:41	WG1275813
Acrylonitrile	U		0.873	5.00	1	05/03/2019 19:41	WG1275813
Benzene	U		0.0896	0.500	1	05/03/2019 19:41	WG1275813
Bromobenzene	U		0.133	0.500	1	05/03/2019 19:41	WG1275813
Bromodichloromethane	U		0.0800	0.500	1	05/03/2019 19:41	WG1275813
Bromochloromethane	U		0.145	0.500	1	05/03/2019 19:41	WG1275813
Bromoform	U		0.186	0.500	1	05/03/2019 19:41	WG1275813
Bromomethane	U		0.157	2.50	1	05/03/2019 19:41	WG1275813
n-Butylbenzene	U		0.143	0.500	1	05/03/2019 19:41	WG1275813
sec-Butylbenzene	U		0.134	0.500	1	05/03/2019 19:41	WG1275813
tert-Butylbenzene	U		0.183	0.500	1	05/03/2019 19:41	WG1275813
Carbon disulfide	U		0.101	0.500	1	05/03/2019 19:41	WG1275813
Carbon tetrachloride	U		0.159	0.500	1	05/03/2019 19:41	WG1275813
Chlorobenzene	U		0.140	0.500	1	05/03/2019 19:41	WG1275813
Chlorodibromomethane	U		0.128	0.500	1	05/03/2019 19:41	WG1275813
Chloroethane	U	J0	0.141	2.50	1	05/03/2019 19:41	WG1275813
Chloroform	U		0.0860	0.500	1	05/03/2019 19:41	WG1275813
Chloromethane	U	J0	0.153	1.25	1	05/03/2019 19:41	WG1275813
2-Chlorotoluene	U		0.111	0.500	1	05/03/2019 19:41	WG1275813
4-Chlorotoluene	U		0.0972	0.500	1	05/03/2019 19:41	WG1275813
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	05/03/2019 19:41	WG1275813
1,2-Dibromoethane	U		0.193	0.500	1	05/03/2019 19:41	WG1275813
Dibromomethane	U		0.117	0.500	1	05/03/2019 19:41	WG1275813
1,2-Dichlorobenzene	U		0.101	0.500	1	05/03/2019 19:41	WG1275813
1,3-Dichlorobenzene	U		0.130	0.500	1	05/03/2019 19:41	WG1275813
1,4-Dichlorobenzene	U		0.121	0.500	1	05/03/2019 19:41	WG1275813
Dichlorodifluoromethane	U		0.127	2.50	1	05/03/2019 19:41	WG1275813
1,1-Dichloroethane	U		0.114	0.500	1	05/03/2019 19:41	WG1275813
1,2-Dichloroethane	U		0.108	0.500	1	05/03/2019 19:41	WG1275813
1,1-Dichloroethene	U		0.188	0.500	1	05/03/2019 19:41	WG1275813
cis-1,2-Dichloroethene	5.39		0.0933	0.500	1	05/03/2019 19:41	WG1275813
trans-1,2-Dichloroethene	U		0.152	0.500	1	05/03/2019 19:41	WG1275813
1,2-Dichloropropane	U		0.190	0.500	1	05/03/2019 19:41	WG1275813
1,1-Dichloropropene	U		0.128	0.500	1	05/03/2019 19:41	WG1275813
1,3-Dichloropropane	U		0.147	1.00	1	05/03/2019 19:41	WG1275813
cis-1,3-Dichloropropene	U		0.0976	0.500	1	05/03/2019 19:41	WG1275813
trans-1,3-Dichloropropene	U		0.222	0.500	1	05/03/2019 19:41	WG1275813
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	05/03/2019 19:41	WG1275813
2,2-Dichloropropane	U		0.0929	0.500	1	05/03/2019 19:41	WG1275813
Di-isopropyl ether	U		0.0924	0.500	1	05/03/2019 19:41	WG1275813
Ethylbenzene	U		0.158	0.500	1	05/03/2019 19:41	WG1275813
Hexachloro-1,3-butadiene	U		0.157	1.00	1	05/03/2019 19:41	WG1275813
2-Hexanone	U		0.757	5.00	1	05/03/2019 19:41	WG1275813
n-Hexane	U		0.305	5.00	1	05/03/2019 19:41	WG1275813
Iodomethane	U		0.377	10.0	1	05/03/2019 19:41	WG1275813
Isopropylbenzene	U		0.126	0.500	1	05/03/2019 19:41	WG1275813
p-Isopropyltoluene	U		0.138	0.500	1	05/03/2019 19:41	WG1275813
2-Butanone (MEK)	U		1.28	5.00	1	05/03/2019 19:41	WG1275813

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	05/03/2019 19:41	WG1275813
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	05/03/2019 19:41	WG1275813
Methyl tert-butyl ether	U		0.102	0.500	1	05/03/2019 19:41	WG1275813
Naphthalene	U	J0	0.174	2.50	1	05/03/2019 19:41	WG1275813
n-Propylbenzene	U		0.162	0.500	1	05/03/2019 19:41	WG1275813
Styrene	U		0.117	0.500	1	05/03/2019 19:41	WG1275813
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	05/03/2019 19:41	WG1275813
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	05/03/2019 19:41	WG1275813
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	05/03/2019 19:41	WG1275813
Tetrachloroethene	U		0.199	0.500	1	05/03/2019 19:41	WG1275813
Toluene	U		0.412	0.500	1	05/03/2019 19:41	WG1275813
1,2,3-Trichlorobenzene	U		0.164	0.500	1	05/03/2019 19:41	WG1275813
1,2,4-Trichlorobenzene	U		0.355	0.500	1	05/03/2019 19:41	WG1275813
1,1,1-Trichloroethane	U		0.0940	0.500	1	05/03/2019 19:41	WG1275813
1,1,2-Trichloroethane	U		0.186	0.500	1	05/03/2019 19:41	WG1275813
Trichloroethene	U		0.153	0.500	1	05/03/2019 19:41	WG1275813
Trichlorofluoromethane	U	J0	0.130	2.50	1	05/03/2019 19:41	WG1275813
1,2,3-Trichloropropane	U		0.247	2.50	1	05/03/2019 19:41	WG1275813
1,2,4-Trimethylbenzene	U		0.123	0.500	1	05/03/2019 19:41	WG1275813
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	05/03/2019 19:41	WG1275813
1,3,5-Trimethylbenzene	U		0.124	0.500	1	05/03/2019 19:41	WG1275813
Vinyl acetate	U	J0	0.645	5.00	1	05/03/2019 19:41	WG1275813
Vinyl chloride	15.2	J0 J4	0.118	0.500	1	05/03/2019 19:41	WG1275813
Xylenes, Total	U		0.316	1.50	1	05/03/2019 19:41	WG1275813
(S) Toluene-d8	*96.6*			*80.0-120*		*05/03/2019 19:41*	WG1275813
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*05/03/2019 19:41*	WG1275813
(S) 1,2-Dichloroethane-d4	*96.1*			*70.0-130*		*05/03/2019 19:41*	WG1275813

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	293000		2710	20000	1	05/07/2019 19:50	WG1276578

Sample Narrative:

L1094387-06 WG1276578: 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	25500		51.9	1000	1	05/02/2019 11:27	WG1274986
Nitrate	U		22.7	100	1	05/02/2019 11:27	WG1274986
Sulfate	12200		77.4	5000	1	05/02/2019 11:27	WG1274986

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)	1580	B	102	1000	1	05/02/2019 21:22	WG1275023

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	5730		15.0	100	1	05/12/2019 22:10	WG1275858
Manganese	795		0.250	5.00	1	05/12/2019 22:10	WG1275858

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	05/02/2019 18:52	WG1275218
(S) a,a,a-Trifluorotoluene(FID)	*98.6*			*78.0-120*		*05/02/2019 18:52*	WG1275218

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	98.1		0.287	0.678	1	05/09/2019 11:39	WG1277421
Ethane	U		0.296	1.29	1	05/09/2019 11:39	WG1277421
Ethene	U		0.422	1.27	1	05/09/2019 11:39	WG1277421

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	1.21	J J4	1.05	25.0	1	05/03/2019 20:01	WG1275813
Acrylonitrile	U		0.873	5.00	1	05/03/2019 20:01	WG1275813
Benzene	U		0.0896	0.500	1	05/03/2019 20:01	WG1275813
Bromobenzene	U		0.133	0.500	1	05/03/2019 20:01	WG1275813
Bromodichloromethane	U		0.0800	0.500	1	05/03/2019 20:01	WG1275813
Bromochloromethane	U		0.145	0.500	1	05/03/2019 20:01	WG1275813
Bromoform	U		0.186	0.500	1	05/03/2019 20:01	WG1275813
Bromomethane	U		0.157	2.50	1	05/03/2019 20:01	WG1275813
n-Butylbenzene	U		0.143	0.500	1	05/03/2019 20:01	WG1275813
sec-Butylbenzene	U		0.134	0.500	1	05/03/2019 20:01	WG1275813
tert-Butylbenzene	U		0.183	0.500	1	05/03/2019 20:01	WG1275813
Carbon disulfide	U		0.101	0.500	1	05/03/2019 20:01	WG1275813
Carbon tetrachloride	U		0.159	0.500	1	05/03/2019 20:01	WG1275813

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	05/03/2019 20:01	WG1275813
Chlorodibromomethane	U		0.128	0.500	1	05/03/2019 20:01	WG1275813
Chloroethane	U	J0	0.141	2.50	1	05/03/2019 20:01	WG1275813
Chloroform	U		0.0860	0.500	1	05/03/2019 20:01	WG1275813
Chloromethane	U	J0	0.153	1.25	1	05/03/2019 20:01	WG1275813
2-Chlorotoluene	U		0.111	0.500	1	05/03/2019 20:01	WG1275813
4-Chlorotoluene	U		0.0972	0.500	1	05/03/2019 20:01	WG1275813
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	05/03/2019 20:01	WG1275813
1,2-Dibromoethane	U		0.193	0.500	1	05/03/2019 20:01	WG1275813
Dibromomethane	U		0.117	0.500	1	05/03/2019 20:01	WG1275813
1,2-Dichlorobenzene	U		0.101	0.500	1	05/03/2019 20:01	WG1275813
1,3-Dichlorobenzene	U		0.130	0.500	1	05/03/2019 20:01	WG1275813
1,4-Dichlorobenzene	U		0.121	0.500	1	05/03/2019 20:01	WG1275813
Dichlorodifluoromethane	U		0.127	2.50	1	05/03/2019 20:01	WG1275813
1,1-Dichloroethane	U		0.114	0.500	1	05/03/2019 20:01	WG1275813
1,2-Dichloroethane	U		0.108	0.500	1	05/03/2019 20:01	WG1275813
1,1-Dichloroethene	0.517		0.188	0.500	1	05/03/2019 20:01	WG1275813
cis-1,2-Dichloroethene	1.15		0.0933	0.500	1	05/03/2019 20:01	WG1275813
trans-1,2-Dichloroethene	U		0.152	0.500	1	05/03/2019 20:01	WG1275813
1,2-Dichloropropane	U		0.190	0.500	1	05/03/2019 20:01	WG1275813
1,1-Dichloropropene	U		0.128	0.500	1	05/03/2019 20:01	WG1275813
1,3-Dichloropropane	U		0.147	1.00	1	05/03/2019 20:01	WG1275813
cis-1,3-Dichloropropene	U		0.0976	0.500	1	05/03/2019 20:01	WG1275813
trans-1,3-Dichloropropene	U		0.222	0.500	1	05/03/2019 20:01	WG1275813
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	05/03/2019 20:01	WG1275813
2,2-Dichloropropane	U		0.0929	0.500	1	05/03/2019 20:01	WG1275813
Di-isopropyl ether	U		0.0924	0.500	1	05/03/2019 20:01	WG1275813
Ethylbenzene	U		0.158	0.500	1	05/03/2019 20:01	WG1275813
Hexachloro-1,3-butadiene	U		0.157	1.00	1	05/03/2019 20:01	WG1275813
2-Hexanone	U		0.757	5.00	1	05/03/2019 20:01	WG1275813
n-Hexane	U		0.305	5.00	1	05/03/2019 20:01	WG1275813
Iodomethane	U		0.377	10.0	1	05/03/2019 20:01	WG1275813
Isopropylbenzene	U		0.126	0.500	1	05/03/2019 20:01	WG1275813
p-Isopropyltoluene	U		0.138	0.500	1	05/03/2019 20:01	WG1275813
2-Butanone (MEK)	U		1.28	5.00	1	05/03/2019 20:01	WG1275813
Methylene Chloride	U		1.07	2.50	1	05/03/2019 20:01	WG1275813
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	05/03/2019 20:01	WG1275813
Methyl tert-butyl ether	U		0.102	0.500	1	05/03/2019 20:01	WG1275813
Naphthalene	U	J0	0.174	2.50	1	05/03/2019 20:01	WG1275813
n-Propylbenzene	U		0.162	0.500	1	05/03/2019 20:01	WG1275813
Styrene	U		0.117	0.500	1	05/03/2019 20:01	WG1275813
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	05/03/2019 20:01	WG1275813
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	05/03/2019 20:01	WG1275813
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	05/03/2019 20:01	WG1275813
Tetrachloroethene	0.482	J	0.199	0.500	1	05/03/2019 20:01	WG1275813
Toluene	U		0.412	0.500	1	05/03/2019 20:01	WG1275813
1,2,3-Trichlorobenzene	U		0.164	0.500	1	05/03/2019 20:01	WG1275813
1,2,4-Trichlorobenzene	U		0.355	0.500	1	05/03/2019 20:01	WG1275813
1,1,1-Trichloroethane	U		0.0940	0.500	1	05/03/2019 20:01	WG1275813
1,1,2-Trichloroethane	U		0.186	0.500	1	05/03/2019 20:01	WG1275813
Trichloroethene	1.66		0.153	0.500	1	05/03/2019 20:01	WG1275813
Trichlorofluoromethane	U	J0	0.130	2.50	1	05/03/2019 20:01	WG1275813
1,2,3-Trichloropropane	U		0.247	2.50	1	05/03/2019 20:01	WG1275813
1,2,4-Trimethylbenzene	U		0.123	0.500	1	05/03/2019 20:01	WG1275813
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	05/03/2019 20:01	WG1275813
1,3,5-Trimethylbenzene	U		0.124	0.500	1	05/03/2019 20:01	WG1275813

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	05/03/2019 20:01	WG1275813
Vinyl chloride	U	J0 J4	0.118	0.500	1	05/03/2019 20:01	WG1275813
Xylenes, Total	U		0.316	1.50	1	05/03/2019 20:01	WG1275813
(S) Toluene-d8	*99.3*			*80.0-120*		*05/03/2019 20:01*	WG1275813
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*05/03/2019 20:01*	WG1275813
(S) 1,2-Dichloroethane-d4	*99.5*			*70.0-130*		*05/03/2019 20:01*	WG1275813

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	538000		2710	20000	1	05/07/2019 19:58	WG1276578

Sample Narrative:

L1094387-07 WG1276578: 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	41600		51.9	1000	1	05/02/2019 12:24	WG1274986
Nitrate	U		22.7	100	1	05/02/2019 12:24	WG1274986
Sulfate	51800		77.4	5000	1	05/02/2019 12:24	WG1274986

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)	14200		102	1000	1	05/02/2019 21:58	WG1275023

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2670		15.0	100	1	05/12/2019 22:15	WG1275858
Manganese	1080		0.250	5.00	1	05/12/2019 22:15	WG1275858

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	481		31.6	100	1	05/02/2019 19:16	WG1275218
(S) a,a,a-Trifluorotoluene(FID)	*99.0*			*78.0-120*		*05/02/2019 19:16*	WG1275218

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	18000		5.74	13.6	20	05/09/2019 16:35	WG1278760
Ethane	122		0.296	1.29	1	05/09/2019 11:43	WG1277421
Ethene	93.2		0.422	1.27	1	05/09/2019 11:43	WG1277421

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	5.66	J J4	1.05	25.0	1	05/03/2019 20:21	WG1275813
Acrylonitrile	U		0.873	5.00	1	05/03/2019 20:21	WG1275813
Benzene	0.188	J	0.0896	0.500	1	05/03/2019 20:21	WG1275813
Bromobenzene	U		0.133	0.500	1	05/03/2019 20:21	WG1275813
Bromodichloromethane	U		0.0800	0.500	1	05/03/2019 20:21	WG1275813
Bromochloromethane	U		0.145	0.500	1	05/03/2019 20:21	WG1275813
Bromoform	U		0.186	0.500	1	05/03/2019 20:21	WG1275813
Bromomethane	U		0.157	2.50	1	05/03/2019 20:21	WG1275813
n-Butylbenzene	U		0.143	0.500	1	05/03/2019 20:21	WG1275813
sec-Butylbenzene	U		0.134	0.500	1	05/03/2019 20:21	WG1275813
tert-Butylbenzene	U		0.183	0.500	1	05/03/2019 20:21	WG1275813
Carbon disulfide	U		0.101	0.500	1	05/03/2019 20:21	WG1275813
Carbon tetrachloride	U		0.159	0.500	1	05/03/2019 20:21	WG1275813

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	05/03/2019 20:21	WG1275813
Chlorodibromomethane	U		0.128	0.500	1	05/03/2019 20:21	WG1275813
Chloroethane	4.02	J0	0.141	2.50	1	05/03/2019 20:21	WG1275813
Chloroform	U		0.0860	0.500	1	05/03/2019 20:21	WG1275813
Chloromethane	U	J0	0.153	1.25	1	05/03/2019 20:21	WG1275813
2-Chlorotoluene	U		0.111	0.500	1	05/03/2019 20:21	WG1275813
4-Chlorotoluene	U		0.0972	0.500	1	05/03/2019 20:21	WG1275813
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	05/03/2019 20:21	WG1275813
1,2-Dibromoethane	U		0.193	0.500	1	05/03/2019 20:21	WG1275813
Dibromomethane	U		0.117	0.500	1	05/03/2019 20:21	WG1275813
1,2-Dichlorobenzene	U		0.101	0.500	1	05/03/2019 20:21	WG1275813
1,3-Dichlorobenzene	U		0.130	0.500	1	05/03/2019 20:21	WG1275813
1,4-Dichlorobenzene	U		0.121	0.500	1	05/03/2019 20:21	WG1275813
Dichlorodifluoromethane	U		0.127	2.50	1	05/03/2019 20:21	WG1275813
1,1-Dichloroethane	U		0.114	0.500	1	05/03/2019 20:21	WG1275813
1,2-Dichloroethane	U		0.108	0.500	1	05/03/2019 20:21	WG1275813
1,1-Dichloroethene	13.0		0.188	0.500	1	05/03/2019 20:21	WG1275813
cis-1,2-Dichloroethene	1250		1.87	10.0	20	05/05/2019 18:44	WG1276343
trans-1,2-Dichloroethene	14.1		0.152	0.500	1	05/03/2019 20:21	WG1275813
1,2-Dichloropropane	U		0.190	0.500	1	05/03/2019 20:21	WG1275813
1,1-Dichloropropene	U		0.128	0.500	1	05/03/2019 20:21	WG1275813
1,3-Dichloropropane	U		0.147	1.00	1	05/03/2019 20:21	WG1275813
cis-1,3-Dichloropropene	U		0.0976	0.500	1	05/03/2019 20:21	WG1275813
trans-1,3-Dichloropropene	U		0.222	0.500	1	05/03/2019 20:21	WG1275813
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	05/03/2019 20:21	WG1275813
2,2-Dichloropropane	U		0.0929	0.500	1	05/03/2019 20:21	WG1275813
Di-isopropyl ether	U		0.0924	0.500	1	05/03/2019 20:21	WG1275813
Ethylbenzene	U		0.158	0.500	1	05/03/2019 20:21	WG1275813
Hexachloro-1,3-butadiene	U		0.157	1.00	1	05/03/2019 20:21	WG1275813
2-Hexanone	U		0.757	5.00	1	05/03/2019 20:21	WG1275813
n-Hexane	U		0.305	5.00	1	05/03/2019 20:21	WG1275813
Iodomethane	U		0.377	10.0	1	05/03/2019 20:21	WG1275813
Isopropylbenzene	U		0.126	0.500	1	05/03/2019 20:21	WG1275813
p-Isopropyltoluene	U		0.138	0.500	1	05/03/2019 20:21	WG1275813
2-Butanone (MEK)	U		1.28	5.00	1	05/03/2019 20:21	WG1275813
Methylene Chloride	U		1.07	2.50	1	05/03/2019 20:21	WG1275813
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	05/03/2019 20:21	WG1275813
Methyl tert-butyl ether	U		0.102	0.500	1	05/03/2019 20:21	WG1275813
Naphthalene	U	J0	0.174	2.50	1	05/03/2019 20:21	WG1275813
n-Propylbenzene	U		0.162	0.500	1	05/03/2019 20:21	WG1275813
Styrene	U		0.117	0.500	1	05/03/2019 20:21	WG1275813
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	05/03/2019 20:21	WG1275813
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	05/03/2019 20:21	WG1275813
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	05/03/2019 20:21	WG1275813
Tetrachloroethene	U		0.199	0.500	1	05/03/2019 20:21	WG1275813
Toluene	U		0.412	0.500	1	05/03/2019 20:21	WG1275813
1,2,3-Trichlorobenzene	U		0.164	0.500	1	05/03/2019 20:21	WG1275813
1,2,4-Trichlorobenzene	U		0.355	0.500	1	05/03/2019 20:21	WG1275813
1,1,1-Trichloroethane	U		0.0940	0.500	1	05/03/2019 20:21	WG1275813
1,1,2-Trichloroethane	U		0.186	0.500	1	05/03/2019 20:21	WG1275813
Trichloroethene	99.9		0.153	0.500	1	05/03/2019 20:21	WG1275813
Trichlorofluoromethane	U	J0	0.130	2.50	1	05/03/2019 20:21	WG1275813
1,2,3-Trichloropropane	U		0.247	2.50	1	05/03/2019 20:21	WG1275813
1,2,4-Trimethylbenzene	U		0.123	0.500	1	05/03/2019 20:21	WG1275813
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	05/03/2019 20:21	WG1275813
1,3,5-Trimethylbenzene	U		0.124	0.500	1	05/03/2019 20:21	WG1275813

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	05/03/2019 20:21	WG1275813
Vinyl chloride	374		2.36	10.0	20	05/05/2019 18:44	WG1276343
Xylenes, Total	U		0.316	1.50	1	05/03/2019 20:21	WG1275813
(S) Toluene-d8	*99.0*			*80.0-120*		*05/03/2019 20:21*	WG1275813
(S) Toluene-d8	*102*			*80.0-120*		*05/05/2019 18:44*	WG1276343
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*05/03/2019 20:21*	WG1275813
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*05/05/2019 18:44*	WG1276343
(S) 1,2-Dichloroethane-d4	*94.3*			*70.0-130*		*05/03/2019 20:21*	WG1275813
(S) 1,2-Dichloroethane-d4	*98.0*			*70.0-130*		*05/05/2019 18:44*	WG1276343

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	4.93	J J4	1.05	25.0	1	05/03/2019 20:42	WG1275813
Acrylonitrile	U		0.873	5.00	1	05/03/2019 20:42	WG1275813
Benzene	U		0.0896	0.500	1	05/03/2019 20:42	WG1275813
Bromobenzene	U		0.133	0.500	1	05/03/2019 20:42	WG1275813
Bromodichloromethane	U		0.0800	0.500	1	05/03/2019 20:42	WG1275813
Bromochloromethane	U		0.145	0.500	1	05/03/2019 20:42	WG1275813
Bromoform	U		0.186	0.500	1	05/03/2019 20:42	WG1275813
Bromomethane	U		0.157	2.50	1	05/03/2019 20:42	WG1275813
n-Butylbenzene	U		0.143	0.500	1	05/03/2019 20:42	WG1275813
sec-Butylbenzene	U		0.134	0.500	1	05/03/2019 20:42	WG1275813
tert-Butylbenzene	U		0.183	0.500	1	05/03/2019 20:42	WG1275813
Carbon disulfide	U		0.101	0.500	1	05/03/2019 20:42	WG1275813
Carbon tetrachloride	U		0.159	0.500	1	05/03/2019 20:42	WG1275813
Chlorobenzene	U		0.140	0.500	1	05/03/2019 20:42	WG1275813
Chlorodibromomethane	U		0.128	0.500	1	05/03/2019 20:42	WG1275813
Chloroethane	U	J0	0.141	2.50	1	05/03/2019 20:42	WG1275813
Chloroform	U		0.0860	0.500	1	05/03/2019 20:42	WG1275813
Chloromethane	U	J0	0.153	1.25	1	05/03/2019 20:42	WG1275813
2-Chlorotoluene	U		0.111	0.500	1	05/03/2019 20:42	WG1275813
4-Chlorotoluene	U		0.0972	0.500	1	05/03/2019 20:42	WG1275813
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	05/03/2019 20:42	WG1275813
1,2-Dibromoethane	U		0.193	0.500	1	05/03/2019 20:42	WG1275813
Dibromomethane	U		0.117	0.500	1	05/03/2019 20:42	WG1275813
1,2-Dichlorobenzene	U		0.101	0.500	1	05/03/2019 20:42	WG1275813
1,3-Dichlorobenzene	U		0.130	0.500	1	05/03/2019 20:42	WG1275813
1,4-Dichlorobenzene	U		0.121	0.500	1	05/03/2019 20:42	WG1275813
Dichlorodifluoromethane	U		0.127	2.50	1	05/03/2019 20:42	WG1275813
1,1-Dichloroethane	U		0.114	0.500	1	05/03/2019 20:42	WG1275813
1,2-Dichloroethane	U		0.108	0.500	1	05/03/2019 20:42	WG1275813
1,1-Dichloroethene	1.26		0.188	0.500	1	05/03/2019 20:42	WG1275813
cis-1,2-Dichloroethene	372		0.466	2.50	5	05/05/2019 19:04	WG1276343
trans-1,2-Dichloroethene	1.22		0.152	0.500	1	05/03/2019 20:42	WG1275813
1,2-Dichloropropane	U		0.190	0.500	1	05/03/2019 20:42	WG1275813
1,1-Dichloropropene	U		0.128	0.500	1	05/03/2019 20:42	WG1275813
1,3-Dichloropropane	U		0.147	1.00	1	05/03/2019 20:42	WG1275813
cis-1,3-Dichloropropene	U		0.0976	0.500	1	05/03/2019 20:42	WG1275813
trans-1,3-Dichloropropene	U		0.222	0.500	1	05/03/2019 20:42	WG1275813
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	05/03/2019 20:42	WG1275813
2,2-Dichloropropane	U		0.0929	0.500	1	05/03/2019 20:42	WG1275813
Di-isopropyl ether	U		0.0924	0.500	1	05/03/2019 20:42	WG1275813
Ethylbenzene	U		0.158	0.500	1	05/03/2019 20:42	WG1275813
Hexachloro-1,3-butadiene	U		0.157	1.00	1	05/03/2019 20:42	WG1275813
2-Hexanone	U		0.757	5.00	1	05/03/2019 20:42	WG1275813
n-Hexane	U		0.305	5.00	1	05/03/2019 20:42	WG1275813
Iodomethane	U		0.377	10.0	1	05/03/2019 20:42	WG1275813
Isopropylbenzene	U		0.126	0.500	1	05/03/2019 20:42	WG1275813
p-Isopropyltoluene	U		0.138	0.500	1	05/03/2019 20:42	WG1275813
2-Butanone (MEK)	U		1.28	5.00	1	05/03/2019 20:42	WG1275813
Methylene Chloride	U		1.07	2.50	1	05/03/2019 20:42	WG1275813
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	05/03/2019 20:42	WG1275813
Methyl tert-butyl ether	U		0.102	0.500	1	05/03/2019 20:42	WG1275813
Naphthalene	U	J0	0.174	2.50	1	05/03/2019 20:42	WG1275813
n-Propylbenzene	U		0.162	0.500	1	05/03/2019 20:42	WG1275813
Styrene	U		0.117	0.500	1	05/03/2019 20:42	WG1275813
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	05/03/2019 20:42	WG1275813
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	05/03/2019 20:42	WG1275813

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	05/03/2019 20:42	WG1275813
Tetrachloroethene	101		0.199	0.500	1	05/03/2019 20:42	WG1275813
Toluene	U		0.412	0.500	1	05/03/2019 20:42	WG1275813
1,2,3-Trichlorobenzene	U		0.164	0.500	1	05/03/2019 20:42	WG1275813
1,2,4-Trichlorobenzene	U		0.355	0.500	1	05/03/2019 20:42	WG1275813
1,1,1-Trichloroethane	U		0.0940	0.500	1	05/03/2019 20:42	WG1275813
1,1,2-Trichloroethane	U		0.186	0.500	1	05/03/2019 20:42	WG1275813
Trichloroethene	166		0.153	0.500	1	05/03/2019 20:42	WG1275813
Trichlorofluoromethane	U	J0	0.130	2.50	1	05/03/2019 20:42	WG1275813
1,2,3-Trichloropropane	U		0.247	2.50	1	05/03/2019 20:42	WG1275813
1,2,4-Trimethylbenzene	U		0.123	0.500	1	05/03/2019 20:42	WG1275813
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	05/03/2019 20:42	WG1275813
1,3,5-Trimethylbenzene	U		0.124	0.500	1	05/03/2019 20:42	WG1275813
Vinyl acetate	U	J0	0.645	5.00	1	05/03/2019 20:42	WG1275813
Vinyl chloride	U		0.590	2.50	5	05/05/2019 19:04	WG1276343
Xylenes, Total	U		0.316	1.50	1	05/03/2019 20:42	WG1275813
(S) Toluene-d8	*96.8*			*80.0-120*		*05/03/2019 20:42*	WG1275813
(S) Toluene-d8	*96.5*			*80.0-120*		*05/05/2019 19:04*	WG1276343
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*05/03/2019 20:42*	WG1275813
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*05/05/2019 19:04*	WG1276343
(S) 1,2-Dichloroethane-d4	*98.7*			*70.0-130*		*05/03/2019 20:42*	WG1275813
(S) 1,2-Dichloroethane-d4	*94.8*			*70.0-130*		*05/05/2019 19:04*	WG1276343

Sample Narrative:

L1094387-08 WG1275813, WG1276343: Not all compounds reportable at lower dilution.

L1094387-08 WG1275813, WG1276343: 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	05/02/2019 17:41	WG1275218
(S) a,a,a-Trifluorotoluene(FID)	*98.6*			*78.0-120*		*05/02/2019 17:41*	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	1.22	J J4	1.05	25.0	1	05/03/2019 17:00	WG1275813
Acrylonitrile	U		0.873	5.00	1	05/03/2019 17:00	WG1275813
Benzene	U		0.0896	0.500	1	05/03/2019 17:00	WG1275813
Bromobenzene	U		0.133	0.500	1	05/03/2019 17:00	WG1275813
Bromodichloromethane	U		0.0800	0.500	1	05/03/2019 17:00	WG1275813
Bromochloromethane	U		0.145	0.500	1	05/03/2019 17:00	WG1275813
Bromoform	U		0.186	0.500	1	05/03/2019 17:00	WG1275813
Bromomethane	U		0.157	2.50	1	05/03/2019 17:00	WG1275813
n-Butylbenzene	U		0.143	0.500	1	05/03/2019 17:00	WG1275813
sec-Butylbenzene	U		0.134	0.500	1	05/03/2019 17:00	WG1275813
tert-Butylbenzene	U		0.183	0.500	1	05/03/2019 17:00	WG1275813
Carbon disulfide	U		0.101	0.500	1	05/03/2019 17:00	WG1275813
Carbon tetrachloride	U		0.159	0.500	1	05/03/2019 17:00	WG1275813
Chlorobenzene	U		0.140	0.500	1	05/03/2019 17:00	WG1275813
Chlorodibromomethane	U		0.128	0.500	1	05/03/2019 17:00	WG1275813
Chloroethane	U	J0	0.141	2.50	1	05/03/2019 17:00	WG1275813
Chloroform	U		0.0860	0.500	1	05/03/2019 17:00	WG1275813
Chloromethane	U	J0	0.153	1.25	1	05/03/2019 17:00	WG1275813
2-Chlorotoluene	U		0.111	0.500	1	05/03/2019 17:00	WG1275813
4-Chlorotoluene	U		0.0972	0.500	1	05/03/2019 17:00	WG1275813
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	05/03/2019 17:00	WG1275813
1,2-Dibromoethane	U		0.193	0.500	1	05/03/2019 17:00	WG1275813
Dibromomethane	U		0.117	0.500	1	05/03/2019 17:00	WG1275813
1,2-Dichlorobenzene	U		0.101	0.500	1	05/03/2019 17:00	WG1275813
1,3-Dichlorobenzene	U		0.130	0.500	1	05/03/2019 17:00	WG1275813
1,4-Dichlorobenzene	U		0.121	0.500	1	05/03/2019 17:00	WG1275813
Dichlorodifluoromethane	U		0.127	2.50	1	05/03/2019 17:00	WG1275813
1,1-Dichloroethane	U		0.114	0.500	1	05/03/2019 17:00	WG1275813
1,2-Dichloroethane	U		0.108	0.500	1	05/03/2019 17:00	WG1275813
1,1-Dichloroethene	U		0.188	0.500	1	05/03/2019 17:00	WG1275813
cis-1,2-Dichloroethene	U		0.0933	0.500	1	05/03/2019 17:00	WG1275813
trans-1,2-Dichloroethene	U		0.152	0.500	1	05/03/2019 17:00	WG1275813
1,2-Dichloropropane	U		0.190	0.500	1	05/03/2019 17:00	WG1275813
1,1-Dichloropropene	U		0.128	0.500	1	05/03/2019 17:00	WG1275813
1,3-Dichloropropane	U		0.147	1.00	1	05/03/2019 17:00	WG1275813
cis-1,3-Dichloropropene	U		0.0976	0.500	1	05/03/2019 17:00	WG1275813
trans-1,3-Dichloropropene	U		0.222	0.500	1	05/03/2019 17:00	WG1275813
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	05/03/2019 17:00	WG1275813
2,2-Dichloropropane	U		0.0929	0.500	1	05/03/2019 17:00	WG1275813
Di-isopropyl ether	U		0.0924	0.500	1	05/03/2019 17:00	WG1275813
Ethylbenzene	U		0.158	0.500	1	05/03/2019 17:00	WG1275813
Hexachloro-1,3-butadiene	U		0.157	1.00	1	05/03/2019 17:00	WG1275813
2-Hexanone	U		0.757	5.00	1	05/03/2019 17:00	WG1275813
n-Hexane	U		0.305	5.00	1	05/03/2019 17:00	WG1275813
Iodomethane	U		0.377	10.0	1	05/03/2019 17:00	WG1275813
Isopropylbenzene	U		0.126	0.500	1	05/03/2019 17:00	WG1275813
p-Isopropyltoluene	U		0.138	0.500	1	05/03/2019 17:00	WG1275813
2-Butanone (MEK)	U		1.28	5.00	1	05/03/2019 17:00	WG1275813

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	05/03/2019 17:00	WG1275813
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	05/03/2019 17:00	WG1275813
Methyl tert-butyl ether	U		0.102	0.500	1	05/03/2019 17:00	WG1275813
Naphthalene	U	J0	0.174	2.50	1	05/03/2019 17:00	WG1275813
n-Propylbenzene	U		0.162	0.500	1	05/03/2019 17:00	WG1275813
Styrene	U		0.117	0.500	1	05/03/2019 17:00	WG1275813
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	05/03/2019 17:00	WG1275813
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	05/03/2019 17:00	WG1275813
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	05/03/2019 17:00	WG1275813
Tetrachloroethene	U		0.199	0.500	1	05/03/2019 17:00	WG1275813
Toluene	U		0.412	0.500	1	05/03/2019 17:00	WG1275813
1,2,3-Trichlorobenzene	U		0.164	0.500	1	05/03/2019 17:00	WG1275813
1,2,4-Trichlorobenzene	U		0.355	0.500	1	05/03/2019 17:00	WG1275813
1,1,1-Trichloroethane	U		0.0940	0.500	1	05/03/2019 17:00	WG1275813
1,1,2-Trichloroethane	U		0.186	0.500	1	05/03/2019 17:00	WG1275813
Trichloroethene	U		0.153	0.500	1	05/03/2019 17:00	WG1275813
Trichlorofluoromethane	U	J0	0.130	2.50	1	05/03/2019 17:00	WG1275813
1,2,3-Trichloropropane	U		0.247	2.50	1	05/03/2019 17:00	WG1275813
1,2,4-Trimethylbenzene	U		0.123	0.500	1	05/03/2019 17:00	WG1275813
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	05/03/2019 17:00	WG1275813
1,3,5-Trimethylbenzene	U		0.124	0.500	1	05/03/2019 17:00	WG1275813
Vinyl acetate	U	J0	0.645	5.00	1	05/03/2019 17:00	WG1275813
Vinyl chloride	U	J0 J4	0.118	0.500	1	05/03/2019 17:00	WG1275813
Xylenes, Total	U		0.316	1.50	1	05/03/2019 17:00	WG1275813
(S) Toluene-d8	*98.6*			*80.0-120*		*05/03/2019 17:00*	WG1275813
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*05/03/2019 17:00*	WG1275813
(S) 1,2-Dichloroethane-d4	*98.3*			*70.0-130*		*05/03/2019 17:00*	WG1275813

Method Blank (MB)

(MB) R3409108-1 05/07/19 18:19

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Alkalinity	5510	J	2710	20000

Sample Narrative:
BLANK: Endpoint pH 4.5

L1094450-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1094450-09 05/07/19 22:02 • (DUP) R3409108-4 05/08/19 07:27

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	555000	547000	1	1.40		20

Sample Narrative:
OS: Endpoint pH 4.5
DUP: Endpoint pH 4.5

L1093607-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1093607-01 05/07/19 18:36 • (DUP) R3409108-2 05/07/19 18:44

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	ND	15700	1	0.000		20

Sample Narrative:
OS: Endpoint pH 4.5
DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3409108-3 05/07/19 20:31

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) R3407729-1 05/02/19 09:54

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

L1094387-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1094387-06 05/02/19 11:27 • (DUP) R3407729-3 05/02/19 11:41

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	25500	25600	1	0.444		15
Nitrate	U	0.000	1	0.000		15
Sulfate	12200	12200	1	0.406		15

L1094414-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1094414-03 05/02/19 16:43 • (DUP) R3407729-6 05/02/19 16:58

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	80.6	0.000	1	200	P1	15
Nitrate	U	0.000	1	0.000		15
Sulfate	U	0.000	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R3407729-2 05/02/19 10:08

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40000	40100	100	80.0-120	
Nitrate	8000	8050	101	80.0-120	
Sulfate	40000	40500	101	80.0-120	

L1094387-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1094387-06 05/02/19 11:27 • (MS) R3407729-4 05/02/19 11:55 • (MSD) R3407729-5 05/02/19 12:09

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 %
Chloride	50000	25500	73800	73800	96.5	96.7	1	80.0-120			0.0809	15
Nitrate	5000	U	4620	4630	92.4	92.6	1	80.0-120			0.195	15
Sulfate	50000	12200	60300	60300	96.3	96.3	1	80.0-120			0.0128	15

L1094414-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1094414-03 05/02/19 16:43 • (MS) R3407729-7 05/02/19 17:12

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	80.6	49600	99.0	1	80.0-120	
Nitrate	5000	U	4830	96.5	1	80.0-120	
Sulfate	50000	U	48800	97.5	1	80.0-120	

Method Blank (MB)

(MB) R3407790-1 05/02/19 12:07

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	198	J	102	1000

L1094181-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1094181-11 05/02/19 17:08 • (DUP) R3407790-5 05/02/19 17:25

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	1970	1890	1	4.14		20

L1094387-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1094387-06 05/02/19 21:22 • (DUP) R3407790-8 05/02/19 21:39

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	1580	1610	1	2.07		20

Laboratory Control Sample (LCS)

(LCS) R3407790-2 05/02/19 12:43

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75000	76500	102	85.0-115	

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) • (MS) R3407790-3 05/02/19 14:17 • (MSD) R3407790-4 05/02/19 14:41

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50000		2550000	2590000	85.1	89.3	20	80.0-120	E	E	1.64	20

L1094377-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1094377-02 05/02/19 20:04 • (MS) R3407790-6 05/02/19 20:25 • (MSD) R3407790-7 05/02/19 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 %
TOC (Total Organic Carbon)	50000	3870	53800	54200	99.9	101	1	80.0-120			0.630	20

Method Blank (MB)

(MB) R3410561-1 05/12/19 20:24

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) R3410561-2 05/12/19 20:30 • (LCSD) R3410561-3 05/12/19 20:35

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Iron	500	515	470	103	94.0	80.0-120			9.08	20
Manganese	50.0	49.3	47.8	98.5	95.6	80.0-120			3.05	20

L1094065-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1094065-01 05/12/19 20:40 • (MS) R3410561-5 05/12/19 20:51 • (MSD) R3410561-6 05/12/19 20:56

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	200000	189000	185000	0.000	0.000	1	75.0-125	V	V	2.08	20
Manganese	50.0	5360	5190	4990	0.000	0.000	1	75.0-125	V	V	3.94	20

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) R3409706-1 05/09/19 11:19

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

L1094039-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1094039-01 05/09/19 11:34 • (DUP) R3409706-2 05/09/19 11:36

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	221	79.2	1	94.5		20
Ethane	ND	0.000	1	0.000		20
Ethene	ND	0.000	1	0.000		20

L1094407-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1094407-05 05/09/19 12:59 • (DUP) R3409706-3 05/09/19 13:02

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	519	536	1	3.25		20
Ethane	ND	0.000	1	0.000		20
Ethene	ND	0.000	1	0.000		20

L1095146-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1095146-01 05/09/19 13:38 • (DUP) R3409706-4 05/09/19 13:48

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	4330	4280	1	1.22		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) R3409706-5 05/09/19 13:51 • (LCSD) R3409706-6 05/09/19 13:57

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methane	67.8	78.0	73.3	115	108	85.0-115			6.21	20
Ethane	129	120	115	93.0	89.2	85.0-115			4.26	20
Ethene	127	119	114	93.9	89.9	85.0-115			4.37	20

Method Blank (MB)

(MB) R3409768-4 05/09/19 16:33

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) R3409768-2 05/09/19 16:38 • (LCSD) R3409768-3 05/09/19 16:51

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	76.4	75.7	113	112	85.0-115			0.878	20

Method Blank (MB)

(MB) R3408279-3 05/03/19 10:11

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

Method Blank (MB)

(MB) R3408279-3 05/03/19 10:11

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	0.354	J	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	0.204	J	0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,2,4-Trimethylbenzene	U		0.123	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*96.9*			*80.0-120*
(S) 4-Bromofluorobenzene	*109*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*95.5*			*70.0-130*

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

(LCS) R3408279-1 05/03/19 09:11 • (LCSD) R3408279-2 05/03/19 09:31

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromochloromethane	25.0	23.6	23.2	94.4	92.7	76.0-122			1.83	20
Carbon disulfide	25.0	30.4	27.8	122	111	61.0-128			8.91	20
Acetone	125	219	178	175	143	19.0-160	J4		20.2	27
Acrylonitrile	125	158	150	126	120	55.0-149			4.85	20
Benzene	25.0	25.8	25.3	103	101	70.0-123			1.86	20
Bromobenzene	25.0	23.5	22.3	94.1	89.2	73.0-121			5.42	20
Bromodichloromethane	25.0	22.8	23.0	91.1	92.0	75.0-120			0.918	20
Bromoform	25.0	25.6	25.6	103	102	68.0-132			0.0628	20
Bromomethane	25.0	13.6	14.7	54.4	58.7	10.0-160			7.66	25
trans-1,4-Dichloro-2-butene	25.0	21.8	21.0	87.1	83.8	33.0-144			3.80	20
n-Butylbenzene	25.0	20.8	20.4	83.4	81.5	73.0-125			2.25	20
sec-Butylbenzene	25.0	21.8	21.3	87.3	85.1	75.0-125			2.54	20
tert-Butylbenzene	25.0	22.7	22.0	90.9	87.8	76.0-124			3.40	20
2-Hexanone	125	136	141	109	113	67.0-149			3.52	20
Carbon tetrachloride	25.0	23.9	23.2	95.5	92.8	68.0-126			2.86	20
Chlorobenzene	25.0	23.1	22.3	92.6	89.4	80.0-121			3.55	20
n-Hexane	25.0	30.4	26.5	122	106	57.0-133			13.6	20
Chlorodibromomethane	25.0	23.3	22.7	93.2	90.6	77.0-125			2.80	20
Iodomethane	125	136	128	109	103	33.0-147			5.82	26
Chloroethane	25.0	15.9	14.4	63.6	57.6	47.0-150			9.85	20
Chloroform	25.0	21.9	21.6	87.7	86.4	73.0-120			1.44	20
Chloromethane	25.0	23.0	22.7	92.1	90.9	41.0-142			1.34	20
2-Chlorotoluene	25.0	22.3	21.0	89.2	84.1	76.0-123			5.95	20
4-Chlorotoluene	25.0	22.4	21.7	89.8	86.7	75.0-122			3.49	20
1,2-Dibromo-3-Chloropropane	25.0	23.9	24.2	95.8	96.7	58.0-134			0.974	20
1,2-Dibromoethane	25.0	22.3	21.9	89.3	87.4	80.0-122			2.13	20
Dibromomethane	25.0	22.5	22.8	90.2	91.2	80.0-120			1.13	20
1,2-Dichlorobenzene	25.0	22.6	21.9	90.5	87.6	79.0-121			3.21	20
1,3-Dichlorobenzene	25.0	22.3	21.3	89.4	85.0	79.0-120			5.00	20
1,4-Dichlorobenzene	25.0	21.3	20.8	85.4	83.1	79.0-120			2.71	20
Dichlorodifluoromethane	25.0	23.6	23.1	94.4	92.3	51.0-149			2.24	20
1,1-Dichloroethane	25.0	25.7	24.0	103	96.0	70.0-126			6.87	20
1,2-Dichloroethane	25.0	21.7	21.4	86.9	85.7	70.0-128			1.44	20
1,1-Dichloroethene	25.0	26.0	24.4	104	97.5	71.0-124			6.63	20
cis-1,2-Dichloroethene	25.0	24.0	23.2	96.1	93.0	73.0-120			3.33	20
trans-1,2-Dichloroethene	25.0	25.7	23.4	103	93.6	73.0-120			9.57	20
1,2-Dichloropropane	25.0	26.0	26.5	104	106	77.0-125			1.81	20
1,1-Dichloropropene	25.0	24.8	23.8	99.0	95.4	74.0-126			3.76	20
1,3-Dichloropropane	25.0	23.4	23.8	93.7	95.1	80.0-120			1.44	20
cis-1,3-Dichloropropene	25.0	23.2	23.2	92.9	92.6	80.0-123			0.332	20

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

(LCS) R3408279-1 05/03/19 09:11 • (LCSD) R3408279-2 05/03/19 09:31

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Vinyl acetate	125	73.8	88.3	59.0	70.6	11.0-160			17.8	20
trans-1,3-Dichloropropene	25.0	22.1	22.2	88.6	88.9	78.0-124			0.338	20
2,2-Dichloropropane	25.0	27.7	26.5	111	106	58.0-130			4.72	20
Di-isopropyl ether	25.0	30.0	26.8	120	107	58.0-138			11.3	20
Ethylbenzene	25.0	23.3	22.6	93.2	90.5	79.0-123			3.03	20
Hexachloro-1,3-butadiene	25.0	25.3	26.0	101	104	54.0-138			2.57	20
Isopropylbenzene	25.0	24.3	24.0	97.1	96.1	76.0-127			1.00	20
p-Isopropyltoluene	25.0	22.2	21.5	88.7	86.0	76.0-125			3.11	20
2-Butanone (MEK)	125	158	157	126	126	44.0-160			0.414	20
Methylene Chloride	25.0	26.5	23.3	106	93.4	67.0-120			12.5	20
4-Methyl-2-pentanone (MIBK)	125	133	140	107	112	68.0-142			4.67	20
Methyl tert-butyl ether	25.0	26.1	23.2	104	92.9	68.0-125			11.5	20
Naphthalene	25.0	19.8	21.0	79.2	83.9	54.0-135			5.77	20
n-Propylbenzene	25.0	22.1	21.0	88.5	83.8	77.0-124			5.39	20
Styrene	25.0	26.2	26.0	105	104	73.0-130			0.613	20
1,1,1,2-Tetrachloroethane	25.0	23.0	22.5	92.0	90.0	75.0-125			2.14	20
1,1,2,2-Tetrachloroethane	25.0	20.9	20.3	83.5	81.4	65.0-130			2.55	20
Tetrachloroethene	25.0	23.8	23.6	95.2	94.3	72.0-132			0.966	20
Toluene	25.0	25.2	24.2	101	96.6	79.0-120			4.17	20
1,1,2-Trichlorotrifluoroethane	25.0	24.4	22.9	97.5	91.7	69.0-132			6.13	20
1,2,3-Trichlorobenzene	25.0	20.8	21.9	83.3	87.5	50.0-138			4.93	20
1,2,4-Trichlorobenzene	25.0	22.0	22.1	87.8	88.4	57.0-137			0.723	20
1,1,1-Trichloroethane	25.0	24.0	23.4	96.1	93.6	73.0-124			2.65	20
1,1,2-Trichloroethane	25.0	21.3	21.5	85.1	86.2	80.0-120			1.29	20
Trichloroethene	25.0	26.0	24.9	104	99.8	78.0-124			4.20	20
Trichlorofluoromethane	25.0	15.9	15.1	63.4	60.4	59.0-147			4.90	20
1,2,3-Trichloropropane	25.0	20.1	19.3	80.6	77.2	73.0-130			4.21	20
1,2,3-Trimethylbenzene	25.0	21.4	20.8	85.7	83.1	77.0-120			3.06	20
1,2,4-Trimethylbenzene	25.0	21.8	20.7	87.2	82.9	76.0-121			4.96	20
1,3,5-Trimethylbenzene	25.0	22.1	21.1	88.2	84.4	76.0-122			4.41	20
Vinyl chloride	25.0	16.6	16.2	66.5	64.6	67.0-131	J4	J4	2.92	20
Xylenes, Total	75.0	71.1	69.3	94.8	92.4	79.0-123			2.56	20
(S) Toluene-d8				*98.5*	*96.4*	*80.0-120*				
(S) 4-Bromofluorobenzene				*107*	*110*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*96.5*	*94.6*	*70.0-130*				

Method Blank (MB)

(MB) R3408889-3 05/05/19 09:45

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
cis-1,2-Dichloroethene	U		0.0933	0.500
Tetrachloroethene	U		0.199	0.500
Vinyl chloride	U		0.118	0.500
(S) Toluene-d8	*97.6*			*80.0-120*
(S) 4-Bromofluorobenzene	*104*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*95.4*			*70.0-130*

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

(LCS) R3408889-1 05/05/19 08:45 • (LCSD) R3408889-2 05/05/19 09:05

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
cis-1,2-Dichloroethene	25.0	26.5	26.9	106	107	73.0-120			1.21	20
Tetrachloroethene	25.0	25.6	27.0	103	108	72.0-132			5.20	20
Vinyl chloride	25.0	23.4	23.7	93.8	94.8	67.0-131			1.12	20
(S) Toluene-d8				*96.1*	*102*	*80.0-120*				
(S) 4-Bromofluorobenzene				*100*	*108*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*90.9*	*96.1*	*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.
J4	The associated batch QC was outside the established quality control range for accuracy.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
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

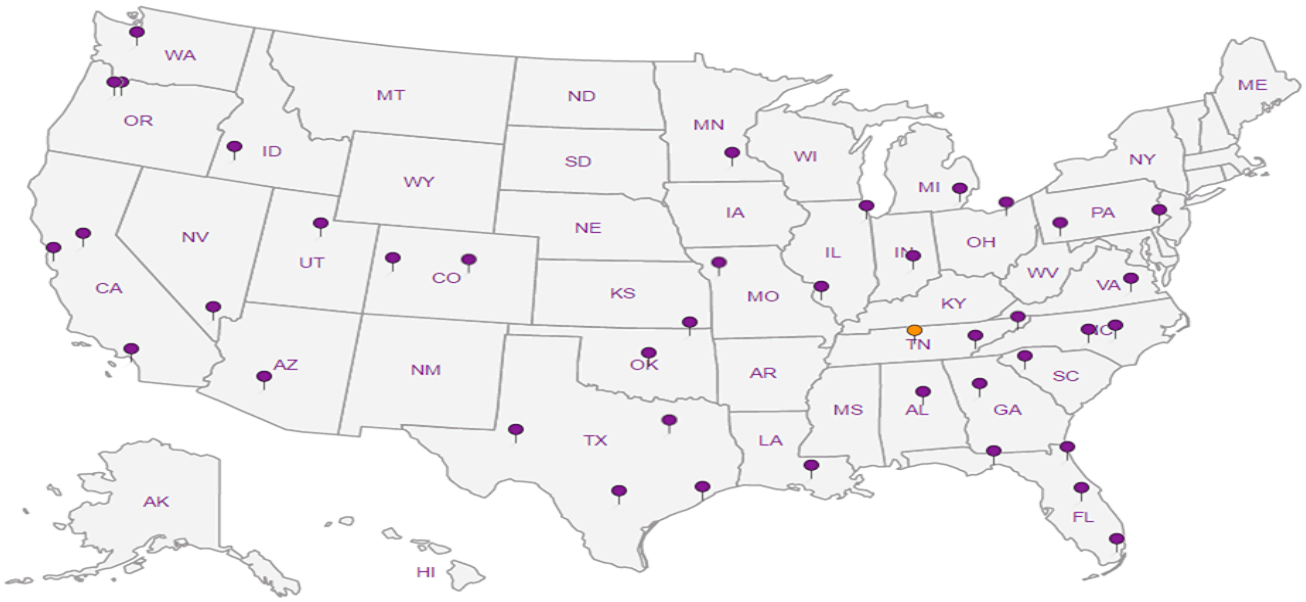
Third Party Federal Accreditations

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

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

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

Project Description: American Linen

City/State Collected: Seattle, WA

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

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): 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: STAT

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date (4/29/19)	Time	No. of Cntrs	NWTPHGX 40mlAmb HCl	VOCs 8260LLC 40mlAmb-HCl	2	NO3, SO4, Cl (125mL)	Alkalinity (125mL)	RSK175 (40mL)	TOC Fe 250mL	Total Fe Mn 6020	V			Remarks	Sample # (lab only)
MW109-042919	Grab	GW	40	4/29/19	0845	3		X											-01
MW108-042919		GW	45	4/29/19	0950	3		X											-02
MW126-042919		GW	90		1045	3		X											-03
MW119-042919		GW	40		1220	3		X											-04
MW121-042919	↓	GW	20	↓	1335	6	X	X											-05
MW-161-050119	Grab	GW	125	5/1/19	0925	12	X	X	X	X	X	X	X	X					-06
MW107-050119	↓	GW	~~11.40~~ 40		1110	12	X	X	X	X	X	X	X	X					-07
FMW-129-050119	↓	GW	87		1400	3		X											-08
TRIP BLANK-050119	-	GW	-		-	1	X	X											-09
		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# 4094387

A006

Acctnum: PESENVSWA
Template: T149294
Prelogin: P704872
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: Tier 2 lab QA/QC, email

pH _____ Temp _____

Flow _____ Other _____

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

Tracking # 4686 6469 9419

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
	5-1-19	16:00		1	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
	5-1-19	16:30		2.2 0.1 2.1 PM AS 45	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date:	Time:	Hold:	Condition: NCF / OK
				5-2-19	8:45		

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

May 13, 2019

PES Environmental, Inc.- WA

Sample Delivery Group:	L1094414
Samples Received:	05/02/2019
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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MW102-050119 L1094414-01 GW

Collected by: K. Zygas | Collected date/time: 05/01/19 09:45 | Received date/time: 05/02/19 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1276579	1	05/08/19 17:18	05/08/19 17:18	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1274986	1	05/02/19 15:46	05/02/19 15:46	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1275310	1	05/03/19 13:44	05/03/19 13:44	EEM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1275858	1	05/07/19 10:24	05/12/19 22:21	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1275218	1	05/02/19 20:52	05/02/19 20:52	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1277421	1	05/09/19 13:12	05/09/19 13:12	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1275905	1	05/04/19 01:24	05/04/19 01:24	JAH	Mt. Juliet, TN

MW160-050119 L1094414-02 GW

Collected by: K. Zygas | Collected date/time: 05/01/19 12:20 | Received date/time: 05/02/19 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1276579	1	05/08/19 17:25	05/08/19 17:25	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1274986	1	05/02/19 16:00	05/02/19 16:00	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1275310	1	05/03/19 13:56	05/03/19 13:56	EEM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1275858	1	05/07/19 10:24	05/12/19 22:26	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1275218	1	05/02/19 21:16	05/02/19 21:16	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1277421	1	05/09/19 13:14	05/09/19 13:14	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1275905	1	05/04/19 01:44	05/04/19 01:44	JAH	Mt. Juliet, TN

EQ-050119 L1094414-03 GW

Collected by: K. Zygas | Collected date/time: 05/01/19 14:29 | Received date/time: 05/02/19 08:30

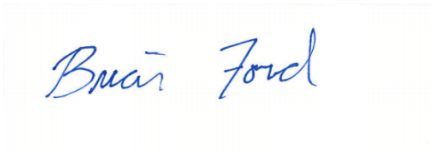
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1276579	1	05/08/19 17:51	05/08/19 17:51	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1274986	1	05/02/19 16:43	05/02/19 16:43	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1275310	1	05/03/19 14:22	05/03/19 14:22	EEM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1275858	1	05/07/19 10:24	05/12/19 22:32	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1275218	1	05/02/19 21:40	05/02/19 21:40	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1277421	1	05/09/19 13:17	05/09/19 13:17	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1275905	1	05/03/19 23:23	05/03/19 23:23	JAH	Mt. Juliet, TN

TRIP BLANK-050119 L1094414-04 GW

Collected by: K. Zygas | Collected date/time: 05/01/19 00:00 | Received date/time: 05/02/19 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1275218	1	05/02/19 18:04	05/02/19 18:04	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1277193	1	05/07/19 14:40	05/07/19 14:40	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

Sample Handling and Receiving

The following analysis were performed from an unpreserved, insufficiently or inadequately preserved sample.

Lab Sample ID	Project Sample ID	Method
L1094414-03	EQ-050119	9060A

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	173000		2710	20000	1	05/08/2019 17:18	WG1276579

Sample Narrative:

L1094414-01 WG1276579: 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	5390		51.9	1000	1	05/02/2019 15:46	WG1274986
Nitrate	U		22.7	100	1	05/02/2019 15:46	WG1274986
Sulfate	318	J	77.4	5000	1	05/02/2019 15:46	WG1274986

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)	3750		102	1000	1	05/03/2019 13:44	WG1275310

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	11900		15.0	100	1	05/12/2019 22:21	WG1275858
Manganese	405		0.250	5.00	1	05/12/2019 22:21	WG1275858

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	05/02/2019 20:52	WG1275218
(S) a,a,a-Trifluorotoluene(FID)	*98.7*			*78.0-120*		*05/02/2019 20:52*	WG1275218

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	255		0.287	0.678	1	05/09/2019 13:12	WG1277421
Ethane	1.07	J	0.296	1.29	1	05/09/2019 13:12	WG1277421
Ethene	U		0.422	1.27	1	05/09/2019 13:12	WG1277421

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	1.75	B J J0	1.05	25.0	1	05/04/2019 01:24	WG1275905
Acrylonitrile	U		0.873	5.00	1	05/04/2019 01:24	WG1275905
Benzene	U		0.0896	0.500	1	05/04/2019 01:24	WG1275905
Bromobenzene	U		0.133	0.500	1	05/04/2019 01:24	WG1275905
Bromodichloromethane	U		0.0800	0.500	1	05/04/2019 01:24	WG1275905
Bromochloromethane	U		0.145	0.500	1	05/04/2019 01:24	WG1275905
Bromoform	U		0.186	0.500	1	05/04/2019 01:24	WG1275905
Bromomethane	U	J0	0.157	2.50	1	05/04/2019 01:24	WG1275905
n-Butylbenzene	U		0.143	0.500	1	05/04/2019 01:24	WG1275905
sec-Butylbenzene	U		0.134	0.500	1	05/04/2019 01:24	WG1275905
tert-Butylbenzene	U		0.183	0.500	1	05/04/2019 01:24	WG1275905
Carbon disulfide	0.158	J	0.101	0.500	1	05/04/2019 01:24	WG1275905
Carbon tetrachloride	U		0.159	0.500	1	05/04/2019 01:24	WG1275905

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	05/04/2019 01:24	WG1275905
Chlorodibromomethane	U		0.128	0.500	1	05/04/2019 01:24	WG1275905
Chloroethane	U	J0	0.141	2.50	1	05/04/2019 01:24	WG1275905
Chloroform	U		0.0860	0.500	1	05/04/2019 01:24	WG1275905
Chloromethane	U		0.153	1.25	1	05/04/2019 01:24	WG1275905
2-Chlorotoluene	U		0.111	0.500	1	05/04/2019 01:24	WG1275905
4-Chlorotoluene	U		0.0972	0.500	1	05/04/2019 01:24	WG1275905
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	05/04/2019 01:24	WG1275905
1,2-Dibromoethane	U		0.193	0.500	1	05/04/2019 01:24	WG1275905
Dibromomethane	U		0.117	0.500	1	05/04/2019 01:24	WG1275905
1,2-Dichlorobenzene	U		0.101	0.500	1	05/04/2019 01:24	WG1275905
1,3-Dichlorobenzene	U		0.130	0.500	1	05/04/2019 01:24	WG1275905
1,4-Dichlorobenzene	U		0.121	0.500	1	05/04/2019 01:24	WG1275905
Dichlorodifluoromethane	U		0.127	2.50	1	05/04/2019 01:24	WG1275905
1,1-Dichloroethane	U		0.114	0.500	1	05/04/2019 01:24	WG1275905
1,2-Dichloroethane	U		0.108	0.500	1	05/04/2019 01:24	WG1275905
1,1-Dichloroethene	U		0.188	0.500	1	05/04/2019 01:24	WG1275905
cis-1,2-Dichloroethene	U		0.0933	0.500	1	05/04/2019 01:24	WG1275905
trans-1,2-Dichloroethene	U		0.152	0.500	1	05/04/2019 01:24	WG1275905
1,2-Dichloropropane	U		0.190	0.500	1	05/04/2019 01:24	WG1275905
1,1-Dichloropropene	U		0.128	0.500	1	05/04/2019 01:24	WG1275905
1,3-Dichloropropane	U		0.147	1.00	1	05/04/2019 01:24	WG1275905
cis-1,3-Dichloropropene	U		0.0976	0.500	1	05/04/2019 01:24	WG1275905
trans-1,3-Dichloropropene	U		0.222	0.500	1	05/04/2019 01:24	WG1275905
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	05/04/2019 01:24	WG1275905
2,2-Dichloropropane	U		0.0929	0.500	1	05/04/2019 01:24	WG1275905
Di-isopropyl ether	U		0.0924	0.500	1	05/04/2019 01:24	WG1275905
Ethylbenzene	U		0.158	0.500	1	05/04/2019 01:24	WG1275905
Hexachloro-1,3-butadiene	U		0.157	1.00	1	05/04/2019 01:24	WG1275905
2-Hexanone	U		0.757	5.00	1	05/04/2019 01:24	WG1275905
n-Hexane	U		0.305	5.00	1	05/04/2019 01:24	WG1275905
Iodomethane	U		0.377	10.0	1	05/04/2019 01:24	WG1275905
Isopropylbenzene	U		0.126	0.500	1	05/04/2019 01:24	WG1275905
p-Isopropyltoluene	U		0.138	0.500	1	05/04/2019 01:24	WG1275905
2-Butanone (MEK)	U		1.28	5.00	1	05/04/2019 01:24	WG1275905
Methylene Chloride	U		1.07	2.50	1	05/04/2019 01:24	WG1275905
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	05/04/2019 01:24	WG1275905
Methyl tert-butyl ether	U		0.102	0.500	1	05/04/2019 01:24	WG1275905
Naphthalene	U		0.174	2.50	1	05/04/2019 01:24	WG1275905
n-Propylbenzene	U		0.162	0.500	1	05/04/2019 01:24	WG1275905
Styrene	U		0.117	0.500	1	05/04/2019 01:24	WG1275905
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	05/04/2019 01:24	WG1275905
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	05/04/2019 01:24	WG1275905
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	05/04/2019 01:24	WG1275905
Tetrachloroethene	U		0.199	0.500	1	05/04/2019 01:24	WG1275905
Toluene	U		0.412	0.500	1	05/04/2019 01:24	WG1275905
1,2,3-Trichlorobenzene	U		0.164	0.500	1	05/04/2019 01:24	WG1275905
1,2,4-Trichlorobenzene	U		0.355	0.500	1	05/04/2019 01:24	WG1275905
1,1,1-Trichloroethane	U		0.0940	0.500	1	05/04/2019 01:24	WG1275905
1,1,2-Trichloroethane	U		0.186	0.500	1	05/04/2019 01:24	WG1275905
Trichloroethene	U		0.153	0.500	1	05/04/2019 01:24	WG1275905
Trichlorofluoromethane	U	J0	0.130	2.50	1	05/04/2019 01:24	WG1275905
1,2,3-Trichloropropane	U		0.247	2.50	1	05/04/2019 01:24	WG1275905
1,2,4-Trimethylbenzene	U		0.123	0.500	1	05/04/2019 01:24	WG1275905
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	05/04/2019 01:24	WG1275905
1,3,5-Trimethylbenzene	U		0.124	0.500	1	05/04/2019 01:24	WG1275905

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	05/04/2019 01:24	WG1275905
Vinyl chloride	U	J0	0.118	0.500	1	05/04/2019 01:24	WG1275905
Xylenes, Total	U		0.316	1.50	1	05/04/2019 01:24	WG1275905
(S) Toluene-d8	*98.8*			*80.0-120*		*05/04/2019 01:24*	WG1275905
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*05/04/2019 01:24*	WG1275905
(S) 1,2-Dichloroethane-d4	*96.6*			*70.0-130*		*05/04/2019 01:24*	WG1275905

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	197000		2710	20000	1	05/08/2019 17:25	WG1276579

Sample Narrative:

L1094414-02 WG1276579: 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	10500		51.9	1000	1	05/02/2019 16:00	WG1274986
Nitrate	U		22.7	100	1	05/02/2019 16:00	WG1274986
Sulfate	1260	J	77.4	5000	1	05/02/2019 16:00	WG1274986

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)	3790		102	1000	1	05/03/2019 13:56	WG1275310

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	4600		15.0	100	1	05/12/2019 22:26	WG1275858
Manganese	387		0.250	5.00	1	05/12/2019 22:26	WG1275858

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 21:16	WG1275218
(S) a,a,a-Trifluorotoluene(FID)	*98.5*			*78.0-120*		*05/02/2019 21:16*	WG1275218

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	1070		0.287	0.678	1	05/09/2019 13:14	WG1277421
Ethane	4.41		0.296	1.29	1	05/09/2019 13:14	WG1277421
Ethene	U		0.422	1.27	1	05/09/2019 13:14	WG1277421

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	4.06	B J J0	1.05	25.0	1	05/04/2019 01:44	WG1275905
Acrylonitrile	U		0.873	5.00	1	05/04/2019 01:44	WG1275905
Benzene	U		0.0896	0.500	1	05/04/2019 01:44	WG1275905
Bromobenzene	U		0.133	0.500	1	05/04/2019 01:44	WG1275905
Bromodichloromethane	U		0.0800	0.500	1	05/04/2019 01:44	WG1275905
Bromochloromethane	U		0.145	0.500	1	05/04/2019 01:44	WG1275905
Bromoform	U		0.186	0.500	1	05/04/2019 01:44	WG1275905
Bromomethane	U	J0	0.157	2.50	1	05/04/2019 01:44	WG1275905
n-Butylbenzene	U		0.143	0.500	1	05/04/2019 01:44	WG1275905
sec-Butylbenzene	U		0.134	0.500	1	05/04/2019 01:44	WG1275905
tert-Butylbenzene	U		0.183	0.500	1	05/04/2019 01:44	WG1275905
Carbon disulfide	U		0.101	0.500	1	05/04/2019 01:44	WG1275905
Carbon tetrachloride	U		0.159	0.500	1	05/04/2019 01:44	WG1275905

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	05/04/2019 01:44	WG1275905
Chlorodibromomethane	U		0.128	0.500	1	05/04/2019 01:44	WG1275905
Chloroethane	U	J0	0.141	2.50	1	05/04/2019 01:44	WG1275905
Chloroform	U		0.0860	0.500	1	05/04/2019 01:44	WG1275905
Chloromethane	U		0.153	1.25	1	05/04/2019 01:44	WG1275905
2-Chlorotoluene	U		0.111	0.500	1	05/04/2019 01:44	WG1275905
4-Chlorotoluene	U		0.0972	0.500	1	05/04/2019 01:44	WG1275905
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	05/04/2019 01:44	WG1275905
1,2-Dibromoethane	U		0.193	0.500	1	05/04/2019 01:44	WG1275905
Dibromomethane	U		0.117	0.500	1	05/04/2019 01:44	WG1275905
1,2-Dichlorobenzene	U		0.101	0.500	1	05/04/2019 01:44	WG1275905
1,3-Dichlorobenzene	U		0.130	0.500	1	05/04/2019 01:44	WG1275905
1,4-Dichlorobenzene	U		0.121	0.500	1	05/04/2019 01:44	WG1275905
Dichlorodifluoromethane	U		0.127	2.50	1	05/04/2019 01:44	WG1275905
1,1-Dichloroethane	U		0.114	0.500	1	05/04/2019 01:44	WG1275905
1,2-Dichloroethane	U		0.108	0.500	1	05/04/2019 01:44	WG1275905
1,1-Dichloroethene	U		0.188	0.500	1	05/04/2019 01:44	WG1275905
cis-1,2-Dichloroethene	2.58		0.0933	0.500	1	05/04/2019 01:44	WG1275905
trans-1,2-Dichloroethene	U		0.152	0.500	1	05/04/2019 01:44	WG1275905
1,2-Dichloropropane	U		0.190	0.500	1	05/04/2019 01:44	WG1275905
1,1-Dichloropropene	U		0.128	0.500	1	05/04/2019 01:44	WG1275905
1,3-Dichloropropane	U		0.147	1.00	1	05/04/2019 01:44	WG1275905
cis-1,3-Dichloropropene	U		0.0976	0.500	1	05/04/2019 01:44	WG1275905
trans-1,3-Dichloropropene	U		0.222	0.500	1	05/04/2019 01:44	WG1275905
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	05/04/2019 01:44	WG1275905
2,2-Dichloropropane	U		0.0929	0.500	1	05/04/2019 01:44	WG1275905
Di-isopropyl ether	U		0.0924	0.500	1	05/04/2019 01:44	WG1275905
Ethylbenzene	U		0.158	0.500	1	05/04/2019 01:44	WG1275905
Hexachloro-1,3-butadiene	U		0.157	1.00	1	05/04/2019 01:44	WG1275905
2-Hexanone	U		0.757	5.00	1	05/04/2019 01:44	WG1275905
n-Hexane	U		0.305	5.00	1	05/04/2019 01:44	WG1275905
Iodomethane	U		0.377	10.0	1	05/04/2019 01:44	WG1275905
Isopropylbenzene	U		0.126	0.500	1	05/04/2019 01:44	WG1275905
p-Isopropyltoluene	U		0.138	0.500	1	05/04/2019 01:44	WG1275905
2-Butanone (MEK)	U		1.28	5.00	1	05/04/2019 01:44	WG1275905
Methylene Chloride	U		1.07	2.50	1	05/04/2019 01:44	WG1275905
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	05/04/2019 01:44	WG1275905
Methyl tert-butyl ether	U		0.102	0.500	1	05/04/2019 01:44	WG1275905
Naphthalene	U		0.174	2.50	1	05/04/2019 01:44	WG1275905
n-Propylbenzene	U		0.162	0.500	1	05/04/2019 01:44	WG1275905
Styrene	U		0.117	0.500	1	05/04/2019 01:44	WG1275905
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	05/04/2019 01:44	WG1275905
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	05/04/2019 01:44	WG1275905
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	05/04/2019 01:44	WG1275905
Tetrachloroethene	U		0.199	0.500	1	05/04/2019 01:44	WG1275905
Toluene	U		0.412	0.500	1	05/04/2019 01:44	WG1275905
1,2,3-Trichlorobenzene	U		0.164	0.500	1	05/04/2019 01:44	WG1275905
1,2,4-Trichlorobenzene	U		0.355	0.500	1	05/04/2019 01:44	WG1275905
1,1,1-Trichloroethane	U		0.0940	0.500	1	05/04/2019 01:44	WG1275905
1,1,2-Trichloroethane	U		0.186	0.500	1	05/04/2019 01:44	WG1275905
Trichloroethene	0.513		0.153	0.500	1	05/04/2019 01:44	WG1275905
Trichlorofluoromethane	U	J0	0.130	2.50	1	05/04/2019 01:44	WG1275905
1,2,3-Trichloropropane	U		0.247	2.50	1	05/04/2019 01:44	WG1275905
1,2,4-Trimethylbenzene	U		0.123	0.500	1	05/04/2019 01:44	WG1275905
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	05/04/2019 01:44	WG1275905
1,3,5-Trimethylbenzene	U		0.124	0.500	1	05/04/2019 01:44	WG1275905

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	05/04/2019 01:44	WG1275905
Vinyl chloride	U	J0	0.118	0.500	1	05/04/2019 01:44	WG1275905
Xylenes, Total	U		0.316	1.50	1	05/04/2019 01:44	WG1275905
(S) Toluene-d8	*95.9*			*80.0-120*		*05/04/2019 01:44*	WG1275905
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*05/04/2019 01:44*	WG1275905
(S) 1,2-Dichloroethane-d4	*98.6*			*70.0-130*		*05/04/2019 01:44*	WG1275905

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	9960	B J	2710	20000	1	05/08/2019 17:51	WG1276579

Sample Narrative:

L1094414-03 WG1276579: 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	80.6	J P1	51.9	1000	1	05/02/2019 16:43	WG1274986
Nitrate	U		22.7	100	1	05/02/2019 16:43	WG1274986
Sulfate	U		77.4	5000	1	05/02/2019 16:43	WG1274986

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)	299	B J	102	1000	1	05/03/2019 14:22	WG1275310

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	39.8	J	15.0	100	1	05/12/2019 22:32	WG1275858
Manganese	2.10	J	0.250	5.00	1	05/12/2019 22:32	WG1275858

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	05/02/2019 21:40	WG1275218
(S) a,a,a-Trifluorotoluene(FID)	*98.5*			*78.0-120*		*05/02/2019 21:40*	WG1275218

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	U		0.287	0.678	1	05/09/2019 13:17	WG1277421
Ethane	U		0.296	1.29	1	05/09/2019 13:17	WG1277421
Ethene	U		0.422	1.27	1	05/09/2019 13:17	WG1277421

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	5.67	B J J0	1.05	25.0	1	05/03/2019 23:23	WG1275905
Acrylonitrile	U		0.873	5.00	1	05/03/2019 23:23	WG1275905
Benzene	U		0.0896	0.500	1	05/03/2019 23:23	WG1275905
Bromobenzene	U		0.133	0.500	1	05/03/2019 23:23	WG1275905
Bromodichloromethane	0.344	J	0.0800	0.500	1	05/03/2019 23:23	WG1275905
Bromochloromethane	U		0.145	0.500	1	05/03/2019 23:23	WG1275905
Bromoform	U		0.186	0.500	1	05/03/2019 23:23	WG1275905
Bromomethane	U	J0	0.157	2.50	1	05/03/2019 23:23	WG1275905
n-Butylbenzene	U		0.143	0.500	1	05/03/2019 23:23	WG1275905
sec-Butylbenzene	U		0.134	0.500	1	05/03/2019 23:23	WG1275905
tert-Butylbenzene	U		0.183	0.500	1	05/03/2019 23:23	WG1275905
Carbon disulfide	U		0.101	0.500	1	05/03/2019 23:23	WG1275905
Carbon tetrachloride	U		0.159	0.500	1	05/03/2019 23:23	WG1275905

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	05/03/2019 23:23	WG1275905
Chlorodibromomethane	0.200	J	0.128	0.500	1	05/03/2019 23:23	WG1275905
Chloroethane	U	J0	0.141	2.50	1	05/03/2019 23:23	WG1275905
Chloroform	0.470	J	0.0860	0.500	1	05/03/2019 23:23	WG1275905
Chloromethane	U		0.153	1.25	1	05/03/2019 23:23	WG1275905
2-Chlorotoluene	U		0.111	0.500	1	05/03/2019 23:23	WG1275905
4-Chlorotoluene	U		0.0972	0.500	1	05/03/2019 23:23	WG1275905
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	05/03/2019 23:23	WG1275905
1,2-Dibromoethane	U		0.193	0.500	1	05/03/2019 23:23	WG1275905
Dibromomethane	U		0.117	0.500	1	05/03/2019 23:23	WG1275905
1,2-Dichlorobenzene	U		0.101	0.500	1	05/03/2019 23:23	WG1275905
1,3-Dichlorobenzene	U		0.130	0.500	1	05/03/2019 23:23	WG1275905
1,4-Dichlorobenzene	U		0.121	0.500	1	05/03/2019 23:23	WG1275905
Dichlorodifluoromethane	U		0.127	2.50	1	05/03/2019 23:23	WG1275905
1,1-Dichloroethane	U		0.114	0.500	1	05/03/2019 23:23	WG1275905
1,2-Dichloroethane	U		0.108	0.500	1	05/03/2019 23:23	WG1275905
1,1-Dichloroethene	U		0.188	0.500	1	05/03/2019 23:23	WG1275905
cis-1,2-Dichloroethene	U		0.0933	0.500	1	05/03/2019 23:23	WG1275905
trans-1,2-Dichloroethene	U		0.152	0.500	1	05/03/2019 23:23	WG1275905
1,2-Dichloropropane	U		0.190	0.500	1	05/03/2019 23:23	WG1275905
1,1-Dichloropropene	U		0.128	0.500	1	05/03/2019 23:23	WG1275905
1,3-Dichloropropane	U		0.147	1.00	1	05/03/2019 23:23	WG1275905
cis-1,3-Dichloropropene	U		0.0976	0.500	1	05/03/2019 23:23	WG1275905
trans-1,3-Dichloropropene	U		0.222	0.500	1	05/03/2019 23:23	WG1275905
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	05/03/2019 23:23	WG1275905
2,2-Dichloropropane	U		0.0929	0.500	1	05/03/2019 23:23	WG1275905
Di-isopropyl ether	U		0.0924	0.500	1	05/03/2019 23:23	WG1275905
Ethylbenzene	U		0.158	0.500	1	05/03/2019 23:23	WG1275905
Hexachloro-1,3-butadiene	U		0.157	1.00	1	05/03/2019 23:23	WG1275905
2-Hexanone	U		0.757	5.00	1	05/03/2019 23:23	WG1275905
n-Hexane	U		0.305	5.00	1	05/03/2019 23:23	WG1275905
Iodomethane	U		0.377	10.0	1	05/03/2019 23:23	WG1275905
Isopropylbenzene	U		0.126	0.500	1	05/03/2019 23:23	WG1275905
p-Isopropyltoluene	U		0.138	0.500	1	05/03/2019 23:23	WG1275905
2-Butanone (MEK)	U		1.28	5.00	1	05/03/2019 23:23	WG1275905
Methylene Chloride	U		1.07	2.50	1	05/03/2019 23:23	WG1275905
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	05/03/2019 23:23	WG1275905
Methyl tert-butyl ether	U		0.102	0.500	1	05/03/2019 23:23	WG1275905
Naphthalene	U		0.174	2.50	1	05/03/2019 23:23	WG1275905
n-Propylbenzene	U		0.162	0.500	1	05/03/2019 23:23	WG1275905
Styrene	U		0.117	0.500	1	05/03/2019 23:23	WG1275905
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	05/03/2019 23:23	WG1275905
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	05/03/2019 23:23	WG1275905
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	05/03/2019 23:23	WG1275905
Tetrachloroethene	U		0.199	0.500	1	05/03/2019 23:23	WG1275905
Toluene	U		0.412	0.500	1	05/03/2019 23:23	WG1275905
1,2,3-Trichlorobenzene	U		0.164	0.500	1	05/03/2019 23:23	WG1275905
1,2,4-Trichlorobenzene	U		0.355	0.500	1	05/03/2019 23:23	WG1275905
1,1,1-Trichloroethane	U		0.0940	0.500	1	05/03/2019 23:23	WG1275905
1,1,2-Trichloroethane	U		0.186	0.500	1	05/03/2019 23:23	WG1275905
Trichloroethene	U		0.153	0.500	1	05/03/2019 23:23	WG1275905
Trichlorofluoromethane	U	J0	0.130	2.50	1	05/03/2019 23:23	WG1275905
1,2,3-Trichloropropane	U		0.247	2.50	1	05/03/2019 23:23	WG1275905
1,2,4-Trimethylbenzene	U		0.123	0.500	1	05/03/2019 23:23	WG1275905
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	05/03/2019 23:23	WG1275905
1,3,5-Trimethylbenzene	U		0.124	0.500	1	05/03/2019 23:23	WG1275905

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	05/03/2019 23:23	WG1275905
Vinyl chloride	U	J0	0.118	0.500	1	05/03/2019 23:23	WG1275905
Xylenes, Total	U		0.316	1.50	1	05/03/2019 23:23	WG1275905
(S) Toluene-d8	*98.7*			*80.0-120*		*05/03/2019 23:23*	WG1275905
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*05/03/2019 23:23*	WG1275905
(S) 1,2-Dichloroethane-d4	*94.7*			*70.0-130*		*05/03/2019 23:23*	WG1275905

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 18:04	WG1275218
(S) a,a,a-Trifluorotoluene(FID)	*98.6*			*78.0-120*		*05/02/2019 18:04*	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	1.36	J	1.05	25.0	1	05/07/2019 14:40	WG1277193
Acrylonitrile	U		0.873	5.00	1	05/07/2019 14:40	WG1277193
Benzene	U		0.0896	0.500	1	05/07/2019 14:40	WG1277193
Bromobenzene	U		0.133	0.500	1	05/07/2019 14:40	WG1277193
Bromodichloromethane	U		0.0800	0.500	1	05/07/2019 14:40	WG1277193
Bromochloromethane	U		0.145	0.500	1	05/07/2019 14:40	WG1277193
Bromoform	U		0.186	0.500	1	05/07/2019 14:40	WG1277193
Bromomethane	U	J0	0.157	2.50	1	05/07/2019 14:40	WG1277193
n-Butylbenzene	U		0.143	0.500	1	05/07/2019 14:40	WG1277193
sec-Butylbenzene	U		0.134	0.500	1	05/07/2019 14:40	WG1277193
tert-Butylbenzene	U		0.183	0.500	1	05/07/2019 14:40	WG1277193
Carbon disulfide	U		0.101	0.500	1	05/07/2019 14:40	WG1277193
Carbon tetrachloride	U		0.159	0.500	1	05/07/2019 14:40	WG1277193
Chlorobenzene	U		0.140	0.500	1	05/07/2019 14:40	WG1277193
Chlorodibromomethane	U		0.128	0.500	1	05/07/2019 14:40	WG1277193
Chloroethane	U	J0	0.141	2.50	1	05/07/2019 14:40	WG1277193
Chloroform	U		0.0860	0.500	1	05/07/2019 14:40	WG1277193
Chloromethane	U	J0	0.153	1.25	1	05/07/2019 14:40	WG1277193
2-Chlorotoluene	U		0.111	0.500	1	05/07/2019 14:40	WG1277193
4-Chlorotoluene	U		0.0972	0.500	1	05/07/2019 14:40	WG1277193
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	05/07/2019 14:40	WG1277193
1,2-Dibromoethane	U		0.193	0.500	1	05/07/2019 14:40	WG1277193
Dibromomethane	U		0.117	0.500	1	05/07/2019 14:40	WG1277193
1,2-Dichlorobenzene	U		0.101	0.500	1	05/07/2019 14:40	WG1277193
1,3-Dichlorobenzene	U		0.130	0.500	1	05/07/2019 14:40	WG1277193
1,4-Dichlorobenzene	U		0.121	0.500	1	05/07/2019 14:40	WG1277193
Dichlorodifluoromethane	U		0.127	2.50	1	05/07/2019 14:40	WG1277193
1,1-Dichloroethane	U		0.114	0.500	1	05/07/2019 14:40	WG1277193
1,2-Dichloroethane	U		0.108	0.500	1	05/07/2019 14:40	WG1277193
1,1-Dichloroethene	U		0.188	0.500	1	05/07/2019 14:40	WG1277193
cis-1,2-Dichloroethene	U		0.0933	0.500	1	05/07/2019 14:40	WG1277193
trans-1,2-Dichloroethene	U		0.152	0.500	1	05/07/2019 14:40	WG1277193
1,2-Dichloropropane	U		0.190	0.500	1	05/07/2019 14:40	WG1277193
1,1-Dichloropropene	U		0.128	0.500	1	05/07/2019 14:40	WG1277193
1,3-Dichloropropane	U		0.147	1.00	1	05/07/2019 14:40	WG1277193
cis-1,3-Dichloropropene	U		0.0976	0.500	1	05/07/2019 14:40	WG1277193
trans-1,3-Dichloropropene	U		0.222	0.500	1	05/07/2019 14:40	WG1277193
trans-1,4-Dichloro-2-butene	U	J0	0.257	5.00	1	05/07/2019 14:40	WG1277193
2,2-Dichloropropane	U	J0	0.0929	0.500	1	05/07/2019 14:40	WG1277193
Di-isopropyl ether	U		0.0924	0.500	1	05/07/2019 14:40	WG1277193
Ethylbenzene	U		0.158	0.500	1	05/07/2019 14:40	WG1277193
Hexachloro-1,3-butadiene	U		0.157	1.00	1	05/07/2019 14:40	WG1277193
2-Hexanone	U		0.757	5.00	1	05/07/2019 14:40	WG1277193
n-Hexane	U		0.305	5.00	1	05/07/2019 14:40	WG1277193
Iodomethane	U		0.377	10.0	1	05/07/2019 14:40	WG1277193
Isopropylbenzene	U		0.126	0.500	1	05/07/2019 14:40	WG1277193
p-Isopropyltoluene	U		0.138	0.500	1	05/07/2019 14:40	WG1277193
2-Butanone (MEK)	U		1.28	5.00	1	05/07/2019 14:40	WG1277193

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	05/07/2019 14:40	WG1277193
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	05/07/2019 14:40	WG1277193
Methyl tert-butyl ether	U		0.102	0.500	1	05/07/2019 14:40	WG1277193
Naphthalene	U		0.174	2.50	1	05/07/2019 14:40	WG1277193
n-Propylbenzene	U		0.162	0.500	1	05/07/2019 14:40	WG1277193
Styrene	U		0.117	0.500	1	05/07/2019 14:40	WG1277193
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	05/07/2019 14:40	WG1277193
1,1,2,2-Tetrachloroethane	U	J0	0.130	0.500	1	05/07/2019 14:40	WG1277193
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	05/07/2019 14:40	WG1277193
Tetrachloroethene	U		0.199	0.500	1	05/07/2019 14:40	WG1277193
Toluene	U		0.412	0.500	1	05/07/2019 14:40	WG1277193
1,2,3-Trichlorobenzene	U		0.164	0.500	1	05/07/2019 14:40	WG1277193
1,2,4-Trichlorobenzene	U		0.355	0.500	1	05/07/2019 14:40	WG1277193
1,1,1-Trichloroethane	U		0.0940	0.500	1	05/07/2019 14:40	WG1277193
1,1,2-Trichloroethane	U		0.186	0.500	1	05/07/2019 14:40	WG1277193
Trichloroethene	U		0.153	0.500	1	05/07/2019 14:40	WG1277193
Trichlorofluoromethane	U	J4	0.130	2.50	1	05/07/2019 14:40	WG1277193
1,2,3-Trichloropropane	U	J0	0.247	2.50	1	05/07/2019 14:40	WG1277193
1,2,4-Trimethylbenzene	U		0.123	0.500	1	05/07/2019 14:40	WG1277193
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	05/07/2019 14:40	WG1277193
1,3,5-Trimethylbenzene	U		0.124	0.500	1	05/07/2019 14:40	WG1277193
Vinyl acetate	U		0.645	5.00	1	05/07/2019 14:40	WG1277193
Vinyl chloride	U	J0 J4	0.118	0.500	1	05/07/2019 14:40	WG1277193
Xylenes, Total	U		0.316	1.50	1	05/07/2019 14:40	WG1277193
(S) Toluene-d8	*97.5*			*80.0-120*		*05/07/2019 14:40*	WG1277193
(S) 4-Bromofluorobenzene	*111*			*77.0-126*		*05/07/2019 14:40*	WG1277193
(S) 1,2-Dichloroethane-d4	*86.1*			*70.0-130*		*05/07/2019 14:40*	WG1277193

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

Method Blank (MB)

(MB) R3409444-1 05/08/19 15:02

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Alkalinity	3670	J	2710	20000

Sample Narrative:

BLANK: Endpoint pH 4.5

L1094407-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1094407-03 05/08/19 15:09 • (DUP) R3409444-2 05/08/19 15:15

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	371000	370000	1	0.178		20

Sample Narrative:

OS: Endpoint pH 4.5 headspace

DUP: Endpoint pH 4.5

L1094422-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1094422-01 05/08/19 17:59 • (DUP) R3409444-5 05/08/19 18:06

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	61000	61000	1	0.0689		20

Sample Narrative:

OS: Endpoint pH 4.5 headspace

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3409444-3 05/08/19 16:13

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) R3407729-1 05/02/19 09:54

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

L1094387-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1094387-06 05/02/19 11:27 • (DUP) R3407729-3 05/02/19 11:41

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	25500	25600	1	0.444		15
Nitrate	U	0.000	1	0.000		15
Sulfate	12200	12200	1	0.406		15

L1094414-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1094414-03 05/02/19 16:43 • (DUP) R3407729-6 05/02/19 16:58

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	80.6	0.000	1	200	P1	15
Nitrate	U	0.000	1	0.000		15
Sulfate	U	0.000	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R3407729-2 05/02/19 10:08

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40000	40100	100	80.0-120	
Nitrate	8000	8050	101	80.0-120	
Sulfate	40000	40500	101	80.0-120	

L1094387-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1094387-06 05/02/19 11:27 • (MS) R3407729-4 05/02/19 11:55 • (MSD) R3407729-5 05/02/19 12:09

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 %
Chloride	50000	25500	73800	73800	96.5	96.7	1	80.0-120			0.0809	15
Nitrate	5000	U	4620	4630	92.4	92.6	1	80.0-120			0.195	15
Sulfate	50000	12200	60300	60300	96.3	96.3	1	80.0-120			0.0128	15

L1094414-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1094414-03 05/02/19 16:43 • (MS) R3407729-7 05/02/19 17:12

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	80.6	49600	99.0	1	80.0-120	
Nitrate	5000	U	4830	96.5	1	80.0-120	
Sulfate	50000	U	48800	97.5	1	80.0-120	

Method Blank (MB)

(MB) R3408346-1 05/03/19 11:52

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	205	J	102	1000

L1094414-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1094414-02 05/03/19 13:56 • (DUP) R3408346-3 05/03/19 14:09

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	3790	3820	1	0.762		20

L1094708-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1094708-01 05/03/19 17:35 • (DUP) R3408346-6 05/03/19 17:52

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	29300	29500	1	0.749		20

Laboratory Control Sample (LCS)

(LCS) R3408346-2 05/03/19 12:28

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75000	78200	104	85.0-115	

L1094646-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1094646-16 05/03/19 16:43 • (MS) R3408346-4 05/03/19 17:00 • (MSD) R3408346-5 05/03/19 17:18

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 %
TOC (Total Organic Carbon)	50000	10500	63500	63300	106	106	1	80.0-120			0.284	20

L1094846-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1094846-01 05/03/19 19:10 • (MS) R3408346-7 05/03/19 19:31 • (MSD) R3408346-8 05/03/19 19:48

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50000	7290	59600	59700	105	105	1	80.0-120			0.134	20

Method Blank (MB)

(MB) R3410561-1 05/12/19 20:24

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) R3410561-2 05/12/19 20:30 • (LCSD) R3410561-3 05/12/19 20:35

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Iron	500	515	470	103	94.0	80.0-120			9.08	20
Manganese	50.0	49.3	47.8	98.5	95.6	80.0-120			3.05	20

L1094065-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1094065-01 05/12/19 20:40 • (MS) R3410561-5 05/12/19 20:51 • (MSD) R3410561-6 05/12/19 20:56

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	200000	189000	185000	0.000	0.000	1	75.0-125	V	V	2.08	20
Manganese	50.0	5360	5190	4990	0.000	0.000	1	75.0-125	V	V	3.94	20

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*				

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

Method Blank (MB)

(MB) R3409706-1 05/09/19 11:19

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

L1094039-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1094039-01 05/09/19 11:34 • (DUP) R3409706-2 05/09/19 11:36

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	221	79.2	1	94.5		20
Ethane	ND	0.000	1	0.000		20
Ethene	ND	0.000	1	0.000		20

L1094407-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1094407-05 05/09/19 12:59 • (DUP) R3409706-3 05/09/19 13:02

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	519	536	1	3.25		20
Ethane	ND	0.000	1	0.000		20
Ethene	ND	0.000	1	0.000		20

L1095146-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1095146-01 05/09/19 13:38 • (DUP) R3409706-4 05/09/19 13:48

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	4330	4280	1	1.22		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) R3409706-5 05/09/19 13:51 • (LCSD) R3409706-6 05/09/19 13:57

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methane	67.8	78.0	73.3	115	108	85.0-115			6.21	20
Ethane	129	120	115	93.0	89.2	85.0-115			4.26	20
Ethene	127	119	114	93.9	89.9	85.0-115			4.37	20

Method Blank (MB)

(MB) R3408790-2 05/03/19 22:42

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	1.29	J	1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
2,2-Dichloropropane	U		0.0929	0.500
n-Hexane	U		0.305	5.00

Method Blank (MB)

(MB) R3408790-2 05/03/19 22:42

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Di-isopropyl ether	U		0.0924	0.500
Iodomethane	U		0.377	10.0
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00
2-Hexanone	U		0.757	5.00
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
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
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
Toluene	U		0.412	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	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*103*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3408790-1 05/03/19 21:42

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	125	189	152	19.0-160	
Acrylonitrile	125	151	120	55.0-149	
Bromobenzene	25.0	21.5	86.0	73.0-121	
Bromodichloromethane	25.0	22.8	91.4	75.0-120	
Bromochloromethane	25.0	24.1	96.6	76.0-122	
Bromoform	25.0	28.0	112	68.0-132	
Bromomethane	25.0	16.9	67.6	10.0-160	
trans-1,4-Dichloro-2-butene	25.0	21.1	84.2	33.0-144	
n-Butylbenzene	25.0	20.2	80.7	73.0-125	
sec-Butylbenzene	25.0	21.2	85.0	75.0-125	
tert-Butylbenzene	25.0	22.1	88.6	76.0-124	
Carbon disulfide	25.0	26.4	106	61.0-128	
Carbon tetrachloride	25.0	25.8	103	68.0-126	
Chlorobenzene	25.0	23.6	94.5	80.0-121	
n-Hexane	25.0	25.7	103	57.0-133	
Chlorodibromomethane	25.0	24.2	96.7	77.0-125	
Iodomethane	125	137	109	33.0-147	
Chloroethane	25.0	14.6	58.5	47.0-150	
Chloroform	25.0	22.1	88.2	73.0-120	
Chloromethane	25.0	23.1	92.4	41.0-142	
2-Chlorotoluene	25.0	21.2	84.9	76.0-123	
Benzene	25.0	25.5	102	70.0-123	
4-Chlorotoluene	25.0	21.6	86.5	75.0-122	
1,2-Dibromo-3-Chloropropane	25.0	25.2	101	58.0-134	
1,2-Dibromoethane	25.0	23.3	93.4	80.0-122	
Dibromomethane	25.0	23.0	91.8	80.0-120	
1,2-Dichlorobenzene	25.0	22.8	91.3	79.0-121	
1,3-Dichlorobenzene	25.0	22.2	88.6	79.0-120	
1,4-Dichlorobenzene	25.0	21.6	86.6	79.0-120	
Dichlorodifluoromethane	25.0	23.3	93.1	51.0-149	
1,1-Dichloroethane	25.0	23.8	95.3	70.0-126	
1,2-Dichloroethane	25.0	21.6	86.3	70.0-128	
1,1-Dichloroethene	25.0	25.3	101	71.0-124	
cis-1,2-Dichloroethene	25.0	24.1	96.3	73.0-120	
trans-1,2-Dichloroethene	25.0	24.2	96.7	73.0-120	
1,2-Dichloropropane	25.0	25.9	103	77.0-125	
1,1-Dichloropropene	25.0	24.0	95.9	74.0-126	
1,3-Dichloropropane	25.0	23.7	94.9	80.0-120	
cis-1,3-Dichloropropene	25.0	23.8	95.1	80.0-123	
Vinyl acetate	125	119	94.9	11.0-160	

Laboratory Control Sample (LCS)

(LCS) R3408790-1 05/03/19 21:42

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
trans-1,3-Dichloropropene	25.0	22.3	89.3	78.0-124	
2,2-Dichloropropane	25.0	30.8	123	58.0-130	
Di-isopropyl ether	25.0	26.4	105	58.0-138	
Hexachloro-1,3-butadiene	25.0	28.4	114	54.0-138	
2-Hexanone	125	136	109	67.0-149	
Isopropylbenzene	25.0	24.9	99.6	76.0-127	
p-Isopropyltoluene	25.0	21.9	87.6	76.0-125	
2-Butanone (MEK)	125	153	122	44.0-160	
Methylene Chloride	25.0	25.3	101	67.0-120	
4-Methyl-2-pentanone (MIBK)	125	133	106	68.0-142	
Methyl tert-butyl ether	25.0	24.2	96.8	68.0-125	
Naphthalene	25.0	21.8	87.3	54.0-135	
Ethylbenzene	25.0	24.1	96.4	79.0-123	
n-Propylbenzene	25.0	20.5	82.2	77.0-124	
Styrene	25.0	26.6	106	73.0-130	
1,1,1,2-Tetrachloroethane	25.0	24.3	97.0	75.0-125	
1,1,2,2-Tetrachloroethane	25.0	21.0	84.0	65.0-130	
Tetrachloroethene	25.0	25.3	101	72.0-132	
1,1,2-Trichlorotrifluoroethane	25.0	24.2	96.7	69.0-132	
1,2,3-Trichlorobenzene	25.0	23.9	95.8	50.0-138	
1,2,4-Trichlorobenzene	25.0	23.9	95.4	57.0-137	
1,1,1-Trichloroethane	25.0	24.1	96.5	73.0-124	
1,1,2-Trichloroethane	25.0	22.5	89.9	80.0-120	
Trichloroethene	25.0	25.5	102	78.0-124	
Trichlorofluoromethane	25.0	15.9	63.7	59.0-147	
1,2,3-Trichloropropane	25.0	20.2	80.7	73.0-130	
1,2,3-Trimethylbenzene	25.0	20.8	83.4	77.0-120	
1,2,4-Trimethylbenzene	25.0	21.0	83.9	76.0-121	
1,3,5-Trimethylbenzene	25.0	21.5	85.9	76.0-122	
Vinyl chloride	25.0	17.0	68.0	67.0-131	
Toluene	25.0	25.0	100	79.0-120	
Xylenes, Total	75.0	73.4	97.9	79.0-123	
(S) Toluene-d8			*99.4*	*80.0-120*	
(S) 4-Bromofluorobenzene			*109*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*94.0*	*70.0-130*	

Method Blank (MB)

(MB) R3409270-2 05/07/19 12:38

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromochloromethane	U		0.145	0.500
Bromodichloromethane	U		0.0800	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
Carbon disulfide	U		0.101	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,4-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) R3409270-2 05/07/19 12:38

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	*97.7*			*80.0-120*
(S) 4-Bromofluorobenzene	*112*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*86.7*			*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)

(LCS) R3409270-1 05/07/19 09:38

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromochloromethane	25.0	24.3	97.2	76.0-122	
trans-1,4-Dichloro-2-butene	25.0	18.4	73.6	33.0-144	
Carbon disulfide	25.0	27.6	111	61.0-128	
n-Hexane	25.0	28.5	114	57.0-133	
Iodomethane	125	136	109	33.0-147	
Acetone	125	126	101	19.0-160	
Acrylonitrile	125	135	108	55.0-149	
Benzene	25.0	25.9	104	70.0-123	
Bromobenzene	25.0	21.6	86.6	73.0-121	
Bromodichloromethane	25.0	22.5	90.1	75.0-120	
Bromoform	25.0	27.8	111	68.0-132	
Bromomethane	25.0	16.1	64.2	10.0-160	
n-Butylbenzene	25.0	20.5	82.0	73.0-125	
sec-Butylbenzene	25.0	21.6	86.5	75.0-125	
tert-Butylbenzene	25.0	22.6	90.3	76.0-124	
Carbon tetrachloride	25.0	24.1	96.3	68.0-126	
Chlorobenzene	25.0	24.2	96.8	80.0-121	
Chlorodibromomethane	25.0	24.4	97.6	77.0-125	
Chloroethane	25.0	13.3	53.3	47.0-150	
Chloroform	25.0	22.1	88.3	73.0-120	
Chloromethane	25.0	19.9	79.4	41.0-142	
2-Chlorotoluene	25.0	21.5	86.0	76.0-123	
Vinyl acetate	125	118	94.6	11.0-160	
4-Chlorotoluene	25.0	21.9	87.6	75.0-122	
1,2-Dibromo-3-Chloropropane	25.0	23.4	93.7	58.0-134	
1,2-Dibromoethane	25.0	23.6	94.5	80.0-122	
Dibromomethane	25.0	22.9	91.5	80.0-120	
1,2-Dichlorobenzene	25.0	22.5	90.0	79.0-121	
1,3-Dichlorobenzene	25.0	22.3	89.3	79.0-120	
1,4-Dichlorobenzene	25.0	21.7	86.7	79.0-120	
2-Hexanone	125	133	106	67.0-149	
Dichlorodifluoromethane	25.0	23.5	94.0	51.0-149	
1,1-Dichloroethane	25.0	23.5	94.0	70.0-126	
1,2-Dichloroethane	25.0	20.2	80.9	70.0-128	
1,1-Dichloroethene	25.0	24.7	98.7	71.0-124	
cis-1,2-Dichloroethene	25.0	24.2	96.9	73.0-120	
trans-1,2-Dichloroethene	25.0	24.7	99.0	73.0-120	
1,2-Dichloropropane	25.0	25.5	102	77.0-125	
1,1-Dichloropropene	25.0	24.4	97.5	74.0-126	
1,3-Dichloropropane	25.0	23.7	94.7	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R3409270-1 05/07/19 09:38

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
cis-1,3-Dichloropropene	25.0	24.1	96.4	80.0-123	
trans-1,3-Dichloropropene	25.0	22.6	90.5	78.0-124	
2,2-Dichloropropane	25.0	30.6	123	58.0-130	
Di-isopropyl ether	25.0	25.8	103	58.0-138	
Ethylbenzene	25.0	24.8	99.2	79.0-123	
Hexachloro-1,3-butadiene	25.0	28.1	112	54.0-138	
Isopropylbenzene	25.0	25.5	102	76.0-127	
p-Isopropyltoluene	25.0	21.8	87.1	76.0-125	
2-Butanone (MEK)	125	138	111	44.0-160	
Methylene Chloride	25.0	24.5	97.9	67.0-120	
4-Methyl-2-pentanone (MIBK)	125	124	99.6	68.0-142	
Methyl tert-butyl ether	25.0	23.4	93.4	68.0-125	
Naphthalene	25.0	20.4	81.5	54.0-135	
n-Propylbenzene	25.0	21.2	84.8	77.0-124	
Styrene	25.0	27.7	111	73.0-130	
1,1,1,2-Tetrachloroethane	25.0	24.0	95.8	75.0-125	
1,1,2,2-Tetrachloroethane	25.0	20.6	82.3	65.0-130	
Tetrachloroethene	25.0	27.0	108	72.0-132	
Toluene	25.0	26.2	105	79.0-120	
1,1,2-Trichlorotrifluoroethane	25.0	24.1	96.2	69.0-132	
1,2,3-Trichlorobenzene	25.0	20.9	83.7	50.0-138	
1,2,4-Trichlorobenzene	25.0	22.3	89.0	57.0-137	
1,1,1-Trichloroethane	25.0	23.7	94.6	73.0-124	
1,1,2-Trichloroethane	25.0	23.0	91.9	80.0-120	
Trichloroethene	25.0	26.1	105	78.0-124	
Trichlorofluoromethane	25.0	14.7	58.7	59.0-147	J4
1,2,3-Trichloropropane	25.0	19.2	76.9	73.0-130	
1,2,3-Trimethylbenzene	25.0	20.6	82.3	77.0-120	
1,2,4-Trimethylbenzene	25.0	21.2	84.9	76.0-121	
1,3,5-Trimethylbenzene	25.0	21.6	86.4	76.0-122	
Vinyl chloride	25.0	14.3	57.3	67.0-131	J4
Xylenes, Total	75.0	76.0	101	79.0-123	
(S) Toluene-d8			*101*	*80.0-120*	
(S) 4-Bromofluorobenzene			*113*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*83.8*	*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.
J4	The associated batch QC was outside the established quality control range for accuracy.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
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

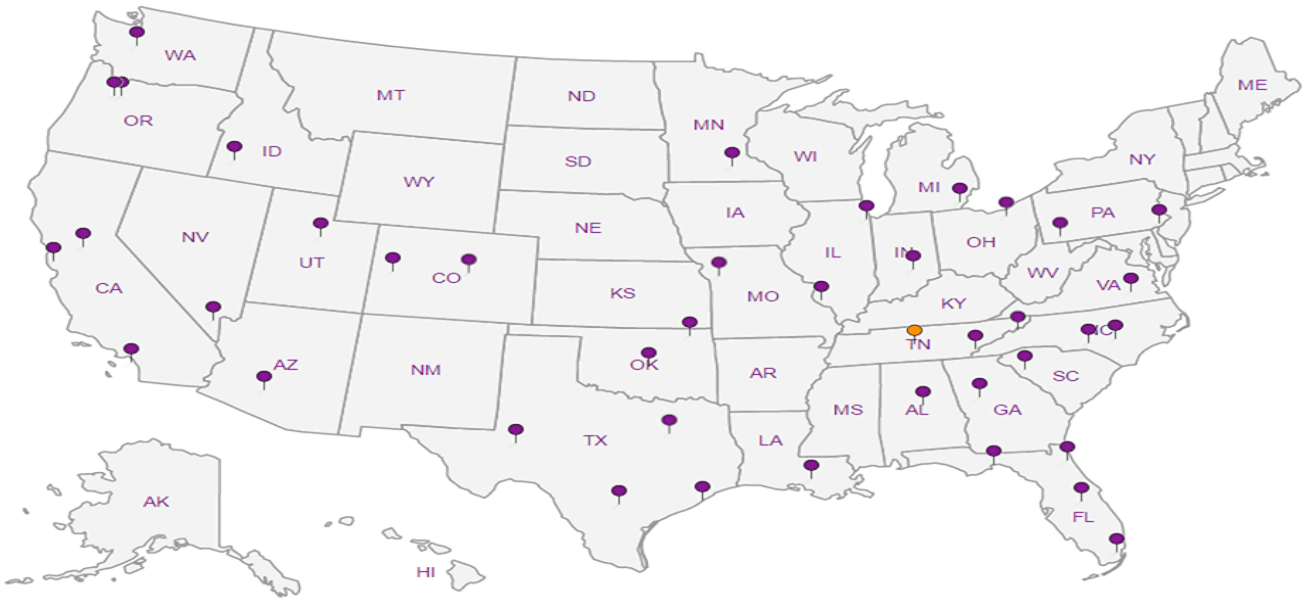
Third Party Federal Accreditations

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 4th Avenue STE 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 4th Ave STE 1350
Seattle, WA 98161

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

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

Report to: **Brian O'Neal/Bill Haldeman**

Email To: KVIK@PESENV.COM PESENV.COM BHALDEMAN@PESENV.COM
BOneal@pesenv.com KSPANGSTEAD@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**

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: Standard TAT.

L # L1094414

Table # B083

Acctnum:
Template:
Prelogin:
TSR:
PB:
Shipped Via:

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-Gx)	Remarks	Sample # (lab only)
MW102-050119	Grab	GW	120	5/1/19	0945	12	X	X	X	X	X	X	X		-01
MW160-050119	Grab	GW	125		1220	12	X	X	X	X	X	X	X		-02
EQ-050119	Grab	GW	—		1429	12	X	X	X	X	X	X	X		-03
TripBlank-050119	Grab	GW	—		—	1									-04
	Grab	GW													
	Grab	GW													
	Grab	GW													
	Grab	GW													
	Grab	GW													
	Grab	GW													

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

Remarks: Tier 2 lab QA/QC

pH _____ Temp _____
Flow _____ Other _____

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

Tracking # 4269 9216 3070

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 TD

RAD SCREEN: <0.5 mR/hr

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	05-01-19	1600	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

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

Temp: A33F °C 2.3±0=2.3 Bottles Received: 36

Date: 5/2/19 Time: 0830

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK TD



Login #: L1094414	Client: PESENVSWA	Date: 5/2/19	Evaluated by: Troy Dunlap

Non-Conformance (check applicable items)

	Sample Integrity		Chain of Custody Clarification		
	Parameter(s) past holding time		Login Clarification Needed		**If Broken Container:**
	Temperature not in range		Chain of custody is incomplete		Insufficient packing material around container
	Improper container type		Please specify Metals requested.		Insufficient packing material inside cooler
X	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: Metals container for EQ-050119 received unpreserved.

Client informed by:		Call		Email		Voice Mail		Date:	Time:
TSR Initials:bjf	Client Contact:								

Login Instructions:

Adjust pH and note time/date of adjustment.

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

May 13, 2019

PES Environmental, Inc.- WA

Sample Delivery Group:	L1095166
Samples Received:	05/03/2019
Project Number:	
Description:	

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

Entire Report Reviewed By:

Brian Ford
Project Manager

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



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SV01-042919 L1095166-01 Air

Collected by: C.D. | Collected date/time: 04/29/19 10:25 | Received date/time: 05/03/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1278777	2	05/10/19 18:55	05/10/19 18:55	AMC	Mt. Juliet, TN

SV01-042919-D L1095166-02 Air

Collected by: C.D. | Collected date/time: 04/29/19 10:30 | Received date/time: 05/03/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1278777	2	05/10/19 19:38	05/10/19 19:38	AMC	Mt. Juliet, TN

SV02-042919 L1095166-03 Air

Collected by: C.D. | Collected date/time: 04/29/19 11:40 | Received date/time: 05/03/19 08:45

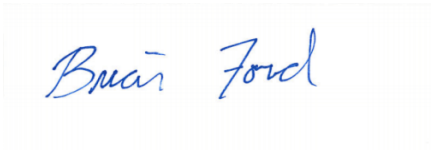
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1278777	2	05/10/19 20:21	05/10/19 20:21	AMC	Mt. Juliet, TN

SV03-042919 L1095166-04 Air

Collected by: C.D. | Collected date/time: 04/29/19 12:50 | Received date/time: 05/03/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1278777	2	05/10/19 21:03	05/10/19 21:03	AMC	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 (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	2.50	5.94	4.74	11.3		2	WG1278777
Allyl chloride	107-05-1	76.53	0.400	1.25	ND	ND		2	WG1278777
Benzene	71-43-2	78.10	0.400	1.28	ND	ND		2	WG1278777
Benzyl Chloride	100-44-7	127	0.400	2.08	ND	ND		2	WG1278777
Bromodichloromethane	75-27-4	164	0.400	2.68	ND	ND		2	WG1278777
Bromoform	75-25-2	253	1.20	12.4	ND	ND		2	WG1278777
Bromomethane	74-83-9	94.90	0.400	1.55	ND	ND		2	WG1278777
1,3-Butadiene	106-99-0	54.10	4.00	8.85	ND	ND		2	WG1278777
Carbon disulfide	75-15-0	76.10	0.400	1.24	ND	ND		2	WG1278777
Carbon tetrachloride	56-23-5	154	0.400	2.52	ND	ND		2	WG1278777
Chlorobenzene	108-90-7	113	0.400	1.85	ND	ND		2	WG1278777
Chloroethane	75-00-3	64.50	0.400	1.06	ND	ND		2	WG1278777
Chloroform	67-66-3	119	0.400	1.95	ND	ND		2	WG1278777
Chloromethane	74-87-3	50.50	0.400	0.826	ND	ND		2	WG1278777
2-Chlorotoluene	95-49-8	126	0.400	2.06	ND	ND		2	WG1278777
Cyclohexane	110-82-7	84.20	0.400	1.38	ND	ND		2	WG1278777
Dibromochloromethane	124-48-1	208	0.400	3.40	ND	ND		2	WG1278777
1,2-Dibromoethane	106-93-4	188	0.400	3.08	ND	ND		2	WG1278777
1,2-Dichlorobenzene	95-50-1	147	0.400	2.40	ND	ND		2	WG1278777
1,3-Dichlorobenzene	541-73-1	147	0.400	2.40	ND	ND		2	WG1278777
1,4-Dichlorobenzene	106-46-7	147	0.400	2.40	ND	ND		2	WG1278777
1,2-Dichloroethane	107-06-2	99	0.400	1.62	ND	ND		2	WG1278777
1,1-Dichloroethane	75-34-3	98	0.400	1.60	ND	ND		2	WG1278777
1,1-Dichloroethene	75-35-4	96.90	0.400	1.59	ND	ND		2	WG1278777
cis-1,2-Dichloroethene	156-59-2	96.90	0.400	1.59	ND	ND		2	WG1278777
trans-1,2-Dichloroethene	156-60-5	96.90	0.400	1.59	ND	ND		2	WG1278777
1,2-Dichloropropane	78-87-5	113	0.400	1.85	ND	ND		2	WG1278777
cis-1,3-Dichloropropene	10061-01-5	111	0.400	1.82	ND	ND		2	WG1278777
trans-1,3-Dichloropropene	10061-02-6	111	0.400	1.82	ND	ND		2	WG1278777
1,4-Dioxane	123-91-1	88.10	0.400	1.44	ND	ND		2	WG1278777
Ethanol	64-17-5	46.10	1.26	2.38	13.1	24.6		2	WG1278777
Ethylbenzene	100-41-4	106	0.400	1.73	ND	ND		2	WG1278777
4-Ethyltoluene	622-96-8	120	0.400	1.96	ND	ND		2	WG1278777
Trichlorofluoromethane	75-69-4	137.40	0.400	2.25	ND	ND		2	WG1278777
Dichlorodifluoromethane	75-71-8	120.92	0.400	1.98	0.428	2.11		2	WG1278777
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.400	3.07	ND	ND		2	WG1278777
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.400	2.80	ND	ND		2	WG1278777
Heptane	142-82-5	100	0.400	1.64	ND	ND		2	WG1278777
Hexachloro-1,3-butadiene	87-68-3	261	1.26	13.5	ND	ND		2	WG1278777
n-Hexane	110-54-3	86.20	0.400	1.41	0.415	1.46		2	WG1278777
Isopropylbenzene	98-82-8	120.20	0.400	1.97	ND	ND		2	WG1278777
Methylene Chloride	75-09-2	84.90	0.400	1.39	2.01	7.00		2	WG1278777
Methyl Butyl Ketone	591-78-6	100	2.50	10.2	ND	ND		2	WG1278777
2-Butanone (MEK)	78-93-3	72.10	2.50	7.37	ND	ND		2	WG1278777
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	2.50	10.2	ND	ND		2	WG1278777
Methyl methacrylate	80-62-6	100.12	0.400	1.64	ND	ND		2	WG1278777
MTBE	1634-04-4	88.10	0.400	1.44	ND	ND		2	WG1278777
Naphthalene	91-20-3	128	1.26	6.60	ND	ND		2	WG1278777
2-Propanol	67-63-0	60.10	2.50	6.15	ND	ND		2	WG1278777
Propene	115-07-1	42.10	0.800	1.38	ND	ND		2	WG1278777
Styrene	100-42-5	104	0.400	1.70	ND	ND		2	WG1278777
1,1,2,2-Tetrachloroethane	79-34-5	168	0.400	2.75	ND	ND		2	WG1278777
Tetrachloroethylene	127-18-4	166	0.400	2.72	ND	ND		2	WG1278777
Tetrahydrofuran	109-99-9	72.10	0.400	1.18	ND	ND		2	WG1278777
Toluene	108-88-3	92.10	0.400	1.51	1.70	6.41		2	WG1278777
1,2,4-Trichlorobenzene	120-82-1	181	1.26	9.33	ND	ND		2	WG1278777

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.400	2.18	2.02	11.0		2	WG1278777
1,1,2-Trichloroethane	79-00-5	133	0.400	2.18	ND	ND		2	WG1278777
Trichloroethylene	79-01-6	131	0.400	2.14	ND	ND		2	WG1278777
1,2,4-Trimethylbenzene	95-63-6	120	0.400	1.96	ND	ND		2	WG1278777
1,3,5-Trimethylbenzene	108-67-8	120	0.400	1.96	ND	ND		2	WG1278777
2,2,4-Trimethylpentane	540-84-1	114.22	0.400	1.87	ND	ND		2	WG1278777
Vinyl chloride	75-01-4	62.50	0.400	1.02	ND	ND		2	WG1278777
Vinyl Bromide	593-60-2	106.95	0.400	1.75	ND	ND		2	WG1278777
Vinyl acetate	108-05-4	86.10	0.400	1.41	ND	ND		2	WG1278777
m&p-Xylene	1330-20-7	106	0.800	3.47	0.831	3.60		2	WG1278777
o-Xylene	95-47-6	106	0.400	1.73	ND	ND		2	WG1278777
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*104*				WG1278777

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	2.50	5.94	5.74	13.6		2	WG1278777
Allyl chloride	107-05-1	76.53	0.400	1.25	ND	ND		2	WG1278777
Benzene	71-43-2	78.10	0.400	1.28	ND	ND		2	WG1278777
Benzyl Chloride	100-44-7	127	0.400	2.08	ND	ND		2	WG1278777
Bromodichloromethane	75-27-4	164	0.400	2.68	ND	ND		2	WG1278777
Bromoform	75-25-2	253	1.20	12.4	ND	ND		2	WG1278777
Bromomethane	74-83-9	94.90	0.400	1.55	ND	ND		2	WG1278777
1,3-Butadiene	106-99-0	54.10	4.00	8.85	ND	ND		2	WG1278777
Carbon disulfide	75-15-0	76.10	0.400	1.24	ND	ND		2	WG1278777
Carbon tetrachloride	56-23-5	154	0.400	2.52	ND	ND		2	WG1278777
Chlorobenzene	108-90-7	113	0.400	1.85	ND	ND		2	WG1278777
Chloroethane	75-00-3	64.50	0.400	1.06	ND	ND		2	WG1278777
Chloroform	67-66-3	119	0.400	1.95	ND	ND		2	WG1278777
Chloromethane	74-87-3	50.50	0.400	0.826	0.417	0.861		2	WG1278777
2-Chlorotoluene	95-49-8	126	0.400	2.06	ND	ND		2	WG1278777
Cyclohexane	110-82-7	84.20	0.400	1.38	ND	ND		2	WG1278777
Dibromochloromethane	124-48-1	208	0.400	3.40	ND	ND		2	WG1278777
1,2-Dibromoethane	106-93-4	188	0.400	3.08	ND	ND		2	WG1278777
1,2-Dichlorobenzene	95-50-1	147	0.400	2.40	ND	ND		2	WG1278777
1,3-Dichlorobenzene	541-73-1	147	0.400	2.40	ND	ND		2	WG1278777
1,4-Dichlorobenzene	106-46-7	147	0.400	2.40	ND	ND		2	WG1278777
1,2-Dichloroethane	107-06-2	99	0.400	1.62	ND	ND		2	WG1278777
1,1-Dichloroethane	75-34-3	98	0.400	1.60	ND	ND		2	WG1278777
1,1-Dichloroethene	75-35-4	96.90	0.400	1.59	ND	ND		2	WG1278777
cis-1,2-Dichloroethene	156-59-2	96.90	0.400	1.59	ND	ND		2	WG1278777
trans-1,2-Dichloroethene	156-60-5	96.90	0.400	1.59	ND	ND		2	WG1278777
1,2-Dichloropropane	78-87-5	113	0.400	1.85	ND	ND		2	WG1278777
cis-1,3-Dichloropropene	10061-01-5	111	0.400	1.82	ND	ND		2	WG1278777
trans-1,3-Dichloropropene	10061-02-6	111	0.400	1.82	ND	ND		2	WG1278777
1,4-Dioxane	123-91-1	88.10	0.400	1.44	ND	ND		2	WG1278777
Ethanol	64-17-5	46.10	1.26	2.38	15.2	28.7		2	WG1278777
Ethylbenzene	100-41-4	106	0.400	1.73	ND	ND		2	WG1278777
4-Ethyltoluene	622-96-8	120	0.400	1.96	ND	ND		2	WG1278777
Trichlorofluoromethane	75-69-4	137.40	0.400	2.25	ND	ND		2	WG1278777
Dichlorodifluoromethane	75-71-8	120.92	0.400	1.98	0.413	2.04		2	WG1278777
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.400	3.07	ND	ND		2	WG1278777
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.400	2.80	ND	ND		2	WG1278777
Heptane	142-82-5	100	0.400	1.64	ND	ND		2	WG1278777
Hexachloro-1,3-butadiene	87-68-3	261	1.26	13.5	ND	ND		2	WG1278777
n-Hexane	110-54-3	86.20	0.400	1.41	0.530	1.87		2	WG1278777
Isopropylbenzene	98-82-8	120.20	0.400	1.97	ND	ND		2	WG1278777
Methylene Chloride	75-09-2	84.90	0.400	1.39	3.21	11.1		2	WG1278777
Methyl Butyl Ketone	591-78-6	100	2.50	10.2	ND	ND		2	WG1278777
2-Butanone (MEK)	78-93-3	72.10	2.50	7.37	ND	ND		2	WG1278777
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	2.50	10.2	ND	ND		2	WG1278777
Methyl methacrylate	80-62-6	100.12	0.400	1.64	ND	ND		2	WG1278777
MTBE	1634-04-4	88.10	0.400	1.44	ND	ND		2	WG1278777
Naphthalene	91-20-3	128	1.26	6.60	ND	ND		2	WG1278777
2-Propanol	67-63-0	60.10	2.50	6.15	ND	ND		2	WG1278777
Propene	115-07-1	42.10	0.800	1.38	0.903	1.55		2	WG1278777
Styrene	100-42-5	104	0.400	1.70	ND	ND		2	WG1278777
1,1,2,2-Tetrachloroethane	79-34-5	168	0.400	2.75	ND	ND		2	WG1278777
Tetrachloroethylene	127-18-4	166	0.400	2.72	ND	ND		2	WG1278777
Tetrahydrofuran	109-99-9	72.10	0.400	1.18	ND	ND		2	WG1278777
Toluene	108-88-3	92.10	0.400	1.51	1.79	6.74		2	WG1278777
1,2,4-Trichlorobenzene	120-82-1	181	1.26	9.33	ND	ND		2	WG1278777

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.400	2.18	2.32	12.6		2	WG1278777
1,1,2-Trichloroethane	79-00-5	133	0.400	2.18	ND	ND		2	WG1278777
Trichloroethylene	79-01-6	131	0.400	2.14	ND	ND		2	WG1278777
1,2,4-Trimethylbenzene	95-63-6	120	0.400	1.96	ND	ND		2	WG1278777
1,3,5-Trimethylbenzene	108-67-8	120	0.400	1.96	ND	ND		2	WG1278777
2,2,4-Trimethylpentane	540-84-1	114.22	0.400	1.87	ND	ND		2	WG1278777
Vinyl chloride	75-01-4	62.50	0.400	1.02	ND	ND		2	WG1278777
Vinyl Bromide	593-60-2	106.95	0.400	1.75	ND	ND		2	WG1278777
Vinyl acetate	108-05-4	86.10	0.400	1.41	ND	ND		2	WG1278777
m&p-Xylene	1330-20-7	106	0.800	3.47	0.929	4.03		2	WG1278777
o-Xylene	95-47-6	106	0.400	1.73	ND	ND		2	WG1278777
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*105*				WG1278777

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	2.50	5.94	5.89	14.0		2	WG1278777
Allyl chloride	107-05-1	76.53	0.400	1.25	ND	ND		2	WG1278777
Benzene	71-43-2	78.10	0.400	1.28	ND	ND		2	WG1278777
Benzyl Chloride	100-44-7	127	0.400	2.08	ND	ND		2	WG1278777
Bromodichloromethane	75-27-4	164	0.400	2.68	ND	ND		2	WG1278777
Bromoform	75-25-2	253	1.20	12.4	ND	ND		2	WG1278777
Bromomethane	74-83-9	94.90	0.400	1.55	ND	ND		2	WG1278777
1,3-Butadiene	106-99-0	54.10	4.00	8.85	ND	ND		2	WG1278777
Carbon disulfide	75-15-0	76.10	0.400	1.24	ND	ND		2	WG1278777
Carbon tetrachloride	56-23-5	154	0.400	2.52	ND	ND		2	WG1278777
Chlorobenzene	108-90-7	113	0.400	1.85	ND	ND		2	WG1278777
Chloroethane	75-00-3	64.50	0.400	1.06	ND	ND		2	WG1278777
Chloroform	67-66-3	119	0.400	1.95	ND	ND		2	WG1278777
Chloromethane	74-87-3	50.50	0.400	0.826	0.412	0.851		2	WG1278777
2-Chlorotoluene	95-49-8	126	0.400	2.06	ND	ND		2	WG1278777
Cyclohexane	110-82-7	84.20	0.400	1.38	ND	ND		2	WG1278777
Dibromochloromethane	124-48-1	208	0.400	3.40	ND	ND		2	WG1278777
1,2-Dibromoethane	106-93-4	188	0.400	3.08	ND	ND		2	WG1278777
1,2-Dichlorobenzene	95-50-1	147	0.400	2.40	ND	ND		2	WG1278777
1,3-Dichlorobenzene	541-73-1	147	0.400	2.40	ND	ND		2	WG1278777
1,4-Dichlorobenzene	106-46-7	147	0.400	2.40	ND	ND		2	WG1278777
1,2-Dichloroethane	107-06-2	99	0.400	1.62	ND	ND		2	WG1278777
1,1-Dichloroethane	75-34-3	98	0.400	1.60	ND	ND		2	WG1278777
1,1-Dichloroethene	75-35-4	96.90	0.400	1.59	ND	ND		2	WG1278777
cis-1,2-Dichloroethene	156-59-2	96.90	0.400	1.59	ND	ND		2	WG1278777
trans-1,2-Dichloroethene	156-60-5	96.90	0.400	1.59	ND	ND		2	WG1278777
1,2-Dichloropropane	78-87-5	113	0.400	1.85	ND	ND		2	WG1278777
cis-1,3-Dichloropropene	10061-01-5	111	0.400	1.82	ND	ND		2	WG1278777
trans-1,3-Dichloropropene	10061-02-6	111	0.400	1.82	ND	ND		2	WG1278777
1,4-Dioxane	123-91-1	88.10	0.400	1.44	ND	ND		2	WG1278777
Ethanol	64-17-5	46.10	1.26	2.38	13.8	26.0		2	WG1278777
Ethylbenzene	100-41-4	106	0.400	1.73	ND	ND		2	WG1278777
4-Ethyltoluene	622-96-8	120	0.400	1.96	ND	ND		2	WG1278777
Trichlorofluoromethane	75-69-4	137.40	0.400	2.25	ND	ND		2	WG1278777
Dichlorodifluoromethane	75-71-8	120.92	0.400	1.98	0.489	2.42		2	WG1278777
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.400	3.07	ND	ND		2	WG1278777
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.400	2.80	ND	ND		2	WG1278777
Heptane	142-82-5	100	0.400	1.64	ND	ND		2	WG1278777
Hexachloro-1,3-butadiene	87-68-3	261	1.26	13.5	ND	ND		2	WG1278777
n-Hexane	110-54-3	86.20	0.400	1.41	0.485	1.71		2	WG1278777
Isopropylbenzene	98-82-8	120.20	0.400	1.97	ND	ND		2	WG1278777
Methylene Chloride	75-09-2	84.90	0.400	1.39	2.76	9.58		2	WG1278777
Methyl Butyl Ketone	591-78-6	100	2.50	10.2	ND	ND		2	WG1278777
2-Butanone (MEK)	78-93-3	72.10	2.50	7.37	ND	ND		2	WG1278777
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	2.50	10.2	ND	ND		2	WG1278777
Methyl methacrylate	80-62-6	100.12	0.400	1.64	ND	ND		2	WG1278777
MTBE	1634-04-4	88.10	0.400	1.44	ND	ND		2	WG1278777
Naphthalene	91-20-3	128	1.26	6.60	ND	ND		2	WG1278777
2-Propanol	67-63-0	60.10	2.50	6.15	2.69	6.60		2	WG1278777
Propene	115-07-1	42.10	0.800	1.38	0.852	1.47		2	WG1278777
Styrene	100-42-5	104	0.400	1.70	ND	ND		2	WG1278777
1,1,2,2-Tetrachloroethane	79-34-5	168	0.400	2.75	ND	ND		2	WG1278777
Tetrachloroethylene	127-18-4	166	0.400	2.72	ND	ND		2	WG1278777
Tetrahydrofuran	109-99-9	72.10	0.400	1.18	ND	ND		2	WG1278777
Toluene	108-88-3	92.10	0.400	1.51	1.08	4.08		2	WG1278777
1,2,4-Trichlorobenzene	120-82-1	181	1.26	9.33	ND	ND		2	WG1278777

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.400	2.18	ND	ND		2	WG1278777
1,1,2-Trichloroethane	79-00-5	133	0.400	2.18	ND	ND		2	WG1278777
Trichloroethylene	79-01-6	131	0.400	2.14	ND	ND		2	WG1278777
1,2,4-Trimethylbenzene	95-63-6	120	0.400	1.96	ND	ND		2	WG1278777
1,3,5-Trimethylbenzene	108-67-8	120	0.400	1.96	ND	ND		2	WG1278777
2,2,4-Trimethylpentane	540-84-1	114.22	0.400	1.87	ND	ND		2	WG1278777
Vinyl chloride	75-01-4	62.50	0.400	1.02	ND	ND		2	WG1278777
Vinyl Bromide	593-60-2	106.95	0.400	1.75	ND	ND		2	WG1278777
Vinyl acetate	108-05-4	86.10	0.400	1.41	ND	ND		2	WG1278777
m&p-Xylene	1330-20-7	106	0.800	3.47	ND	ND		2	WG1278777
o-Xylene	95-47-6	106	0.400	1.73	ND	ND		2	WG1278777
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*103*				WG1278777

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	2.50	5.94	10.0	23.9		2	WG1278777
Allyl chloride	107-05-1	76.53	0.400	1.25	ND	ND		2	WG1278777
Benzene	71-43-2	78.10	0.400	1.28	ND	ND		2	WG1278777
Benzyl Chloride	100-44-7	127	0.400	2.08	ND	ND		2	WG1278777
Bromodichloromethane	75-27-4	164	0.400	2.68	ND	ND		2	WG1278777
Bromoform	75-25-2	253	1.20	12.4	ND	ND		2	WG1278777
Bromomethane	74-83-9	94.90	0.400	1.55	ND	ND		2	WG1278777
1,3-Butadiene	106-99-0	54.10	4.00	8.85	ND	ND		2	WG1278777
Carbon disulfide	75-15-0	76.10	0.400	1.24	ND	ND		2	WG1278777
Carbon tetrachloride	56-23-5	154	0.400	2.52	ND	ND		2	WG1278777
Chlorobenzene	108-90-7	113	0.400	1.85	ND	ND		2	WG1278777
Chloroethane	75-00-3	64.50	0.400	1.06	ND	ND		2	WG1278777
Chloroform	67-66-3	119	0.400	1.95	ND	ND		2	WG1278777
Chloromethane	74-87-3	50.50	0.400	0.826	0.695	1.44		2	WG1278777
2-Chlorotoluene	95-49-8	126	0.400	2.06	ND	ND		2	WG1278777
Cyclohexane	110-82-7	84.20	0.400	1.38	ND	ND		2	WG1278777
Dibromochloromethane	124-48-1	208	0.400	3.40	ND	ND		2	WG1278777
1,2-Dibromoethane	106-93-4	188	0.400	3.08	ND	ND		2	WG1278777
1,2-Dichlorobenzene	95-50-1	147	0.400	2.40	ND	ND		2	WG1278777
1,3-Dichlorobenzene	541-73-1	147	0.400	2.40	ND	ND		2	WG1278777
1,4-Dichlorobenzene	106-46-7	147	0.400	2.40	ND	ND		2	WG1278777
1,2-Dichloroethane	107-06-2	99	0.400	1.62	ND	ND		2	WG1278777
1,1-Dichloroethane	75-34-3	98	0.400	1.60	ND	ND		2	WG1278777
1,1-Dichloroethene	75-35-4	96.90	0.400	1.59	ND	ND		2	WG1278777
cis-1,2-Dichloroethene	156-59-2	96.90	0.400	1.59	ND	ND		2	WG1278777
trans-1,2-Dichloroethene	156-60-5	96.90	0.400	1.59	ND	ND		2	WG1278777
1,2-Dichloropropane	78-87-5	113	0.400	1.85	ND	ND		2	WG1278777
cis-1,3-Dichloropropene	10061-01-5	111	0.400	1.82	ND	ND		2	WG1278777
trans-1,3-Dichloropropene	10061-02-6	111	0.400	1.82	ND	ND		2	WG1278777
1,4-Dioxane	123-91-1	88.10	0.400	1.44	ND	ND		2	WG1278777
Ethanol	64-17-5	46.10	1.26	2.38	21.0	39.6		2	WG1278777
Ethylbenzene	100-41-4	106	0.400	1.73	ND	ND		2	WG1278777
4-Ethyltoluene	622-96-8	120	0.400	1.96	ND	ND		2	WG1278777
Trichlorofluoromethane	75-69-4	137.40	0.400	2.25	ND	ND		2	WG1278777
Dichlorodifluoromethane	75-71-8	120.92	0.400	1.98	0.455	2.25		2	WG1278777
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.400	3.07	ND	ND		2	WG1278777
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.400	2.80	ND	ND		2	WG1278777
Heptane	142-82-5	100	0.400	1.64	ND	ND		2	WG1278777
Hexachloro-1,3-butadiene	87-68-3	261	1.26	13.5	ND	ND		2	WG1278777
n-Hexane	110-54-3	86.20	0.400	1.41	ND	ND		2	WG1278777
Isopropylbenzene	98-82-8	120.20	0.400	1.97	ND	ND		2	WG1278777
Methylene Chloride	75-09-2	84.90	0.400	1.39	0.776	2.69		2	WG1278777
Methyl Butyl Ketone	591-78-6	100	2.50	10.2	ND	ND		2	WG1278777
2-Butanone (MEK)	78-93-3	72.10	2.50	7.37	ND	ND		2	WG1278777
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	2.50	10.2	ND	ND		2	WG1278777
Methyl methacrylate	80-62-6	100.12	0.400	1.64	ND	ND		2	WG1278777
MTBE	1634-04-4	88.10	0.400	1.44	ND	ND		2	WG1278777
Naphthalene	91-20-3	128	1.26	6.60	ND	ND		2	WG1278777
2-Propanol	67-63-0	60.10	2.50	6.15	ND	ND		2	WG1278777
Propene	115-07-1	42.10	0.800	1.38	ND	ND		2	WG1278777
Styrene	100-42-5	104	0.400	1.70	ND	ND		2	WG1278777
1,1,2,2-Tetrachloroethane	79-34-5	168	0.400	2.75	ND	ND		2	WG1278777
Tetrachloroethylene	127-18-4	166	0.400	2.72	ND	ND		2	WG1278777
Tetrahydrofuran	109-99-9	72.10	0.400	1.18	ND	ND		2	WG1278777
Toluene	108-88-3	92.10	0.400	1.51	0.540	2.03		2	WG1278777
1,2,4-Trichlorobenzene	120-82-1	181	1.26	9.33	ND	ND		2	WG1278777

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.400	2.18	ND	ND		2	WG1278777
1,1,2-Trichloroethane	79-00-5	133	0.400	2.18	ND	ND		2	WG1278777
Trichloroethylene	79-01-6	131	0.400	2.14	ND	ND		2	WG1278777
1,2,4-Trimethylbenzene	95-63-6	120	0.400	1.96	0.937	4.60		2	WG1278777
1,3,5-Trimethylbenzene	108-67-8	120	0.400	1.96	ND	ND		2	WG1278777
2,2,4-Trimethylpentane	540-84-1	114.22	0.400	1.87	ND	ND		2	WG1278777
Vinyl chloride	75-01-4	62.50	0.400	1.02	ND	ND		2	WG1278777
Vinyl Bromide	593-60-2	106.95	0.400	1.75	ND	ND		2	WG1278777
Vinyl acetate	108-05-4	86.10	0.400	1.41	ND	ND		2	WG1278777
m&p-Xylene	1330-20-7	106	0.800	3.47	1.01	4.36		2	WG1278777
o-Xylene	95-47-6	106	0.400	1.73	0.438	1.90		2	WG1278777
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*117*				WG1278777

Method Blank (MB)

(MB) R3410225-3 05/10/19 11:24

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.0569	1.25
Allyl Chloride	U		0.0546	0.200
Benzene	U		0.0460	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0436	0.200
Bromoform	U		0.0786	0.600
Bromomethane	U		0.0609	0.200
1,3-Butadiene	U		0.0563	2.00
Carbon disulfide	U		0.0544	0.200
Carbon tetrachloride	U		0.0585	0.200
Chlorobenzene	U		0.0601	0.200
Chloroethane	U		0.0489	0.200
Chloroform	U		0.0574	0.200
Chloromethane	U		0.0544	0.200
2-Chlorotoluene	U		0.0605	0.200
Cyclohexane	U		0.0534	0.200
Dibromochloromethane	U		0.0494	0.200
1,2-Dibromoethane	U		0.0185	0.200
1,2-Dichlorobenzene	U		0.0603	0.200
1,3-Dichlorobenzene	U		0.0597	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0616	0.200
1,1-Dichloroethane	U		0.0514	0.200
1,1-Dichloroethene	U		0.0490	0.200
cis-1,2-Dichloroethene	U		0.0389	0.200
trans-1,2-Dichloroethene	U		0.0464	0.200
1,2-Dichloropropane	U		0.0599	0.200
cis-1,3-Dichloropropene	U		0.0588	0.200
trans-1,3-Dichloropropene	U		0.0435	0.200
1,4-Dioxane	U		0.0554	0.200
Ethylbenzene	U		0.0506	0.200
4-Ethyltoluene	U		0.0666	0.200
Trichlorofluoromethane	U		0.0673	0.200
Dichlorodifluoromethane	U		0.0601	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0687	0.200
1,2-Dichlorotetrafluoroethane	U		0.0458	0.200
Heptane	U		0.0626	0.200
Hexachloro-1,3-butadiene	U		0.0656	0.630
n-Hexane	U		0.0457	0.200
Isopropylbenzene	U		0.0563	0.200

Method Blank (MB)

(MB) R3410225-3 05/10/19 11:24

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Methylene Chloride	U		0.0465	0.200
Methyl Butyl Ketone	U		0.0682	1.25
2-Butanone (MEK)	U		0.0493	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0650	1.25
Methyl Methacrylate	U		0.0773	0.200
MTBE	U		0.0505	0.200
Naphthalene	U		0.154	0.630
2-Propanol	U		0.0882	1.25
Propene	U		0.0932	0.400
Styrene	U		0.0465	0.200
1,1,2,2-Tetrachloroethane	U		0.0576	0.200
Tetrachloroethylene	U		0.0497	0.200
Tetrahydrofuran	U		0.0508	0.200
Toluene	U		0.0499	0.200
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0665	0.200
1,1,2-Trichloroethane	U		0.0287	0.200
Trichloroethylene	U		0.0545	0.200
1,2,4-Trimethylbenzene	U		0.0483	0.200
1,3,5-Trimethylbenzene	U		0.0631	0.200
2,2,4-Trimethylpentane	U		0.0456	0.200
Vinyl chloride	U		0.0457	0.200
Vinyl Bromide	U		0.0727	0.200
Vinyl acetate	U		0.0639	0.200
m&p-Xylene	U		0.0946	0.400
o-Xylene	U		0.0633	0.200
Ethanol	U		0.0832	0.630
(S) 1,4-Bromofluorobenzene	*104*			*60.0-140*

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

(LCS) R3410225-1 05/10/19 09:52 • (LCSD) R3410225-2 05/10/19 10:38

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethanol	3.75	3.53	3.38	94.2	90.2	55.0-148			4.36	25
Propene	3.75	3.83	3.81	102	102	64.0-144			0.450	25
Dichlorodifluoromethane	3.75	3.86	3.83	103	102	64.0-139			0.686	25
1,2-Dichlorotetrafluoroethane	3.75	3.81	3.81	102	102	70.0-130			0.0152	25
Chloromethane	3.75	3.71	3.71	98.9	98.8	70.0-130			0.118	25

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

(LCS) R3410225-1 05/10/19 09:52 • (LCSD) R3410225-2 05/10/19 10:38

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Vinyl chloride	3.75	3.38	3.33	90.2	88.7	70.0-130			1.69	25
1,3-Butadiene	3.75	3.26	3.29	87.0	87.7	70.0-130			0.789	25
Bromomethane	3.75	3.17	3.15	84.5	84.0	70.0-130			0.563	25
Chloroethane	3.75	3.19	3.17	85.0	84.6	70.0-130			0.544	25
Trichlorofluoromethane	3.75	3.39	3.34	90.3	89.1	70.0-130			1.41	25
1,1,2-Trichlorotrifluoroethane	3.75	3.74	3.73	99.8	99.5	70.0-130			0.376	25
1,1-Dichloroethene	3.75	3.71	3.69	98.9	98.3	70.0-130			0.668	25
1,1-Dichloroethane	3.75	3.69	3.72	98.4	99.1	70.0-130			0.698	25
Acetone	3.75	3.47	3.47	92.6	92.6	70.0-130			0.0499	25
2-Propanol	3.75	3.58	3.60	95.5	96.0	70.0-139			0.496	25
Carbon disulfide	3.75	3.65	3.71	97.3	99.0	70.0-130			1.68	25
Methylene Chloride	3.75	3.41	3.46	91.0	92.3	70.0-130			1.42	25
MTBE	3.75	3.84	3.87	102	103	70.0-130			0.759	25
trans-1,2-Dichloroethene	3.75	3.73	3.76	99.4	100	70.0-130			0.787	25
n-Hexane	3.75	3.80	3.80	101	101	70.0-130			0.165	25
Vinyl acetate	3.75	3.85	3.84	103	102	70.0-130			0.402	25
Methyl Ethyl Ketone	3.75	3.75	3.77	100	101	70.0-130			0.584	25
cis-1,2-Dichloroethene	3.75	3.74	3.78	99.7	101	70.0-130			1.05	25
Chloroform	3.75	3.65	3.64	97.3	97.1	70.0-130			0.214	25
Cyclohexane	3.75	3.76	3.82	100	102	70.0-130			1.50	25
1,1,1-Trichloroethane	3.75	3.72	3.74	99.2	99.7	70.0-130			0.481	25
Carbon tetrachloride	3.75	3.74	3.75	99.7	100	70.0-130			0.419	25
Benzene	3.75	3.67	3.66	97.7	97.6	70.0-130			0.145	25
1,2-Dichloroethane	3.75	3.69	3.70	98.3	98.6	70.0-130			0.261	25
Heptane	3.75	3.78	3.79	101	101	70.0-130			0.328	25
Trichloroethylene	3.75	3.76	3.74	100	99.8	70.0-130			0.519	25
1,2-Dichloropropane	3.75	3.64	3.60	97.0	96.0	70.0-130			1.08	25
1,4-Dioxane	3.75	3.79	3.84	101	102	70.0-140			1.45	25
Bromodichloromethane	3.75	3.65	3.64	97.3	97.0	70.0-130			0.320	25
cis-1,3-Dichloropropene	3.75	3.78	3.79	101	101	70.0-130			0.309	25
4-Methyl-2-pentanone (MIBK)	3.75	3.73	3.78	99.5	101	70.0-139			1.43	25
Toluene	3.75	3.81	3.82	102	102	70.0-130			0.334	25
trans-1,3-Dichloropropene	3.75	3.78	3.82	101	102	70.0-130			0.877	25
1,1,2-Trichloroethane	3.75	3.66	3.67	97.5	97.8	70.0-130			0.311	25
Tetrachloroethylene	3.75	3.95	4.00	105	107	70.0-130			1.23	25
Methyl Butyl Ketone	3.75	3.81	3.87	102	103	70.0-149			1.66	25
Dibromochloromethane	3.75	3.82	3.82	102	102	70.0-130			0.0196	25
1,2-Dibromoethane	3.75	3.81	3.80	102	101	70.0-130			0.302	25
Chlorobenzene	3.75	3.72	3.68	99.1	98.1	70.0-130			0.941	25
Ethylbenzene	3.75	3.80	3.83	101	102	70.0-130			0.850	25

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

(LCS) R3410225-1 05/10/19 09:52 • (LCSD) R3410225-2 05/10/19 10:38

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
m&p-Xylene	7.50	7.91	7.90	105	105	70.0-130			0.130	25
o-Xylene	3.75	4.06	4.04	108	108	70.0-130			0.552	25
Styrene	3.75	4.06	4.04	108	108	70.0-130			0.560	25
Bromoform	3.75	4.29	4.11	114	110	70.0-130			4.32	25
1,1,2,2-Tetrachloroethane	3.75	3.81	3.66	102	97.7	70.0-130			3.97	25
4-Ethyltoluene	3.75	4.14	4.02	111	107	70.0-130			3.01	25
1,3,5-Trimethylbenzene	3.75	4.02	4.03	107	108	70.0-130			0.422	25
1,2,4-Trimethylbenzene	3.75	4.09	3.97	109	106	70.0-130			2.96	25
1,3-Dichlorobenzene	3.75	4.10	3.95	109	105	70.0-130			3.55	25
1,4-Dichlorobenzene	3.75	4.09	3.98	109	106	70.0-130			2.76	25
Benzyl Chloride	3.75	4.07	3.88	108	103	70.0-152			4.68	25
1,2-Dichlorobenzene	3.75	4.03	3.88	108	103	70.0-130			3.96	25
1,2,4-Trichlorobenzene	3.75	4.45	4.24	119	113	70.0-160			4.81	25
Hexachloro-1,3-butadiene	3.75	4.37	4.24	116	113	70.0-151			2.85	25
Naphthalene	3.75	4.24	4.16	113	111	70.0-159			2.00	25
Allyl Chloride	3.75	3.87	3.83	103	102	70.0-130			1.04	25
2-Chlorotoluene	3.75	4.02	3.97	107	106	70.0-130			1.25	25
Methyl Methacrylate	3.75	3.67	3.69	97.8	98.4	70.0-130			0.663	25
Tetrahydrofuran	3.75	3.70	3.73	98.7	99.5	70.0-137			0.721	25
2,2,4-Trimethylpentane	3.75	3.84	3.86	102	103	70.0-130			0.592	25
Vinyl Bromide	3.75	3.37	3.30	89.9	87.9	70.0-130			2.17	25
Isopropylbenzene	3.75	4.12	4.06	110	108	70.0-130			1.39	25
(S) 1,4-Bromofluorobenzene				*106*	*104*	*60.0-140*				

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.
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

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

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

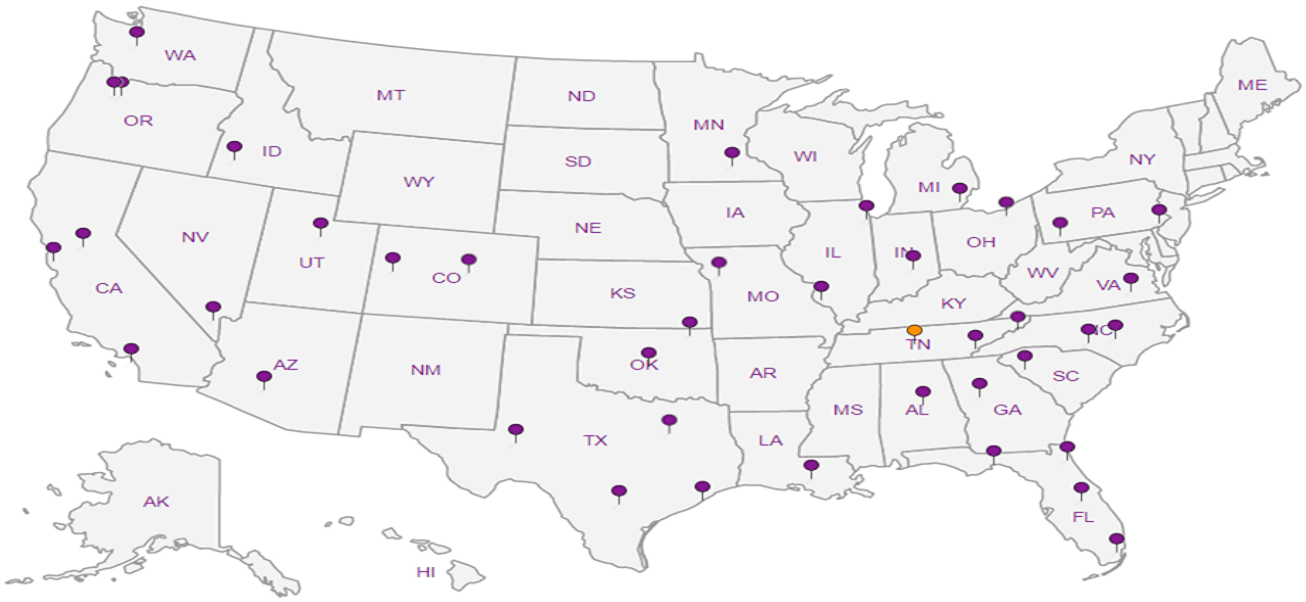
Third Party Federal Accreditations

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 # ~~1413-80~~ (P)

Lab Project # PESENVSWA-ALP

Collected by (print): C. DeBoer

Site/Facility ID #

P.O. #

Collected by (signature): Chris DeBoer

Immediately Packed on Ice N X Y ___

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

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TO-15 Summa	Remarks	Sample # (lab only)
SV01-042919	Grab	Air	~12	4/29/19	1025	1	X		-01
SV01-042919-D		Air	~12		1030	1	X		-02
SV02-042919		Air	~12		1140	1	X		-03
SV03-042919		Air	~12		1250	1	X		-04

Analysis / Container / Preservative

Pres Chk

Chain of Custody Page ___ of ___

Pace Analytical®
National Center for Testing & Innovation

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Mount Juliet, TN 37122
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Phone: 800-767-5859
Fax: 615-758-5859

L# L1095166

Table #

Acctnum: PESENVSWA
Template: T148412
Prelogin: P701387
TSR: 110 - Brian Ford
PB: BF 4/3/19

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 # 4791 5836 2250

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)
Chris DeBoer	4/29/19	1400	
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: Amb °C Bottles Received: 4

Date: 5/3/19 Time: 8:45

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

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ANALYTICAL REPORT

May 13, 2019

PES Environmental, Inc.- WA

Sample Delivery Group:	L1095349
Samples Received:	05/04/2019
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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MW120-050319 L1095349-01 GW

Collected by: K. Zygas | Collected date/time: 05/03/19 09:00 | Received date/time: 05/04/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1278682	1	05/10/19 16:24	05/10/19 16:24	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1276067	1	05/04/19 16:56	05/04/19 16:56	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1276616	1	05/06/19 17:49	05/06/19 17:49	AKA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1275860	5	05/06/19 15:23	05/07/19 22:02	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1277188	1	05/07/19 17:48	05/07/19 17:48	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1277421	1	05/09/19 13:42	05/09/19 13:42	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1277852	1	05/08/19 16:44	05/08/19 16:44	ADM	Mt. Juliet, TN

MW911-050319 L1095349-02 GW

Collected by: K. Zygas | Collected date/time: 05/03/19 10:10 | Received date/time: 05/04/19 08:45

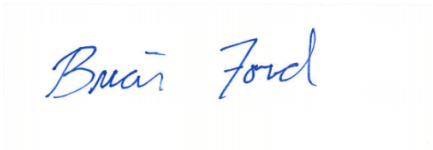
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1278682	1	05/10/19 16:31	05/10/19 16:31	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1276067	1	05/04/19 17:11	05/04/19 17:11	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1276616	1	05/06/19 18:04	05/06/19 18:04	AKA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1275860	1	05/06/19 15:23	05/07/19 14:18	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1275860	2	05/06/19 15:23	05/07/19 21:48	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1277738	1	05/08/19 15:33	05/08/19 15:33	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1277421	1	05/09/19 13:45	05/09/19 13:45	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1277852	1	05/08/19 17:03	05/08/19 17:03	ADM	Mt. Juliet, TN

TRIP BLANK-050319 L1095349-03 GW

Collected by: K. Zygas | Collected date/time: 05/03/19 00:00 | Received date/time: 05/04/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1277738	1	05/08/19 14:45	05/08/19 14:45	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1277852	1	05/08/19 14:27	05/08/19 14:27	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

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	217000		2710	20000	1	05/10/2019 16:24	WG1278682

Sample Narrative:

L1095349-01 WG1278682: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	20500		51.9	1000	1	05/04/2019 16:56	WG1276067
Nitrate	2010		22.7	100	1	05/04/2019 16:56	WG1276067
Sulfate	66200		77.4	5000	1	05/04/2019 16:56	WG1276067

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)	1660	B	102	1000	1	05/06/2019 17:49	WG1276616

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	2310		75.0	500	5	05/07/2019 22:02	WG1275860
Manganese	384		1.25	25.0	5	05/07/2019 22:02	WG1275860

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	111	B	31.6	100	1	05/07/2019 17:48	WG1277188
(S) a,a,a-Trifluorotoluene(FID)	*85.3*			*78.0-120*		*05/07/2019 17:48*	WG1277188

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	157		0.287	0.678	1	05/09/2019 13:42	WG1277421
Ethane	U		0.296	1.29	1	05/09/2019 13:42	WG1277421
Ethene	U		0.422	1.27	1	05/09/2019 13:42	WG1277421

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	05/08/2019 16:44	WG1277852
Acrylonitrile	U		0.873	5.00	1	05/08/2019 16:44	WG1277852
Benzene	U		0.0896	0.500	1	05/08/2019 16:44	WG1277852
Bromobenzene	U		0.133	0.500	1	05/08/2019 16:44	WG1277852
Bromodichloromethane	U		0.0800	0.500	1	05/08/2019 16:44	WG1277852
Bromochloromethane	U		0.145	0.500	1	05/08/2019 16:44	WG1277852
Bromoform	U		0.186	0.500	1	05/08/2019 16:44	WG1277852
Bromomethane	U		0.157	2.50	1	05/08/2019 16:44	WG1277852
n-Butylbenzene	U		0.143	0.500	1	05/08/2019 16:44	WG1277852
sec-Butylbenzene	U		0.134	0.500	1	05/08/2019 16:44	WG1277852
tert-Butylbenzene	U		0.183	0.500	1	05/08/2019 16:44	WG1277852
Carbon disulfide	U		0.101	0.500	1	05/08/2019 16:44	WG1277852
Carbon tetrachloride	U		0.159	0.500	1	05/08/2019 16:44	WG1277852

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	05/08/2019 16:44	WG1277852
Chlorodibromomethane	U		0.128	0.500	1	05/08/2019 16:44	WG1277852
Chloroethane	U		0.141	2.50	1	05/08/2019 16:44	WG1277852
Chloroform	U		0.0860	0.500	1	05/08/2019 16:44	WG1277852
Chloromethane	U		0.153	1.25	1	05/08/2019 16:44	WG1277852
2-Chlorotoluene	U		0.111	0.500	1	05/08/2019 16:44	WG1277852
4-Chlorotoluene	U		0.0972	0.500	1	05/08/2019 16:44	WG1277852
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	05/08/2019 16:44	WG1277852
1,2-Dibromoethane	U		0.193	0.500	1	05/08/2019 16:44	WG1277852
Dibromomethane	U		0.117	0.500	1	05/08/2019 16:44	WG1277852
1,2-Dichlorobenzene	U		0.101	0.500	1	05/08/2019 16:44	WG1277852
1,3-Dichlorobenzene	U		0.130	0.500	1	05/08/2019 16:44	WG1277852
1,4-Dichlorobenzene	U		0.121	0.500	1	05/08/2019 16:44	WG1277852
Dichlorodifluoromethane	U		0.127	2.50	1	05/08/2019 16:44	WG1277852
1,1-Dichloroethane	1.70		0.114	0.500	1	05/08/2019 16:44	WG1277852
1,2-Dichloroethane	U		0.108	0.500	1	05/08/2019 16:44	WG1277852
1,1-Dichloroethene	0.812		0.188	0.500	1	05/08/2019 16:44	WG1277852
cis-1,2-Dichloroethene	87.2		0.0933	0.500	1	05/08/2019 16:44	WG1277852
trans-1,2-Dichloroethene	0.258	J	0.152	0.500	1	05/08/2019 16:44	WG1277852
1,2-Dichloropropane	U		0.190	0.500	1	05/08/2019 16:44	WG1277852
1,1-Dichloropropene	U		0.128	0.500	1	05/08/2019 16:44	WG1277852
1,3-Dichloropropane	U		0.147	1.00	1	05/08/2019 16:44	WG1277852
cis-1,3-Dichloropropene	U		0.0976	0.500	1	05/08/2019 16:44	WG1277852
trans-1,3-Dichloropropene	U		0.222	0.500	1	05/08/2019 16:44	WG1277852
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	05/08/2019 16:44	WG1277852
2,2-Dichloropropane	U		0.0929	0.500	1	05/08/2019 16:44	WG1277852
Di-isopropyl ether	U		0.0924	0.500	1	05/08/2019 16:44	WG1277852
Ethylbenzene	U		0.158	0.500	1	05/08/2019 16:44	WG1277852
Hexachloro-1,3-butadiene	U		0.157	1.00	1	05/08/2019 16:44	WG1277852
2-Hexanone	U		0.757	5.00	1	05/08/2019 16:44	WG1277852
n-Hexane	U		0.305	5.00	1	05/08/2019 16:44	WG1277852
Iodomethane	U		0.377	10.0	1	05/08/2019 16:44	WG1277852
Isopropylbenzene	U		0.126	0.500	1	05/08/2019 16:44	WG1277852
p-Isopropyltoluene	U		0.138	0.500	1	05/08/2019 16:44	WG1277852
2-Butanone (MEK)	U		1.28	5.00	1	05/08/2019 16:44	WG1277852
Methylene Chloride	U		1.07	2.50	1	05/08/2019 16:44	WG1277852
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	05/08/2019 16:44	WG1277852
Methyl tert-butyl ether	U		0.102	0.500	1	05/08/2019 16:44	WG1277852
Naphthalene	U		0.174	2.50	1	05/08/2019 16:44	WG1277852
n-Propylbenzene	U		0.162	0.500	1	05/08/2019 16:44	WG1277852
Styrene	U		0.117	0.500	1	05/08/2019 16:44	WG1277852
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	05/08/2019 16:44	WG1277852
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	05/08/2019 16:44	WG1277852
1,1,2-Trichlorotrifluoroethane	0.477	J	0.164	0.500	1	05/08/2019 16:44	WG1277852
Tetrachloroethene	155		0.199	0.500	1	05/08/2019 16:44	WG1277852
Toluene	U		0.412	0.500	1	05/08/2019 16:44	WG1277852
1,2,3-Trichlorobenzene	U		0.164	0.500	1	05/08/2019 16:44	WG1277852
1,2,4-Trichlorobenzene	U		0.355	0.500	1	05/08/2019 16:44	WG1277852
1,1,1-Trichloroethane	0.261	J	0.0940	0.500	1	05/08/2019 16:44	WG1277852
1,1,2-Trichloroethane	U		0.186	0.500	1	05/08/2019 16:44	WG1277852
Trichloroethene	46.9		0.153	0.500	1	05/08/2019 16:44	WG1277852
Trichlorofluoromethane	U		0.130	2.50	1	05/08/2019 16:44	WG1277852
1,2,3-Trichloropropane	U		0.247	2.50	1	05/08/2019 16:44	WG1277852
1,2,4-Trimethylbenzene	U		0.123	0.500	1	05/08/2019 16:44	WG1277852
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	05/08/2019 16:44	WG1277852
1,3,5-Trimethylbenzene	U		0.124	0.500	1	05/08/2019 16:44	WG1277852

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	05/08/2019 16:44	WG1277852
Vinyl chloride	1.28		0.118	0.500	1	05/08/2019 16:44	WG1277852
Xylenes, Total	U		0.316	1.50	1	05/08/2019 16:44	WG1277852
(S) Toluene-d8	*92.8*			*80.0-120*		*05/08/2019 16:44*	WG1277852
(S) 4-Bromofluorobenzene	*93.5*			*77.0-126*		*05/08/2019 16:44*	WG1277852
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*05/08/2019 16:44*	WG1277852

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	217000		2710	20000	1	05/10/2019 16:31	WG1278682

Sample Narrative:

L1095349-02 WG1278682: 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	20300		51.9	1000	1	05/04/2019 17:11	WG1276067
Nitrate	1960		22.7	100	1	05/04/2019 17:11	WG1276067
Sulfate	65900		77.4	5000	1	05/04/2019 17:11	WG1276067

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)	1580	B	102	1000	1	05/06/2019 18:04	WG1276616

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1120	O1	15.0	100	1	05/07/2019 14:18	WG1275860
Manganese	346		0.500	10.0	2	05/07/2019 21:48	WG1275860
Manganese	321	O1	0.250	5.00	1	05/07/2019 14:18	WG1275860

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	138	B	31.6	100	1	05/08/2019 15:33	WG1277738
(S) a,a,a-Trifluorotoluene(FID)	*85.2*			*78.0-120*		*05/08/2019 15:33*	WG1277738

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	115		0.287	0.678	1	05/09/2019 13:45	WG1277421
Ethane	U		0.296	1.29	1	05/09/2019 13:45	WG1277421
Ethene	U		0.422	1.27	1	05/09/2019 13:45	WG1277421

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	05/08/2019 17:03	WG1277852
Acrylonitrile	U		0.873	5.00	1	05/08/2019 17:03	WG1277852
Benzene	U		0.0896	0.500	1	05/08/2019 17:03	WG1277852
Bromobenzene	U		0.133	0.500	1	05/08/2019 17:03	WG1277852
Bromodichloromethane	U		0.0800	0.500	1	05/08/2019 17:03	WG1277852
Bromochloromethane	U		0.145	0.500	1	05/08/2019 17:03	WG1277852
Bromoform	U		0.186	0.500	1	05/08/2019 17:03	WG1277852
Bromomethane	U		0.157	2.50	1	05/08/2019 17:03	WG1277852
n-Butylbenzene	U		0.143	0.500	1	05/08/2019 17:03	WG1277852
sec-Butylbenzene	U		0.134	0.500	1	05/08/2019 17:03	WG1277852
tert-Butylbenzene	U		0.183	0.500	1	05/08/2019 17:03	WG1277852
Carbon disulfide	U		0.101	0.500	1	05/08/2019 17:03	WG1277852

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Carbon tetrachloride	U		0.159	0.500	1	05/08/2019 17:03	WG1277852
Chlorobenzene	U		0.140	0.500	1	05/08/2019 17:03	WG1277852
Chlorodibromomethane	U		0.128	0.500	1	05/08/2019 17:03	WG1277852
Chloroethane	U		0.141	2.50	1	05/08/2019 17:03	WG1277852
Chloroform	0.142	J	0.0860	0.500	1	05/08/2019 17:03	WG1277852
Chloromethane	U		0.153	1.25	1	05/08/2019 17:03	WG1277852
2-Chlorotoluene	U		0.111	0.500	1	05/08/2019 17:03	WG1277852
4-Chlorotoluene	U		0.0972	0.500	1	05/08/2019 17:03	WG1277852
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	05/08/2019 17:03	WG1277852
1,2-Dibromoethane	U		0.193	0.500	1	05/08/2019 17:03	WG1277852
Dibromomethane	U		0.117	0.500	1	05/08/2019 17:03	WG1277852
1,2-Dichlorobenzene	U		0.101	0.500	1	05/08/2019 17:03	WG1277852
1,3-Dichlorobenzene	U		0.130	0.500	1	05/08/2019 17:03	WG1277852
1,4-Dichlorobenzene	U		0.121	0.500	1	05/08/2019 17:03	WG1277852
Dichlorodifluoromethane	U		0.127	2.50	1	05/08/2019 17:03	WG1277852
1,1-Dichloroethane	1.76		0.114	0.500	1	05/08/2019 17:03	WG1277852
1,2-Dichloroethane	U		0.108	0.500	1	05/08/2019 17:03	WG1277852
1,1-Dichloroethene	0.866		0.188	0.500	1	05/08/2019 17:03	WG1277852
cis-1,2-Dichloroethene	89.0		0.0933	0.500	1	05/08/2019 17:03	WG1277852
trans-1,2-Dichloroethene	0.227	J	0.152	0.500	1	05/08/2019 17:03	WG1277852
1,2-Dichloropropane	U		0.190	0.500	1	05/08/2019 17:03	WG1277852
1,1-Dichloropropene	U		0.128	0.500	1	05/08/2019 17:03	WG1277852
1,3-Dichloropropane	U		0.147	1.00	1	05/08/2019 17:03	WG1277852
cis-1,3-Dichloropropene	U		0.0976	0.500	1	05/08/2019 17:03	WG1277852
trans-1,3-Dichloropropene	U		0.222	0.500	1	05/08/2019 17:03	WG1277852
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	05/08/2019 17:03	WG1277852
2,2-Dichloropropane	U		0.0929	0.500	1	05/08/2019 17:03	WG1277852
Di-isopropyl ether	U		0.0924	0.500	1	05/08/2019 17:03	WG1277852
Ethylbenzene	U		0.158	0.500	1	05/08/2019 17:03	WG1277852
Hexachloro-1,3-butadiene	U		0.157	1.00	1	05/08/2019 17:03	WG1277852
2-Hexanone	U		0.757	5.00	1	05/08/2019 17:03	WG1277852
n-Hexane	U		0.305	5.00	1	05/08/2019 17:03	WG1277852
Iodomethane	U		0.377	10.0	1	05/08/2019 17:03	WG1277852
Isopropylbenzene	U		0.126	0.500	1	05/08/2019 17:03	WG1277852
p-Isopropyltoluene	U		0.138	0.500	1	05/08/2019 17:03	WG1277852
2-Butanone (MEK)	U		1.28	5.00	1	05/08/2019 17:03	WG1277852
Methylene Chloride	U		1.07	2.50	1	05/08/2019 17:03	WG1277852
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	05/08/2019 17:03	WG1277852
Methyl tert-butyl ether	U		0.102	0.500	1	05/08/2019 17:03	WG1277852
Naphthalene	U		0.174	2.50	1	05/08/2019 17:03	WG1277852
n-Propylbenzene	U		0.162	0.500	1	05/08/2019 17:03	WG1277852
Styrene	U		0.117	0.500	1	05/08/2019 17:03	WG1277852
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	05/08/2019 17:03	WG1277852
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	05/08/2019 17:03	WG1277852
1,1,2-Trichlorotrifluoroethane	0.412	J	0.164	0.500	1	05/08/2019 17:03	WG1277852
Tetrachloroethene	182		0.199	0.500	1	05/08/2019 17:03	WG1277852
Toluene	U		0.412	0.500	1	05/08/2019 17:03	WG1277852
1,2,3-Trichlorobenzene	U		0.164	0.500	1	05/08/2019 17:03	WG1277852
1,2,4-Trichlorobenzene	U		0.355	0.500	1	05/08/2019 17:03	WG1277852
1,1,1-Trichloroethane	0.290	J	0.0940	0.500	1	05/08/2019 17:03	WG1277852
1,1,2-Trichloroethane	U		0.186	0.500	1	05/08/2019 17:03	WG1277852
Trichloroethene	51.1		0.153	0.500	1	05/08/2019 17:03	WG1277852
Trichlorofluoromethane	U		0.130	2.50	1	05/08/2019 17:03	WG1277852
1,2,3-Trichloropropane	U		0.247	2.50	1	05/08/2019 17:03	WG1277852
1,2,4-Trimethylbenzene	U		0.123	0.500	1	05/08/2019 17:03	WG1277852
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	05/08/2019 17:03	WG1277852

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,3,5-Trimethylbenzene	U		0.124	0.500	1	05/08/2019 17:03	WG1277852
Vinyl acetate	U		0.645	5.00	1	05/08/2019 17:03	WG1277852
Vinyl chloride	1.30		0.118	0.500	1	05/08/2019 17:03	WG1277852
Xylenes, Total	U		0.316	1.50	1	05/08/2019 17:03	WG1277852
(S) Toluene-d8	*95.2*			*80.0-120*		*05/08/2019 17:03*	WG1277852
(S) 4-Bromofluorobenzene	*94.1*			*77.0-126*		*05/08/2019 17:03*	WG1277852
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*05/08/2019 17:03*	WG1277852

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	05/08/2019 14:45	WG1277738
(S) a,a,a-Trifluorotoluene(FID)	*85.2*			*78.0-120*		*05/08/2019 14:45*	WG1277738

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	05/08/2019 14:27	WG1277852
Acrylonitrile	U		0.873	5.00	1	05/08/2019 14:27	WG1277852
Benzene	U		0.0896	0.500	1	05/08/2019 14:27	WG1277852
Bromobenzene	U		0.133	0.500	1	05/08/2019 14:27	WG1277852
Bromodichloromethane	U		0.0800	0.500	1	05/08/2019 14:27	WG1277852
Bromochloromethane	U		0.145	0.500	1	05/08/2019 14:27	WG1277852
Bromoform	U		0.186	0.500	1	05/08/2019 14:27	WG1277852
Bromomethane	U		0.157	2.50	1	05/08/2019 14:27	WG1277852
n-Butylbenzene	U		0.143	0.500	1	05/08/2019 14:27	WG1277852
sec-Butylbenzene	U		0.134	0.500	1	05/08/2019 14:27	WG1277852
tert-Butylbenzene	U		0.183	0.500	1	05/08/2019 14:27	WG1277852
Carbon disulfide	U		0.101	0.500	1	05/08/2019 14:27	WG1277852
Carbon tetrachloride	U		0.159	0.500	1	05/08/2019 14:27	WG1277852
Chlorobenzene	U		0.140	0.500	1	05/08/2019 14:27	WG1277852
Chlorodibromomethane	U		0.128	0.500	1	05/08/2019 14:27	WG1277852
Chloroethane	U		0.141	2.50	1	05/08/2019 14:27	WG1277852
Chloroform	U		0.0860	0.500	1	05/08/2019 14:27	WG1277852
Chloromethane	U		0.153	1.25	1	05/08/2019 14:27	WG1277852
2-Chlorotoluene	U		0.111	0.500	1	05/08/2019 14:27	WG1277852
4-Chlorotoluene	U		0.0972	0.500	1	05/08/2019 14:27	WG1277852
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	05/08/2019 14:27	WG1277852
1,2-Dibromoethane	U		0.193	0.500	1	05/08/2019 14:27	WG1277852
Dibromomethane	U		0.117	0.500	1	05/08/2019 14:27	WG1277852
1,2-Dichlorobenzene	U		0.101	0.500	1	05/08/2019 14:27	WG1277852
1,3-Dichlorobenzene	U		0.130	0.500	1	05/08/2019 14:27	WG1277852
1,4-Dichlorobenzene	U		0.121	0.500	1	05/08/2019 14:27	WG1277852
Dichlorodifluoromethane	U		0.127	2.50	1	05/08/2019 14:27	WG1277852
1,1-Dichloroethane	U		0.114	0.500	1	05/08/2019 14:27	WG1277852
1,2-Dichloroethane	U		0.108	0.500	1	05/08/2019 14:27	WG1277852
1,1-Dichloroethene	U		0.188	0.500	1	05/08/2019 14:27	WG1277852
cis-1,2-Dichloroethene	U		0.0933	0.500	1	05/08/2019 14:27	WG1277852
trans-1,2-Dichloroethene	U		0.152	0.500	1	05/08/2019 14:27	WG1277852
1,2-Dichloropropane	U		0.190	0.500	1	05/08/2019 14:27	WG1277852
1,1-Dichloropropene	U		0.128	0.500	1	05/08/2019 14:27	WG1277852
1,3-Dichloropropane	U		0.147	1.00	1	05/08/2019 14:27	WG1277852
cis-1,3-Dichloropropene	U		0.0976	0.500	1	05/08/2019 14:27	WG1277852
trans-1,3-Dichloropropene	U		0.222	0.500	1	05/08/2019 14:27	WG1277852
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	05/08/2019 14:27	WG1277852
2,2-Dichloropropane	U		0.0929	0.500	1	05/08/2019 14:27	WG1277852
Di-isopropyl ether	U		0.0924	0.500	1	05/08/2019 14:27	WG1277852
Ethylbenzene	U		0.158	0.500	1	05/08/2019 14:27	WG1277852
Hexachloro-1,3-butadiene	U		0.157	1.00	1	05/08/2019 14:27	WG1277852
2-Hexanone	U		0.757	5.00	1	05/08/2019 14:27	WG1277852
n-Hexane	U		0.305	5.00	1	05/08/2019 14:27	WG1277852
Iodomethane	U		0.377	10.0	1	05/08/2019 14:27	WG1277852
Isopropylbenzene	U		0.126	0.500	1	05/08/2019 14:27	WG1277852
p-Isopropyltoluene	U		0.138	0.500	1	05/08/2019 14:27	WG1277852
2-Butanone (MEK)	U		1.28	5.00	1	05/08/2019 14:27	WG1277852

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	05/08/2019 14:27	WG1277852
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	05/08/2019 14:27	WG1277852
Methyl tert-butyl ether	U		0.102	0.500	1	05/08/2019 14:27	WG1277852
Naphthalene	U		0.174	2.50	1	05/08/2019 14:27	WG1277852
n-Propylbenzene	U		0.162	0.500	1	05/08/2019 14:27	WG1277852
Styrene	U		0.117	0.500	1	05/08/2019 14:27	WG1277852
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	05/08/2019 14:27	WG1277852
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	05/08/2019 14:27	WG1277852
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	05/08/2019 14:27	WG1277852
Tetrachloroethene	U		0.199	0.500	1	05/08/2019 14:27	WG1277852
Toluene	U		0.412	0.500	1	05/08/2019 14:27	WG1277852
1,2,3-Trichlorobenzene	U		0.164	0.500	1	05/08/2019 14:27	WG1277852
1,2,4-Trichlorobenzene	U		0.355	0.500	1	05/08/2019 14:27	WG1277852
1,1,1-Trichloroethane	U		0.0940	0.500	1	05/08/2019 14:27	WG1277852
1,1,2-Trichloroethane	U		0.186	0.500	1	05/08/2019 14:27	WG1277852
Trichloroethene	U		0.153	0.500	1	05/08/2019 14:27	WG1277852
Trichlorofluoromethane	U		0.130	2.50	1	05/08/2019 14:27	WG1277852
1,2,3-Trichloropropane	U		0.247	2.50	1	05/08/2019 14:27	WG1277852
1,2,4-Trimethylbenzene	U		0.123	0.500	1	05/08/2019 14:27	WG1277852
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	05/08/2019 14:27	WG1277852
1,3,5-Trimethylbenzene	U		0.124	0.500	1	05/08/2019 14:27	WG1277852
Vinyl acetate	U		0.645	5.00	1	05/08/2019 14:27	WG1277852
Vinyl chloride	U		0.118	0.500	1	05/08/2019 14:27	WG1277852
Xylenes, Total	U		0.316	1.50	1	05/08/2019 14:27	WG1277852
(S) Toluene-d8	*94.0*			*80.0-120*		*05/08/2019 14:27*	WG1277852
(S) 4-Bromofluorobenzene	*94.3*			*77.0-126*		*05/08/2019 14:27*	WG1277852
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*05/08/2019 14:27*	WG1277852

Method Blank (MB)

(MB) R3410255-1 05/10/19 16:17

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Alkalinity	3040	J	2710	20000

Sample Narrative:

BLANK: Endpoint pH 4.5

L1095917-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1095917-14 05/10/19 19:01 • (DUP) R3410255-4 05/10/19 19:07

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	507000	507000	1	0.0225		20

Sample Narrative:

OS: Endpoint pH 4.5 HEADSPACE

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3410255-3 05/10/19 17:28

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) R3408280-1 05/04/19 09:11

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

L1094872-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1094872-01 05/04/19 12:58 • (DUP) R3408280-3 05/04/19 13:13

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	5320	5320	1	0.0639		15
Nitrate	1970	1970	1	0.350		15
Sulfate	ND	3770	1	0.000		15

L1095349-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1095349-02 05/04/19 17:11 • (DUP) R3408280-6 05/04/19 17:26

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	20300	20300	1	0.277		15
Nitrate	1960	1990	1	1.45		15
Sulfate	65900	66000	1	0.225		15

Laboratory Control Sample (LCS)

(LCS) R3408280-2 05/04/19 09:26

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40000	40400	101	80.0-120	
Nitrate	8000	8330	104	80.0-120	
Sulfate	40000	41100	103	80.0-120	

L1094872-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1094872-01 05/04/19 12:58 • (MS) R3408280-4 05/04/19 13:28 • (MSD) R3408280-5 05/04/19 13:43

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50000	5320	55400	55400	100	100	1	80.0-120			0.141	15
Nitrate	5000	1970	6920	6950	99.1	99.7	1	80.0-120			0.405	15
Sulfate	50000	ND	54300	54500	101	101	1	80.0-120			0.369	15

L1095349-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1095349-02 05/04/19 17:11 • (MS) R3408280-7 05/04/19 17:41

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	20300	69600	98.6	1	80.0-120	
Nitrate	5000	1960	6940	99.6	1	80.0-120	
Sulfate	50000	65900	114000	95.8	1	80.0-120	E

Method Blank (MB)

(MB) R3408691-1 05/06/19 12:54

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	349	J	102	1000

L1095197-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1095197-03 05/06/19 14:58 • (DUP) R3408691-3 05/06/19 15:14

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	ND	576	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3408691-2 05/06/19 13:33

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75000	78500	105	85.0-115	

L1095315-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1095315-01 05/06/19 16:48 • (MS) R3408691-4 05/06/19 17:07 • (MSD) R3408691-5 05/06/19 17:34

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50000	4770	77800	76800	146	144	1	80.0-120	J5	J5	1.36	20

Method Blank (MB)

(MB) R3409028-1 05/07/19 13:34

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) R3409028-2 05/07/19 13:38 • (LCSD) R3409028-3 05/07/19 13:43

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	%	%	%			%	%
Iron	500	461	479	92.2	95.9	80.0-120			3.86	20
Manganese	50.0	45.6	46.8	91.2	93.6	80.0-120			2.63	20

L1095349-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1095349-02 05/07/19 14:18 • (MS) R3409028-5 05/07/19 15:28 • (MSD) R3409028-6 05/07/19 15:33

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	1120	1560	1600	87.3	95.2	1	75.0-125			2.50	20
Manganese	50.0	321	363	369	84.2	96.7	1	75.0-125			1.70	20

Method Blank (MB)

(MB) R3409240-2 05/07/19 11:58

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	66.7	J	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*84.5*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3409240-1 05/07/19 11:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	4850	88.1	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*89.4*	*78.0-120*	

Method Blank (MB)

(MB) R3409543-4 05/08/19 11:29

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)	*85.1*			*78.0-120*

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

(LCS) R3409543-1 05/08/19 09:55 • (LCSD) R3409543-3 05/08/19 10:42

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	4960	4900	90.1	89.0	70.0-124			1.19	20
(S) a,a,a-Trifluorotoluene(FID)				*89.7*	*89.6*	*78.0-120*				

Method Blank (MB)

(MB) R3409706-1 05/09/19 11:19

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

L1094039-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1094039-01 05/09/19 11:34 • (DUP) R3409706-2 05/09/19 11:36

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	221	79.2	1	94.5		20
Ethane	ND	0.000	1	0.000		20
Ethene	ND	0.000	1	0.000		20

L1094407-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1094407-05 05/09/19 12:59 • (DUP) R3409706-3 05/09/19 13:02

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	519	536	1	3.25		20
Ethane	ND	0.000	1	0.000		20
Ethene	ND	0.000	1	0.000		20

L1095146-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1095146-01 05/09/19 13:38 • (DUP) R3409706-4 05/09/19 13:48

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	4330	4280	1	1.22		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) R3409706-5 05/09/19 13:51 • (LCSD) R3409706-6 05/09/19 13:57

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methane	67.8	78.0	73.3	115	108	85.0-115			6.21	20
Ethane	129	120	115	93.0	89.2	85.0-115			4.26	20
Ethene	127	119	114	93.9	89.9	85.0-115			4.37	20

Method Blank (MB)

(MB) R3409512-4 05/08/19 12:23

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
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
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
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
cis-1,3-Dichloropropene	U		0.0976	0.500
1,3-Dichloropropane	U		0.147	1.00
trans-1,3-Dichloropropene	U		0.222	0.500
n-Hexane	U		0.305	5.00
2,2-Dichloropropane	U		0.0929	0.500

Method Blank (MB)

(MB) R3409512-4 05/08/19 12:23

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Di-isopropyl ether	U		0.0924	0.500
Ethylbenzene	U		0.158	0.500
2-Hexanone	U		0.757	5.00
Hexachloro-1,3-butadiene	U		0.157	1.00
Iodomethane	U		0.377	10.0
2-Butanone (MEK)	U		1.28	5.00
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
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
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
n-Propylbenzene	U		0.162	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
1,1,1-Trichloroethane	U		0.0940	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,1,2-Trichloroethane	U		0.186	0.500
1,2,4-Trichlorobenzene	U		0.355	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	*95.5*			*80.0-120*
(S) 4-Bromofluorobenzene	*91.1*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3409512-1 05/08/19 10:46

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromochloromethane	25.0	24.3	97.3	76.0-122	
Acetone	125	128	102	19.0-160	
Acrylonitrile	125	111	88.5	55.0-149	
Benzene	25.0	22.5	89.8	70.0-123	
Bromodichloromethane	25.0	22.8	91.3	75.0-120	
Bromoform	25.0	23.0	92.2	68.0-132	
Bromomethane	25.0	20.6	82.5	10.0-160	
n-Hexane	25.0	23.1	92.6	57.0-133	
Carbon disulfide	25.0	19.3	77.3	61.0-128	
Carbon tetrachloride	25.0	22.9	91.5	68.0-126	
Chlorobenzene	25.0	23.5	94.0	80.0-121	
Bromobenzene	25.0	22.8	91.4	73.0-121	
Chlorodibromomethane	25.0	23.7	94.7	77.0-125	
Chloroethane	25.0	23.9	95.7	47.0-150	
Chloroform	25.0	23.7	94.8	73.0-120	
Chloromethane	25.0	21.5	86.1	41.0-142	
n-Butylbenzene	25.0	22.9	91.6	73.0-125	
1,2-Dibromo-3-Chloropropane	25.0	18.3	73.4	58.0-134	
sec-Butylbenzene	25.0	22.7	90.8	75.0-125	
1,2-Dibromoethane	25.0	23.3	93.3	80.0-122	
tert-Butylbenzene	25.0	24.3	97.1	76.0-124	
Dibromomethane	25.0	23.7	94.8	80.0-120	
1,2-Dichlorobenzene	25.0	22.1	88.5	79.0-121	
1,3-Dichlorobenzene	25.0	22.4	89.7	79.0-120	
1,4-Dichlorobenzene	25.0	21.8	87.1	79.0-120	
trans-1,4-Dichloro-2-butene	25.0	21.2	84.6	33.0-144	
Dichlorodifluoromethane	25.0	22.7	90.7	51.0-149	
1,1-Dichloroethane	25.0	24.4	97.5	70.0-126	
1,2-Dichloroethane	25.0	23.1	92.5	70.0-128	
1,1-Dichloroethene	25.0	22.8	91.3	71.0-124	
2-Chlorotoluene	25.0	24.3	97.2	76.0-123	
4-Chlorotoluene	25.0	23.8	95.2	75.0-122	
cis-1,2-Dichloroethene	25.0	24.0	96.0	73.0-120	
trans-1,2-Dichloroethene	25.0	24.4	97.6	73.0-120	
1,2-Dichloropropane	25.0	25.1	101	77.0-125	
cis-1,3-Dichloropropene	25.0	23.4	93.7	80.0-123	
trans-1,3-Dichloropropene	25.0	22.7	90.8	78.0-124	
Di-isopropyl ether	25.0	23.0	91.8	58.0-138	
Ethylbenzene	25.0	23.5	93.9	79.0-123	
2-Hexanone	125	119	94.9	67.0-149	

Laboratory Control Sample (LCS)

(LCS) R3409512-1 05/08/19 10:46

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,1-Dichloropropene	25.0	22.7	90.7	74.0-126	
Iodomethane	125	119	95.0	33.0-147	
1,3-Dichloropropane	25.0	22.8	91.1	80.0-120	
2-Butanone (MEK)	125	119	95.6	44.0-160	
2,2-Dichloropropane	25.0	26.3	105	58.0-130	
Methylene Chloride	25.0	24.7	98.9	67.0-120	
4-Methyl-2-pentanone (MIBK)	125	113	90.1	68.0-142	
Methyl tert-butyl ether	25.0	22.1	88.6	68.0-125	
Naphthalene	25.0	19.4	77.6	54.0-135	
Hexachloro-1,3-butadiene	25.0	25.6	102	54.0-138	
Styrene	25.0	22.6	90.5	73.0-130	
1,1,1,2-Tetrachloroethane	25.0	23.6	94.5	75.0-125	
1,1,2,2-Tetrachloroethane	25.0	24.3	97.1	65.0-130	
Isopropylbenzene	25.0	22.4	89.7	76.0-127	
p-Isopropyltoluene	25.0	23.7	94.9	76.0-125	
Tetrachloroethene	25.0	24.4	97.6	72.0-132	
Toluene	25.0	21.4	85.5	79.0-120	
1,1,1-Trichloroethane	25.0	22.8	91.1	73.0-124	
1,1,2-Trichloroethane	25.0	23.7	94.7	80.0-120	
Trichloroethene	25.0	22.6	90.2	78.0-124	
Trichlorofluoromethane	25.0	23.3	93.3	59.0-147	
1,2,3-Trichloropropane	25.0	24.6	98.6	73.0-130	
n-Propylbenzene	25.0	24.1	96.3	77.0-124	
Vinyl acetate	125	138	110	11.0-160	
Vinyl chloride	25.0	24.3	97.2	67.0-131	
Xylenes, Total	75.0	70.0	93.3	79.0-123	
1,1,2-Trichlorotrifluoroethane	25.0	24.3	97.3	69.0-132	
1,2,3-Trichlorobenzene	25.0	23.5	93.9	50.0-138	
1,2,4-Trichlorobenzene	25.0	23.3	93.2	57.0-137	
1,2,3-Trimethylbenzene	25.0	21.1	84.3	77.0-120	
1,2,4-Trimethylbenzene	25.0	23.1	92.3	76.0-121	
1,3,5-Trimethylbenzene	25.0	23.2	92.6	76.0-122	
(S) Toluene-d8			*95.6*	*80.0-120*	
(S) 4-Bromofluorobenzene			*96.6*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*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.
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.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.

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

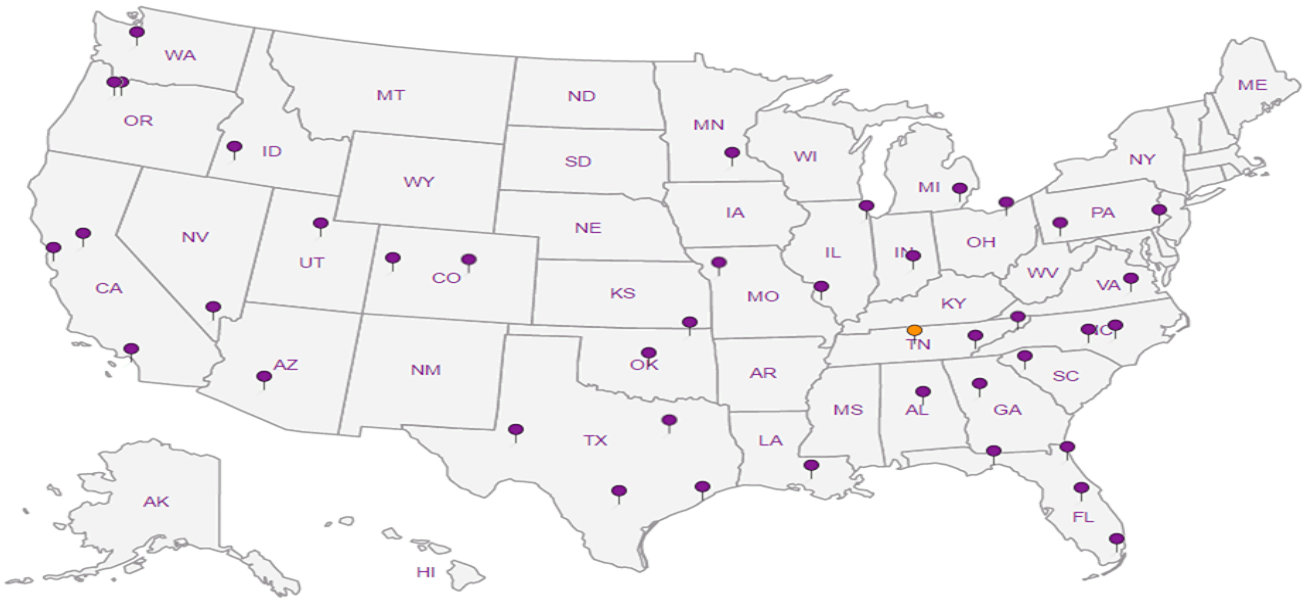
Third Party Federal Accreditations

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 4th Avenue STE 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 4th Ave STE 1350
Seattle, WA 98161

Report to:
Brian O'Neal/Bill Haldeman

Email To: KVIK@PESENV.COM, BHALDEMAN@PESENV.COM
BOneal@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): K. Zygas

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: Standard T.A.T.

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	VOC (8260)	GRO (NWTPH-Gx)	Remarks	Sample # (lab only)
MW120-050319	Grab	GW	45	5/3/19	0900	12	X	X	X	X	X	X	X		-01
MW911-050319	Grab	GW	45	↓	1010	12	X	X	X	X	X	X	X		-02
TRIP BLANK-050319	Grab	GW	—	↓	—	1						X	X		-03
	Grab	GW													
	Grab	GW													
	Grab	GW													
	Grab	GW													
	Grab	GW													
	Grab	GW													
	Grab	GW													

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

Remarks: TIER 2 QA/QC

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier ____

Tracking # 4492 6220 4430

Relinquished by : (Signature) — Date: 5/3/19 Time: 1130
Received by: (Signature)

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

Relinquished by : (Signature) — Date: Time:
Received for lab by: (Signature) — Date: 5/4/19 Time: 0345

Trip Blank Received: Yes / No — HCl / MeoH — TBR

Temp: A 5B F °C 5.2+.1=5.3 Bottles Received: 24

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

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Mount Juliet, TN 37122
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Phone: 800-767-5859
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ANALYTICAL REPORT

September 20, 2019

PES Environmental, Inc.- WA

Sample Delivery Group:	L1138733
Samples Received:	09/12/2019
Project Number:	1443.001.02.510
Description:	700 Dexter Offsite RI
Site:	AMERICAN LINEN 700 DEXTER
Report To:	Brian O'Neal/Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By:

Jason Romer
Project Manager

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



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MW-316-5 L1138733-01 Solid

Collected by: HW Small | Collected date/time: 09/09/19 11:00 | Received date/time: 09/12/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1347285	1	09/17/19 16:25	09/17/19 16:33	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1346556	1	09/09/19 11:00	09/16/19 14:42	JAH	Mt. Juliet, TN

MW-316-10 L1138733-02 Solid

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1347285	1	09/17/19 16:25	09/17/19 16:33	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1346556	1	09/09/19 11:10	09/16/19 15:03	JAH	Mt. Juliet, TN

MW-316-15 L1138733-03 Solid

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1347285	1	09/17/19 16:25	09/17/19 16:33	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1346556	1	09/09/19 11:15	09/16/19 15:24	JAH	Mt. Juliet, TN

MW-316-20 L1138733-04 Solid

Collected by: HW Small | Collected date/time: 09/09/19 11:20 | Received date/time: 09/12/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1347285	1	09/17/19 16:25	09/17/19 16:33	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1346556	1	09/09/19 11:20	09/16/19 16:05	JAH	Mt. Juliet, TN

MW-316-25 L1138733-05 Solid

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1347285	1	09/17/19 16:25	09/17/19 16:33	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1346556	1	09/09/19 11:45	09/16/19 16:25	JAH	Mt. Juliet, TN

MW-316-30 L1138733-06 Solid

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1347285	1	09/17/19 16:25	09/17/19 16:33	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1346556	1	09/09/19 11:45	09/16/19 16:46	JAH	Mt. Juliet, TN

MW-316-35 L1138733-07 Solid

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1347340	1	09/18/19 12:23	09/18/19 12:38	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1346556	1	09/09/19 12:00	09/16/19 17:06	JAH	Mt. Juliet, TN

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

MW-316-40 L1138733-08 Solid

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1347340	1	09/18/19 12:23	09/18/19 12:38	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1346556	1	09/09/19 00:00	09/16/19 17:26	JAH	Mt. Juliet, TN

MW-316-45 L1138733-09 Solid

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1347340	1	09/18/19 12:23	09/18/19 12:38	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1346556	1	09/09/19 12:15	09/16/19 17:47	JAH	Mt. Juliet, TN

MW-316-50 L1138733-10 Solid

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1347340	1	09/18/19 12:23	09/18/19 12:38	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1346556	1	09/09/19 12:20	09/16/19 18:07	JAH	Mt. Juliet, TN

MW-316-55 L1138733-11 Solid

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1347340	1	09/18/19 12:23	09/18/19 12:38	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1346556	1	09/09/19 00:00	09/16/19 18:28	JAH	Mt. Juliet, TN

MW-316-60 L1138733-12 Solid

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1347340	1	09/18/19 12:23	09/18/19 12:38	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1346556	1	09/09/19 00:00	09/16/19 18:48	JAH	Mt. Juliet, TN

MW-316-65 L1138733-13 Solid

Collected by: HW Small | Collected date/time: 09/10/19 00:00 | Received date/time: 09/12/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1347340	1	09/18/19 12:23	09/18/19 12:38	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1346556	1.32	09/10/19 00:00	09/16/19 19:09	JAH	Mt. Juliet, TN

MW-316-70 L1138733-14 Solid

Collected by: HW Small | Collected date/time: 09/10/19 00:00 | Received date/time: 09/12/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1347340	1	09/18/19 12:23	09/18/19 12:38	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1346556	1	09/10/19 00:00	09/16/19 19:29	JAH	Mt. Juliet, TN

MW-2001-65 L1138733-15 Solid

Collected by: HW Small
Collected date/time: 09/10/19 00:00
Received date/time: 09/12/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1347340	1	09/18/19 12:23	09/18/19 12:38	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1346556	1	09/10/19 00:00	09/16/19 19:50	JAH	Mt. Juliet, TN

TB-091019 L1138733-16 GW

Collected by: HW Small
Collected date/time: 09/10/19 00:00
Received date/time: 09/12/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1346797	1	09/17/19 00:16	09/17/19 00:16	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.



Jason Romer
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.4		1	09/17/2019 16:33	WG1347285

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0267	J	0.0148	0.0271	1	09/16/2019 14:42	WG1346556
Acrylonitrile	U		0.00206	0.0135	1	09/16/2019 14:42	WG1346556
Benzene	U		0.000433	0.00108	1	09/16/2019 14:42	WG1346556
Bromobenzene	U		0.00114	0.0135	1	09/16/2019 14:42	WG1346556
Bromodichloromethane	U		0.000853	0.00271	1	09/16/2019 14:42	WG1346556
Bromochloromethane	U		0.00122	0.00541	1	09/16/2019 14:42	WG1346556
Bromoform	U		0.00647	0.0271	1	09/16/2019 14:42	WG1346556
Bromomethane	U		0.00401	0.0135	1	09/16/2019 14:42	WG1346556
n-Butylbenzene	U		0.00416	0.0135	1	09/16/2019 14:42	WG1346556
sec-Butylbenzene	U		0.00274	0.0135	1	09/16/2019 14:42	WG1346556
tert-Butylbenzene	U		0.00168	0.00541	1	09/16/2019 14:42	WG1346556
Carbon disulfide	U		0.00440	0.0135	1	09/16/2019 14:42	WG1346556
Carbon tetrachloride	U		0.00117	0.00541	1	09/16/2019 14:42	WG1346556
Chlorobenzene	U		0.000620	0.00271	1	09/16/2019 14:42	WG1346556
Chlorodibromomethane	U		0.000487	0.00271	1	09/16/2019 14:42	WG1346556
Chloroethane	U		0.00117	0.00541	1	09/16/2019 14:42	WG1346556
Chloroform	0.000580	B J	0.000449	0.00271	1	09/16/2019 14:42	WG1346556
Chloromethane	U		0.00150	0.0135	1	09/16/2019 14:42	WG1346556
2-Chlorotoluene	U		0.000996	0.00271	1	09/16/2019 14:42	WG1346556
4-Chlorotoluene	U		0.00122	0.00541	1	09/16/2019 14:42	WG1346556
1,2-Dibromo-3-Chloropropane	U		0.00552	0.0271	1	09/16/2019 14:42	WG1346556
1,2-Dibromoethane	U		0.000568	0.00271	1	09/16/2019 14:42	WG1346556
Dibromomethane	U		0.00108	0.00541	1	09/16/2019 14:42	WG1346556
1,2-Dichlorobenzene	U		0.00157	0.00541	1	09/16/2019 14:42	WG1346556
1,3-Dichlorobenzene	U		0.00184	0.00541	1	09/16/2019 14:42	WG1346556
1,4-Dichlorobenzene	U		0.00213	0.00541	1	09/16/2019 14:42	WG1346556
Dichlorodifluoromethane	U		0.000886	0.00271	1	09/16/2019 14:42	WG1346556
1,1-Dichloroethane	U		0.000622	0.00271	1	09/16/2019 14:42	WG1346556
1,2-Dichloroethane	U		0.000514	0.00271	1	09/16/2019 14:42	WG1346556
1,1-Dichloroethene	U		0.000541	0.00271	1	09/16/2019 14:42	WG1346556
cis-1,2-Dichloroethene	U		0.000747	0.00271	1	09/16/2019 14:42	WG1346556
trans-1,2-Dichloroethene	U		0.00155	0.00541	1	09/16/2019 14:42	WG1346556
1,2-Dichloropropane	U		0.00137	0.00541	1	09/16/2019 14:42	WG1346556
1,1-Dichloropropene	U		0.000758	0.00271	1	09/16/2019 14:42	WG1346556
1,3-Dichloropropane	U		0.00189	0.00541	1	09/16/2019 14:42	WG1346556
cis-1,3-Dichloropropene	U		0.000734	0.00271	1	09/16/2019 14:42	WG1346556
trans-1,3-Dichloropropene	U		0.00166	0.00541	1	09/16/2019 14:42	WG1346556
trans-1,4-Dichloro-2-butene	U		0.00152	0.00541	1	09/16/2019 14:42	WG1346556
2,2-Dichloropropane	U		0.000859	0.00271	1	09/16/2019 14:42	WG1346556
Di-isopropyl ether	U		0.000379	0.00108	1	09/16/2019 14:42	WG1346556
Ethylbenzene	U		0.000574	0.00271	1	09/16/2019 14:42	WG1346556
Hexachloro-1,3-butadiene	U		0.0137	0.0271	1	09/16/2019 14:42	WG1346556
2-Hexanone	U		0.0108	0.0271	1	09/16/2019 14:42	WG1346556
n-Hexane	0.00567		0.00115	0.00541	1	09/16/2019 14:42	WG1346556
Iodomethane	U		0.00655	0.0135	1	09/16/2019 14:42	WG1346556
Isopropylbenzene	U		0.000934	0.00271	1	09/16/2019 14:42	WG1346556
p-Isopropyltoluene	U		0.00252	0.00541	1	09/16/2019 14:42	WG1346556
2-Butanone (MEK)	U		0.0135	0.0271	1	09/16/2019 14:42	WG1346556
Methylene Chloride	0.0126	B J	0.00719	0.0271	1	09/16/2019 14:42	WG1346556
4-Methyl-2-pentanone (MIBK)	U		0.0108	0.0271	1	09/16/2019 14:42	WG1346556

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000319	0.00108	1	09/16/2019 14:42	WG1346556
Naphthalene	U		0.00338	0.0135	1	09/16/2019 14:42	WG1346556
n-Propylbenzene	U		0.00128	0.00541	1	09/16/2019 14:42	WG1346556
Styrene	U		0.00296	0.0135	1	09/16/2019 14:42	WG1346556
1,1,1,2-Tetrachloroethane	U		0.000541	0.00271	1	09/16/2019 14:42	WG1346556
1,1,2,2-Tetrachloroethane	U		0.000422	0.00271	1	09/16/2019 14:42	WG1346556
1,1,2-Trichlorotrifluoroethane	U		0.000731	0.00271	1	09/16/2019 14:42	WG1346556
Tetrachloroethene	U		0.000758	0.00271	1	09/16/2019 14:42	WG1346556
Toluene	0.00780		0.00135	0.00541	1	09/16/2019 14:42	WG1346556
1,2,3-Trichlorobenzene	U		0.000677	0.00271	1	09/16/2019 14:42	WG1346556
1,2,4-Trichlorobenzene	U		0.00522	0.0135	1	09/16/2019 14:42	WG1346556
1,1,1-Trichloroethane	U		0.000298	0.00271	1	09/16/2019 14:42	WG1346556
1,1,2-Trichloroethane	U		0.000956	0.00271	1	09/16/2019 14:42	WG1346556
Trichloroethene	U		0.000433	0.00108	1	09/16/2019 14:42	WG1346556
Trichlorofluoromethane	U		0.000541	0.00271	1	09/16/2019 14:42	WG1346556
1,2,3-Trichloropropane	U		0.00552	0.0135	1	09/16/2019 14:42	WG1346556
1,2,4-Trimethylbenzene	U		0.00126	0.00541	1	09/16/2019 14:42	WG1346556
1,2,3-Trimethylbenzene	U		0.00124	0.00541	1	09/16/2019 14:42	WG1346556
1,3,5-Trimethylbenzene	U		0.00117	0.00541	1	09/16/2019 14:42	WG1346556
Vinyl acetate	U		0.00381	0.0135	1	09/16/2019 14:42	WG1346556
Vinyl chloride	U		0.000739	0.00271	1	09/16/2019 14:42	WG1346556
Xylenes, Total	U		0.00517	0.00704	1	09/16/2019 14:42	WG1346556
(S) Toluene-d8	*105*			*75.0-131*		*09/16/2019 14:42*	WG1346556
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*09/16/2019 14:42*	WG1346556
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*09/16/2019 14:42*	WG1346556

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.4		1	09/17/2019 16:33	WG1347285

Volatile Organic Compounds (GC/MS) 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		0.0155	0.0283	1	09/16/2019 15:03	WG1346556
Acrylonitrile	U		0.00215	0.0141	1	09/16/2019 15:03	WG1346556
Benzene	U		0.000453	0.00113	1	09/16/2019 15:03	WG1346556
Bromobenzene	U		0.00119	0.0141	1	09/16/2019 15:03	WG1346556
Bromodichloromethane	U		0.000891	0.00283	1	09/16/2019 15:03	WG1346556
Bromochloromethane	U		0.00128	0.00566	1	09/16/2019 15:03	WG1346556
Bromoform	U		0.00677	0.0283	1	09/16/2019 15:03	WG1346556
Bromomethane	U		0.00419	0.0141	1	09/16/2019 15:03	WG1346556
n-Butylbenzene	U		0.00434	0.0141	1	09/16/2019 15:03	WG1346556
sec-Butylbenzene	U		0.00286	0.0141	1	09/16/2019 15:03	WG1346556
tert-Butylbenzene	U		0.00175	0.00566	1	09/16/2019 15:03	WG1346556
Carbon disulfide	U		0.00459	0.0141	1	09/16/2019 15:03	WG1346556
Carbon tetrachloride	U		0.00122	0.00566	1	09/16/2019 15:03	WG1346556
Chlorobenzene	U		0.000648	0.00283	1	09/16/2019 15:03	WG1346556
Chlorodibromomethane	U		0.000509	0.00283	1	09/16/2019 15:03	WG1346556
Chloroethane	U		0.00122	0.00566	1	09/16/2019 15:03	WG1346556
Chloroform	0.00102	B J	0.000469	0.00283	1	09/16/2019 15:03	WG1346556
Chloromethane	U		0.00157	0.0141	1	09/16/2019 15:03	WG1346556
2-Chlorotoluene	U		0.00104	0.00283	1	09/16/2019 15:03	WG1346556
4-Chlorotoluene	U		0.00128	0.00566	1	09/16/2019 15:03	WG1346556
1,2-Dibromo-3-Chloropropane	U		0.00577	0.0283	1	09/16/2019 15:03	WG1346556
1,2-Dibromoethane	U		0.000594	0.00283	1	09/16/2019 15:03	WG1346556
Dibromomethane	U		0.00113	0.00566	1	09/16/2019 15:03	WG1346556
1,2-Dichlorobenzene	U		0.00164	0.00566	1	09/16/2019 15:03	WG1346556
1,3-Dichlorobenzene	U		0.00192	0.00566	1	09/16/2019 15:03	WG1346556
1,4-Dichlorobenzene	U		0.00223	0.00566	1	09/16/2019 15:03	WG1346556
Dichlorodifluoromethane	U		0.000925	0.00283	1	09/16/2019 15:03	WG1346556
1,1-Dichloroethane	U		0.000650	0.00283	1	09/16/2019 15:03	WG1346556
1,2-Dichloroethane	U		0.000537	0.00283	1	09/16/2019 15:03	WG1346556
1,1-Dichloroethene	U		0.000566	0.00283	1	09/16/2019 15:03	WG1346556
cis-1,2-Dichloroethene	U		0.000781	0.00283	1	09/16/2019 15:03	WG1346556
trans-1,2-Dichloroethene	U		0.00162	0.00566	1	09/16/2019 15:03	WG1346556
1,2-Dichloropropane	U		0.00144	0.00566	1	09/16/2019 15:03	WG1346556
1,1-Dichloropropene	U		0.000792	0.00283	1	09/16/2019 15:03	WG1346556
1,3-Dichloropropane	U		0.00198	0.00566	1	09/16/2019 15:03	WG1346556
cis-1,3-Dichloropropene	U		0.000767	0.00283	1	09/16/2019 15:03	WG1346556
trans-1,3-Dichloropropene	U		0.00173	0.00566	1	09/16/2019 15:03	WG1346556
trans-1,4-Dichloro-2-butene	U		0.00158	0.00566	1	09/16/2019 15:03	WG1346556
2,2-Dichloropropane	U		0.000897	0.00283	1	09/16/2019 15:03	WG1346556
Di-isopropyl ether	U		0.000396	0.00113	1	09/16/2019 15:03	WG1346556
Ethylbenzene	U		0.000600	0.00283	1	09/16/2019 15:03	WG1346556
Hexachloro-1,3-butadiene	U		0.0144	0.0283	1	09/16/2019 15:03	WG1346556
2-Hexanone	U		0.0113	0.0283	1	09/16/2019 15:03	WG1346556
n-Hexane	0.00978		0.00120	0.00566	1	09/16/2019 15:03	WG1346556
Iodomethane	U		0.00684	0.0141	1	09/16/2019 15:03	WG1346556
Isopropylbenzene	U		0.000976	0.00283	1	09/16/2019 15:03	WG1346556
p-Isopropyltoluene	U		0.00264	0.00566	1	09/16/2019 15:03	WG1346556
2-Butanone (MEK)	U		0.0141	0.0283	1	09/16/2019 15:03	WG1346556
Methylene Chloride	0.0161	B J	0.00751	0.0283	1	09/16/2019 15:03	WG1346556
4-Methyl-2-pentanone (MIBK)	U		0.0113	0.0283	1	09/16/2019 15:03	WG1346556

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		0.000334	0.00113	1	09/16/2019 15:03	WG1346556
Naphthalene	U		0.00353	0.0141	1	09/16/2019 15:03	WG1346556
n-Propylbenzene	U		0.00133	0.00566	1	09/16/2019 15:03	WG1346556
Styrene	U		0.00309	0.0141	1	09/16/2019 15:03	WG1346556
1,1,1,2-Tetrachloroethane	U		0.000566	0.00283	1	09/16/2019 15:03	WG1346556
1,1,2,2-Tetrachloroethane	U		0.000441	0.00283	1	09/16/2019 15:03	WG1346556
1,1,2-Trichlorotrifluoroethane	U		0.000764	0.00283	1	09/16/2019 15:03	WG1346556
Tetrachloroethene	U		0.000792	0.00283	1	09/16/2019 15:03	WG1346556
Toluene	0.0197		0.00141	0.00566	1	09/16/2019 15:03	WG1346556
1,2,3-Trichlorobenzene	U		0.000707	0.00283	1	09/16/2019 15:03	WG1346556
1,2,4-Trichlorobenzene	U		0.00545	0.0141	1	09/16/2019 15:03	WG1346556
1,1,1-Trichloroethane	U		0.000311	0.00283	1	09/16/2019 15:03	WG1346556
1,1,2-Trichloroethane	U		0.000999	0.00283	1	09/16/2019 15:03	WG1346556
Trichloroethene	U		0.000453	0.00113	1	09/16/2019 15:03	WG1346556
Trichlorofluoromethane	0.00346		0.000566	0.00283	1	09/16/2019 15:03	WG1346556
1,2,3-Trichloropropane	U		0.00577	0.0141	1	09/16/2019 15:03	WG1346556
1,2,4-Trimethylbenzene	U		0.00131	0.00566	1	09/16/2019 15:03	WG1346556
1,2,3-Trimethylbenzene	U		0.00130	0.00566	1	09/16/2019 15:03	WG1346556
1,3,5-Trimethylbenzene	U		0.00122	0.00566	1	09/16/2019 15:03	WG1346556
Vinyl acetate	U		0.00398	0.0141	1	09/16/2019 15:03	WG1346556
Vinyl chloride	U		0.000773	0.00283	1	09/16/2019 15:03	WG1346556
Xylenes, Total	U		0.00541	0.00735	1	09/16/2019 15:03	WG1346556
(S) Toluene-d8	*104*			*75.0-131*		*09/16/2019 15:03*	WG1346556
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/16/2019 15:03*	WG1346556
(S) 1,2-Dichloroethane-d4	*98.9*			*70.0-130*		*09/16/2019 15:03*	WG1346556

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.9		1	09/17/2019 16:33	WG1347285

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0171	J	0.0154	0.0281	1	09/16/2019 15:24	WG1346556
Acrylonitrile	U		0.00214	0.0141	1	09/16/2019 15:24	WG1346556
Benzene	U		0.000450	0.00112	1	09/16/2019 15:24	WG1346556
Bromobenzene	U		0.00118	0.0141	1	09/16/2019 15:24	WG1346556
Bromodichloromethane	U		0.000886	0.00281	1	09/16/2019 15:24	WG1346556
Bromochloromethane	U		0.00127	0.00562	1	09/16/2019 15:24	WG1346556
Bromoform	U		0.00672	0.0281	1	09/16/2019 15:24	WG1346556
Bromomethane	U		0.00416	0.0141	1	09/16/2019 15:24	WG1346556
n-Butylbenzene	U		0.00432	0.0141	1	09/16/2019 15:24	WG1346556
sec-Butylbenzene	U		0.00284	0.0141	1	09/16/2019 15:24	WG1346556
tert-Butylbenzene	U		0.00174	0.00562	1	09/16/2019 15:24	WG1346556
Carbon disulfide	U		0.00457	0.0141	1	09/16/2019 15:24	WG1346556
Carbon tetrachloride	U		0.00121	0.00562	1	09/16/2019 15:24	WG1346556
Chlorobenzene	U		0.000644	0.00281	1	09/16/2019 15:24	WG1346556
Chlorodibromomethane	U		0.000506	0.00281	1	09/16/2019 15:24	WG1346556
Chloroethane	U		0.00121	0.00562	1	09/16/2019 15:24	WG1346556
Chloroform	0.000817	B J	0.000467	0.00281	1	09/16/2019 15:24	WG1346556
Chloromethane	U		0.00156	0.0141	1	09/16/2019 15:24	WG1346556
2-Chlorotoluene	U		0.00103	0.00281	1	09/16/2019 15:24	WG1346556
4-Chlorotoluene	U		0.00127	0.00562	1	09/16/2019 15:24	WG1346556
1,2-Dibromo-3-Chloropropane	U		0.00573	0.0281	1	09/16/2019 15:24	WG1346556
1,2-Dibromoethane	U		0.000590	0.00281	1	09/16/2019 15:24	WG1346556
Dibromomethane	U		0.00112	0.00562	1	09/16/2019 15:24	WG1346556
1,2-Dichlorobenzene	U		0.00163	0.00562	1	09/16/2019 15:24	WG1346556
1,3-Dichlorobenzene	U		0.00191	0.00562	1	09/16/2019 15:24	WG1346556
1,4-Dichlorobenzene	U		0.00222	0.00562	1	09/16/2019 15:24	WG1346556
Dichlorodifluoromethane	U		0.000920	0.00281	1	09/16/2019 15:24	WG1346556
1,1-Dichloroethane	U		0.000647	0.00281	1	09/16/2019 15:24	WG1346556
1,2-Dichloroethane	U		0.000534	0.00281	1	09/16/2019 15:24	WG1346556
1,1-Dichloroethene	U		0.000562	0.00281	1	09/16/2019 15:24	WG1346556
cis-1,2-Dichloroethene	U		0.000776	0.00281	1	09/16/2019 15:24	WG1346556
trans-1,2-Dichloroethene	U		0.00161	0.00562	1	09/16/2019 15:24	WG1346556
1,2-Dichloropropane	U		0.00143	0.00562	1	09/16/2019 15:24	WG1346556
1,1-Dichloropropene	U		0.000787	0.00281	1	09/16/2019 15:24	WG1346556
1,3-Dichloropropane	U		0.00197	0.00562	1	09/16/2019 15:24	WG1346556
cis-1,3-Dichloropropene	U		0.000762	0.00281	1	09/16/2019 15:24	WG1346556
trans-1,3-Dichloropropene	U		0.00172	0.00562	1	09/16/2019 15:24	WG1346556
trans-1,4-Dichloro-2-butene	U		0.00157	0.00562	1	09/16/2019 15:24	WG1346556
2,2-Dichloropropane	U		0.000892	0.00281	1	09/16/2019 15:24	WG1346556
Di-isopropyl ether	U		0.000394	0.00112	1	09/16/2019 15:24	WG1346556
Ethylbenzene	U		0.000596	0.00281	1	09/16/2019 15:24	WG1346556
Hexachloro-1,3-butadiene	U		0.0143	0.0281	1	09/16/2019 15:24	WG1346556
2-Hexanone	U		0.0112	0.0281	1	09/16/2019 15:24	WG1346556
n-Hexane	0.00364	J	0.00119	0.00562	1	09/16/2019 15:24	WG1346556
Iodomethane	U		0.00680	0.0141	1	09/16/2019 15:24	WG1346556
Isopropylbenzene	U		0.000970	0.00281	1	09/16/2019 15:24	WG1346556
p-Isopropyltoluene	U		0.00262	0.00562	1	09/16/2019 15:24	WG1346556
2-Butanone (MEK)	U		0.0141	0.0281	1	09/16/2019 15:24	WG1346556
Methylene Chloride	0.0110	B J	0.00747	0.0281	1	09/16/2019 15:24	WG1346556
4-Methyl-2-pentanone (MIBK)	U		0.0112	0.0281	1	09/16/2019 15:24	WG1346556

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000332	0.00112	1	09/16/2019 15:24	WG1346556
Naphthalene	U		0.00351	0.0141	1	09/16/2019 15:24	WG1346556
n-Propylbenzene	U		0.00133	0.00562	1	09/16/2019 15:24	WG1346556
Styrene	U		0.00307	0.0141	1	09/16/2019 15:24	WG1346556
1,1,1,2-Tetrachloroethane	U		0.000562	0.00281	1	09/16/2019 15:24	WG1346556
1,1,2,2-Tetrachloroethane	U		0.000439	0.00281	1	09/16/2019 15:24	WG1346556
1,1,2-Trichlorotrifluoroethane	U		0.000759	0.00281	1	09/16/2019 15:24	WG1346556
Tetrachloroethene	U		0.000787	0.00281	1	09/16/2019 15:24	WG1346556
Toluene	0.00457	J	0.00141	0.00562	1	09/16/2019 15:24	WG1346556
1,2,3-Trichlorobenzene	U		0.000703	0.00281	1	09/16/2019 15:24	WG1346556
1,2,4-Trichlorobenzene	U		0.00542	0.0141	1	09/16/2019 15:24	WG1346556
1,1,1-Trichloroethane	U		0.000309	0.00281	1	09/16/2019 15:24	WG1346556
1,1,2-Trichloroethane	U		0.000993	0.00281	1	09/16/2019 15:24	WG1346556
Trichloroethene	U		0.000450	0.00112	1	09/16/2019 15:24	WG1346556
Trichlorofluoromethane	0.00179	J	0.000562	0.00281	1	09/16/2019 15:24	WG1346556
1,2,3-Trichloropropane	U		0.00573	0.0141	1	09/16/2019 15:24	WG1346556
1,2,4-Trimethylbenzene	U		0.00130	0.00562	1	09/16/2019 15:24	WG1346556
1,2,3-Trimethylbenzene	U		0.00129	0.00562	1	09/16/2019 15:24	WG1346556
1,3,5-Trimethylbenzene	U		0.00121	0.00562	1	09/16/2019 15:24	WG1346556
Vinyl acetate	U		0.00396	0.0141	1	09/16/2019 15:24	WG1346556
Vinyl chloride	U		0.000768	0.00281	1	09/16/2019 15:24	WG1346556
Xylenes, Total	U		0.00537	0.00731	1	09/16/2019 15:24	WG1346556
(S) Toluene-d8	*109*			*75.0-131*		*09/16/2019 15:24*	WG1346556
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*09/16/2019 15:24*	WG1346556
(S) 1,2-Dichloroethane-d4	*92.8*			*70.0-130*		*09/16/2019 15:24*	WG1346556

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.7		1	09/17/2019 16:33	WG1347285

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0282		0.0148	0.0270	1	09/16/2019 16:05	WG1346556
Acrylonitrile	U		0.00205	0.0135	1	09/16/2019 16:05	WG1346556
Benzene	U		0.000431	0.00108	1	09/16/2019 16:05	WG1346556
Bromobenzene	U		0.00113	0.0135	1	09/16/2019 16:05	WG1346556
Bromodichloromethane	U		0.000850	0.00270	1	09/16/2019 16:05	WG1346556
Bromochloromethane	U		0.00122	0.00539	1	09/16/2019 16:05	WG1346556
Bromoform	U		0.00645	0.0270	1	09/16/2019 16:05	WG1346556
Bromomethane	U		0.00399	0.0135	1	09/16/2019 16:05	WG1346556
n-Butylbenzene	U		0.00414	0.0135	1	09/16/2019 16:05	WG1346556
sec-Butylbenzene	U		0.00273	0.0135	1	09/16/2019 16:05	WG1346556
tert-Butylbenzene	U		0.00167	0.00539	1	09/16/2019 16:05	WG1346556
Carbon disulfide	U		0.00438	0.0135	1	09/16/2019 16:05	WG1346556
Carbon tetrachloride	U		0.00117	0.00539	1	09/16/2019 16:05	WG1346556
Chlorobenzene	U		0.000618	0.00270	1	09/16/2019 16:05	WG1346556
Chlorodibromomethane	U		0.000485	0.00270	1	09/16/2019 16:05	WG1346556
Chloroethane	U		0.00117	0.00539	1	09/16/2019 16:05	WG1346556
Chloroform	0.000702	B J	0.000448	0.00270	1	09/16/2019 16:05	WG1346556
Chloromethane	U		0.00150	0.0135	1	09/16/2019 16:05	WG1346556
2-Chlorotoluene	U		0.000992	0.00270	1	09/16/2019 16:05	WG1346556
4-Chlorotoluene	U		0.00122	0.00539	1	09/16/2019 16:05	WG1346556
1,2-Dibromo-3-Chloropropane	U		0.00550	0.0270	1	09/16/2019 16:05	WG1346556
1,2-Dibromoethane	U		0.000566	0.00270	1	09/16/2019 16:05	WG1346556
Dibromomethane	U		0.00108	0.00539	1	09/16/2019 16:05	WG1346556
1,2-Dichlorobenzene	U		0.00156	0.00539	1	09/16/2019 16:05	WG1346556
1,3-Dichlorobenzene	U		0.00183	0.00539	1	09/16/2019 16:05	WG1346556
1,4-Dichlorobenzene	U		0.00213	0.00539	1	09/16/2019 16:05	WG1346556
Dichlorodifluoromethane	U		0.000882	0.00270	1	09/16/2019 16:05	WG1346556
1,1-Dichloroethane	U		0.000620	0.00270	1	09/16/2019 16:05	WG1346556
1,2-Dichloroethane	U		0.000512	0.00270	1	09/16/2019 16:05	WG1346556
1,1-Dichloroethene	U		0.000539	0.00270	1	09/16/2019 16:05	WG1346556
cis-1,2-Dichloroethene	U		0.000744	0.00270	1	09/16/2019 16:05	WG1346556
trans-1,2-Dichloroethene	U		0.00154	0.00539	1	09/16/2019 16:05	WG1346556
1,2-Dichloropropane	U		0.00137	0.00539	1	09/16/2019 16:05	WG1346556
1,1-Dichloropropene	U		0.000755	0.00270	1	09/16/2019 16:05	WG1346556
1,3-Dichloropropane	U		0.00189	0.00539	1	09/16/2019 16:05	WG1346556
cis-1,3-Dichloropropene	U		0.000731	0.00270	1	09/16/2019 16:05	WG1346556
trans-1,3-Dichloropropene	U		0.00165	0.00539	1	09/16/2019 16:05	WG1346556
trans-1,4-Dichloro-2-butene	U		0.00151	0.00539	1	09/16/2019 16:05	WG1346556
2,2-Dichloropropane	U		0.000855	0.00270	1	09/16/2019 16:05	WG1346556
Di-isopropyl ether	U		0.000378	0.00108	1	09/16/2019 16:05	WG1346556
Ethylbenzene	U		0.000572	0.00270	1	09/16/2019 16:05	WG1346556
Hexachloro-1,3-butadiene	U		0.0137	0.0270	1	09/16/2019 16:05	WG1346556
2-Hexanone	U		0.0108	0.0270	1	09/16/2019 16:05	WG1346556
n-Hexane	0.00400	J	0.00114	0.00539	1	09/16/2019 16:05	WG1346556
Iodomethane	U		0.00653	0.0135	1	09/16/2019 16:05	WG1346556
Isopropylbenzene	U		0.000931	0.00270	1	09/16/2019 16:05	WG1346556
p-Isopropyltoluene	U		0.00251	0.00539	1	09/16/2019 16:05	WG1346556
2-Butanone (MEK)	U		0.0135	0.0270	1	09/16/2019 16:05	WG1346556
Methylene Chloride	0.0111	B J	0.00716	0.0270	1	09/16/2019 16:05	WG1346556
4-Methyl-2-pentanone (MIBK)	U		0.0108	0.0270	1	09/16/2019 16:05	WG1346556

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

Analyte	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	09/16/2019 16:05	WG1346556
Naphthalene	U		0.00337	0.0135	1	09/16/2019 16:05	WG1346556
n-Propylbenzene	U		0.00127	0.00539	1	09/16/2019 16:05	WG1346556
Styrene	U		0.00294	0.0135	1	09/16/2019 16:05	WG1346556
1,1,1,2-Tetrachloroethane	U		0.000539	0.00270	1	09/16/2019 16:05	WG1346556
1,1,2,2-Tetrachloroethane	U		0.000421	0.00270	1	09/16/2019 16:05	WG1346556
1,1,2-Trichlorotrifluoroethane	U		0.000728	0.00270	1	09/16/2019 16:05	WG1346556
Tetrachloroethene	0.00305		0.000755	0.00270	1	09/16/2019 16:05	WG1346556
Toluene	0.00535	J	0.00135	0.00539	1	09/16/2019 16:05	WG1346556
1,2,3-Trichlorobenzene	U		0.000674	0.00270	1	09/16/2019 16:05	WG1346556
1,2,4-Trichlorobenzene	U		0.00520	0.0135	1	09/16/2019 16:05	WG1346556
1,1,1-Trichloroethane	U		0.000297	0.00270	1	09/16/2019 16:05	WG1346556
1,1,2-Trichloroethane	U		0.000953	0.00270	1	09/16/2019 16:05	WG1346556
Trichloroethene	U		0.000431	0.00108	1	09/16/2019 16:05	WG1346556
Trichlorofluoromethane	0.00182	J	0.000539	0.00270	1	09/16/2019 16:05	WG1346556
1,2,3-Trichloropropane	U		0.00550	0.0135	1	09/16/2019 16:05	WG1346556
1,2,4-Trimethylbenzene	U		0.00125	0.00539	1	09/16/2019 16:05	WG1346556
1,2,3-Trimethylbenzene	U		0.00124	0.00539	1	09/16/2019 16:05	WG1346556
1,3,5-Trimethylbenzene	U		0.00117	0.00539	1	09/16/2019 16:05	WG1346556
Vinyl acetate	U		0.00380	0.0135	1	09/16/2019 16:05	WG1346556
Vinyl chloride	U		0.000737	0.00270	1	09/16/2019 16:05	WG1346556
Xylenes, Total	U		0.00516	0.00701	1	09/16/2019 16:05	WG1346556
(S) Toluene-d8	*106*			*75.0-131*		*09/16/2019 16:05*	WG1346556
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*09/16/2019 16:05*	WG1346556
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*09/16/2019 16:05*	WG1346556

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.1		1	09/17/2019 16:33	WG1347285

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0400		0.0155	0.0284	1	09/16/2019 16:25	WG1346556
Acrylonitrile	U		0.00216	0.0142	1	09/16/2019 16:25	WG1346556
Benzene	U		0.000454	0.00113	1	09/16/2019 16:25	WG1346556
Bromobenzene	U		0.00119	0.0142	1	09/16/2019 16:25	WG1346556
Bromodichloromethane	U		0.000894	0.00284	1	09/16/2019 16:25	WG1346556
Bromochloromethane	U		0.00128	0.00567	1	09/16/2019 16:25	WG1346556
Bromoform	U		0.00678	0.0284	1	09/16/2019 16:25	WG1346556
Bromomethane	U		0.00420	0.0142	1	09/16/2019 16:25	WG1346556
n-Butylbenzene	U		0.00436	0.0142	1	09/16/2019 16:25	WG1346556
sec-Butylbenzene	U		0.00287	0.0142	1	09/16/2019 16:25	WG1346556
tert-Butylbenzene	U		0.00176	0.00567	1	09/16/2019 16:25	WG1346556
Carbon disulfide	U		0.00461	0.0142	1	09/16/2019 16:25	WG1346556
Carbon tetrachloride	U		0.00123	0.00567	1	09/16/2019 16:25	WG1346556
Chlorobenzene	U		0.000650	0.00284	1	09/16/2019 16:25	WG1346556
Chlorodibromomethane	U		0.000511	0.00284	1	09/16/2019 16:25	WG1346556
Chloroethane	U		0.00123	0.00567	1	09/16/2019 16:25	WG1346556
Chloroform	0.000593	B J	0.000471	0.00284	1	09/16/2019 16:25	WG1346556
Chloromethane	U		0.00158	0.0142	1	09/16/2019 16:25	WG1346556
2-Chlorotoluene	U		0.00104	0.00284	1	09/16/2019 16:25	WG1346556
4-Chlorotoluene	U		0.00128	0.00567	1	09/16/2019 16:25	WG1346556
1,2-Dibromo-3-Chloropropane	U		0.00579	0.0284	1	09/16/2019 16:25	WG1346556
1,2-Dibromoethane	U		0.000596	0.00284	1	09/16/2019 16:25	WG1346556
Dibromomethane	U		0.00113	0.00567	1	09/16/2019 16:25	WG1346556
1,2-Dichlorobenzene	U		0.00165	0.00567	1	09/16/2019 16:25	WG1346556
1,3-Dichlorobenzene	U		0.00193	0.00567	1	09/16/2019 16:25	WG1346556
1,4-Dichlorobenzene	U		0.00223	0.00567	1	09/16/2019 16:25	WG1346556
Dichlorodifluoromethane	U		0.000928	0.00284	1	09/16/2019 16:25	WG1346556
1,1-Dichloroethane	0.00317		0.000652	0.00284	1	09/16/2019 16:25	WG1346556
1,2-Dichloroethane	U		0.000539	0.00284	1	09/16/2019 16:25	WG1346556
1,1-Dichloroethene	0.000568	J	0.000567	0.00284	1	09/16/2019 16:25	WG1346556
cis-1,2-Dichloroethene	0.00142	J	0.000783	0.00284	1	09/16/2019 16:25	WG1346556
trans-1,2-Dichloroethene	U		0.00162	0.00567	1	09/16/2019 16:25	WG1346556
1,2-Dichloropropane	U		0.00144	0.00567	1	09/16/2019 16:25	WG1346556
1,1-Dichloropropene	U		0.000794	0.00284	1	09/16/2019 16:25	WG1346556
1,3-Dichloropropane	U		0.00199	0.00567	1	09/16/2019 16:25	WG1346556
cis-1,3-Dichloropropene	U		0.000769	0.00284	1	09/16/2019 16:25	WG1346556
trans-1,3-Dichloropropene	U		0.00174	0.00567	1	09/16/2019 16:25	WG1346556
trans-1,4-Dichloro-2-butene	U		0.00159	0.00567	1	09/16/2019 16:25	WG1346556
2,2-Dichloropropane	U		0.000900	0.00284	1	09/16/2019 16:25	WG1346556
Di-isopropyl ether	U		0.000397	0.00113	1	09/16/2019 16:25	WG1346556
Ethylbenzene	U		0.000601	0.00284	1	09/16/2019 16:25	WG1346556
Hexachloro-1,3-butadiene	U		0.0144	0.0284	1	09/16/2019 16:25	WG1346556
2-Hexanone	U		0.0113	0.0284	1	09/16/2019 16:25	WG1346556
n-Hexane	0.00626		0.00120	0.00567	1	09/16/2019 16:25	WG1346556
Iodomethane	U		0.00686	0.0142	1	09/16/2019 16:25	WG1346556
Isopropylbenzene	U		0.000979	0.00284	1	09/16/2019 16:25	WG1346556
p-Isopropyltoluene	U		0.00264	0.00567	1	09/16/2019 16:25	WG1346556
2-Butanone (MEK)	U		0.0142	0.0284	1	09/16/2019 16:25	WG1346556
Methylene Chloride	0.0116	B J	0.00753	0.0284	1	09/16/2019 16:25	WG1346556
4-Methyl-2-pentanone (MIBK)	U		0.0113	0.0284	1	09/16/2019 16:25	WG1346556

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000335	0.00113	1	09/16/2019 16:25	WG1346556
Naphthalene	U		0.00354	0.0142	1	09/16/2019 16:25	WG1346556
n-Propylbenzene	U		0.00134	0.00567	1	09/16/2019 16:25	WG1346556
Styrene	U		0.00310	0.0142	1	09/16/2019 16:25	WG1346556
1,1,1,2-Tetrachloroethane	U		0.000567	0.00284	1	09/16/2019 16:25	WG1346556
1,1,2,2-Tetrachloroethane	U		0.000442	0.00284	1	09/16/2019 16:25	WG1346556
1,1,2-Trichlorotrifluoroethane	U		0.000766	0.00284	1	09/16/2019 16:25	WG1346556
Tetrachloroethene	U		0.000794	0.00284	1	09/16/2019 16:25	WG1346556
Toluene	0.00791		0.00142	0.00567	1	09/16/2019 16:25	WG1346556
1,2,3-Trichlorobenzene	U		0.000709	0.00284	1	09/16/2019 16:25	WG1346556
1,2,4-Trichlorobenzene	U		0.00547	0.0142	1	09/16/2019 16:25	WG1346556
1,1,1-Trichloroethane	U		0.000312	0.00284	1	09/16/2019 16:25	WG1346556
1,1,2-Trichloroethane	U		0.00100	0.00284	1	09/16/2019 16:25	WG1346556
Trichloroethene	U		0.000454	0.00113	1	09/16/2019 16:25	WG1346556
Trichlorofluoromethane	0.00190	J	0.000567	0.00284	1	09/16/2019 16:25	WG1346556
1,2,3-Trichloropropane	U		0.00579	0.0142	1	09/16/2019 16:25	WG1346556
1,2,4-Trimethylbenzene	U		0.00132	0.00567	1	09/16/2019 16:25	WG1346556
1,2,3-Trimethylbenzene	U		0.00130	0.00567	1	09/16/2019 16:25	WG1346556
1,3,5-Trimethylbenzene	U		0.00123	0.00567	1	09/16/2019 16:25	WG1346556
Vinyl acetate	U		0.00399	0.0142	1	09/16/2019 16:25	WG1346556
Vinyl chloride	U		0.000775	0.00284	1	09/16/2019 16:25	WG1346556
Xylenes, Total	U		0.00542	0.00737	1	09/16/2019 16:25	WG1346556
(S) Toluene-d8	*102*			*75.0-131*		*09/16/2019 16:25*	WG1346556
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*09/16/2019 16:25*	WG1346556
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*09/16/2019 16:25*	WG1346556

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.1		1	09/17/2019 16:33	WG1347285

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0301		0.0152	0.0277	1	09/16/2019 16:46	WG1346556
Acrylonitrile	U		0.00211	0.0139	1	09/16/2019 16:46	WG1346556
Benzene	U		0.000444	0.00111	1	09/16/2019 16:46	WG1346556
Bromobenzene	U		0.00117	0.0139	1	09/16/2019 16:46	WG1346556
Bromodichloromethane	U		0.000874	0.00277	1	09/16/2019 16:46	WG1346556
Bromochloromethane	U		0.00125	0.00555	1	09/16/2019 16:46	WG1346556
Bromoform	U		0.00664	0.0277	1	09/16/2019 16:46	WG1346556
Bromomethane	U		0.00411	0.0139	1	09/16/2019 16:46	WG1346556
n-Butylbenzene	U		0.00426	0.0139	1	09/16/2019 16:46	WG1346556
sec-Butylbenzene	U		0.00281	0.0139	1	09/16/2019 16:46	WG1346556
tert-Butylbenzene	U		0.00172	0.00555	1	09/16/2019 16:46	WG1346556
Carbon disulfide	U		0.00450	0.0139	1	09/16/2019 16:46	WG1346556
Carbon tetrachloride	U		0.00120	0.00555	1	09/16/2019 16:46	WG1346556
Chlorobenzene	U		0.000636	0.00277	1	09/16/2019 16:46	WG1346556
Chlorodibromomethane	U		0.000499	0.00277	1	09/16/2019 16:46	WG1346556
Chloroethane	U		0.00120	0.00555	1	09/16/2019 16:46	WG1346556
Chloroform	0.000984	B J	0.000460	0.00277	1	09/16/2019 16:46	WG1346556
Chloromethane	U		0.00154	0.0139	1	09/16/2019 16:46	WG1346556
2-Chlorotoluene	U		0.00102	0.00277	1	09/16/2019 16:46	WG1346556
4-Chlorotoluene	U		0.00125	0.00555	1	09/16/2019 16:46	WG1346556
1,2-Dibromo-3-Chloropropane	U		0.00566	0.0277	1	09/16/2019 16:46	WG1346556
1,2-Dibromoethane	U		0.000583	0.00277	1	09/16/2019 16:46	WG1346556
Dibromomethane	U		0.00111	0.00555	1	09/16/2019 16:46	WG1346556
1,2-Dichlorobenzene	U		0.00161	0.00555	1	09/16/2019 16:46	WG1346556
1,3-Dichlorobenzene	U		0.00189	0.00555	1	09/16/2019 16:46	WG1346556
1,4-Dichlorobenzene	U		0.00219	0.00555	1	09/16/2019 16:46	WG1346556
Dichlorodifluoromethane	U		0.000908	0.00277	1	09/16/2019 16:46	WG1346556
1,1-Dichloroethane	U		0.000638	0.00277	1	09/16/2019 16:46	WG1346556
1,2-Dichloroethane	U		0.000527	0.00277	1	09/16/2019 16:46	WG1346556
1,1-Dichloroethene	U		0.000555	0.00277	1	09/16/2019 16:46	WG1346556
cis-1,2-Dichloroethene	U		0.000766	0.00277	1	09/16/2019 16:46	WG1346556
trans-1,2-Dichloroethene	U		0.00159	0.00555	1	09/16/2019 16:46	WG1346556
1,2-Dichloropropane	U		0.00141	0.00555	1	09/16/2019 16:46	WG1346556
1,1-Dichloropropene	U		0.000777	0.00277	1	09/16/2019 16:46	WG1346556
1,3-Dichloropropane	U		0.00194	0.00555	1	09/16/2019 16:46	WG1346556
cis-1,3-Dichloropropene	U		0.000752	0.00277	1	09/16/2019 16:46	WG1346556
trans-1,3-Dichloropropene	U		0.00170	0.00555	1	09/16/2019 16:46	WG1346556
trans-1,4-Dichloro-2-butene	U		0.00155	0.00555	1	09/16/2019 16:46	WG1346556
2,2-Dichloropropane	U		0.000880	0.00277	1	09/16/2019 16:46	WG1346556
Di-isopropyl ether	U		0.000388	0.00111	1	09/16/2019 16:46	WG1346556
Ethylbenzene	U		0.000588	0.00277	1	09/16/2019 16:46	WG1346556
Hexachloro-1,3-butadiene	U		0.0141	0.0277	1	09/16/2019 16:46	WG1346556
2-Hexanone	U		0.0111	0.0277	1	09/16/2019 16:46	WG1346556
n-Hexane	0.00285	J	0.00118	0.00555	1	09/16/2019 16:46	WG1346556
Iodomethane	U		0.00671	0.0139	1	09/16/2019 16:46	WG1346556
Isopropylbenzene	U		0.000958	0.00277	1	09/16/2019 16:46	WG1346556
p-Isopropyltoluene	U		0.00259	0.00555	1	09/16/2019 16:46	WG1346556
2-Butanone (MEK)	U		0.0139	0.0277	1	09/16/2019 16:46	WG1346556
Methylene Chloride	0.0125	B J	0.00737	0.0277	1	09/16/2019 16:46	WG1346556
4-Methyl-2-pentanone (MIBK)	U		0.0111	0.0277	1	09/16/2019 16:46	WG1346556

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000327	0.00111	1	09/16/2019 16:46	WG1346556
Naphthalene	U		0.00346	0.0139	1	09/16/2019 16:46	WG1346556
n-Propylbenzene	U		0.00131	0.00555	1	09/16/2019 16:46	WG1346556
Styrene	U		0.00303	0.0139	1	09/16/2019 16:46	WG1346556
1,1,1,2-Tetrachloroethane	U		0.000555	0.00277	1	09/16/2019 16:46	WG1346556
1,1,2,2-Tetrachloroethane	U		0.000433	0.00277	1	09/16/2019 16:46	WG1346556
1,1,2-Trichlorotrifluoroethane	U		0.000749	0.00277	1	09/16/2019 16:46	WG1346556
Tetrachloroethene	U		0.000777	0.00277	1	09/16/2019 16:46	WG1346556
Toluene	0.00612		0.00139	0.00555	1	09/16/2019 16:46	WG1346556
1,2,3-Trichlorobenzene	U		0.000693	0.00277	1	09/16/2019 16:46	WG1346556
1,2,4-Trichlorobenzene	U		0.00535	0.0139	1	09/16/2019 16:46	WG1346556
1,1,1-Trichloroethane	U		0.000305	0.00277	1	09/16/2019 16:46	WG1346556
1,1,2-Trichloroethane	U		0.000980	0.00277	1	09/16/2019 16:46	WG1346556
Trichloroethene	U		0.000444	0.00111	1	09/16/2019 16:46	WG1346556
Trichlorofluoromethane	U		0.000555	0.00277	1	09/16/2019 16:46	WG1346556
1,2,3-Trichloropropane	U		0.00566	0.0139	1	09/16/2019 16:46	WG1346556
1,2,4-Trimethylbenzene	U		0.00129	0.00555	1	09/16/2019 16:46	WG1346556
1,2,3-Trimethylbenzene	U		0.00128	0.00555	1	09/16/2019 16:46	WG1346556
1,3,5-Trimethylbenzene	U		0.00120	0.00555	1	09/16/2019 16:46	WG1346556
Vinyl acetate	U		0.00391	0.0139	1	09/16/2019 16:46	WG1346556
Vinyl chloride	U		0.000758	0.00277	1	09/16/2019 16:46	WG1346556
Xylenes, Total	U		0.00530	0.00721	1	09/16/2019 16:46	WG1346556
(S) Toluene-d8	*104*			*75.0-131*		*09/16/2019 16:46*	WG1346556
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*09/16/2019 16:46*	WG1346556
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*09/16/2019 16:46*	WG1346556

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.6		1	09/18/2019 12:38	WG1347340

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0212	J	0.0155	0.0282	1	09/16/2019 17:06	WG1346556
Acrylonitrile	U		0.00214	0.0141	1	09/16/2019 17:06	WG1346556
Benzene	U		0.000452	0.00113	1	09/16/2019 17:06	WG1346556
Bromobenzene	U		0.00119	0.0141	1	09/16/2019 17:06	WG1346556
Bromodichloromethane	U		0.000890	0.00282	1	09/16/2019 17:06	WG1346556
Bromochloromethane	U		0.00128	0.00564	1	09/16/2019 17:06	WG1346556
Bromoform	U		0.00675	0.0282	1	09/16/2019 17:06	WG1346556
Bromomethane	U		0.00418	0.0141	1	09/16/2019 17:06	WG1346556
n-Butylbenzene	U		0.00433	0.0141	1	09/16/2019 17:06	WG1346556
sec-Butylbenzene	U		0.00286	0.0141	1	09/16/2019 17:06	WG1346556
tert-Butylbenzene	U		0.00175	0.00564	1	09/16/2019 17:06	WG1346556
Carbon disulfide	U		0.00458	0.0141	1	09/16/2019 17:06	WG1346556
Carbon tetrachloride	U		0.00122	0.00564	1	09/16/2019 17:06	WG1346556
Chlorobenzene	U		0.000647	0.00282	1	09/16/2019 17:06	WG1346556
Chlorodibromomethane	U		0.000508	0.00282	1	09/16/2019 17:06	WG1346556
Chloroethane	U		0.00122	0.00564	1	09/16/2019 17:06	WG1346556
Chloroform	0.000694	B J	0.000468	0.00282	1	09/16/2019 17:06	WG1346556
Chloromethane	U		0.00157	0.0141	1	09/16/2019 17:06	WG1346556
2-Chlorotoluene	U		0.00104	0.00282	1	09/16/2019 17:06	WG1346556
4-Chlorotoluene	U		0.00128	0.00564	1	09/16/2019 17:06	WG1346556
1,2-Dibromo-3-Chloropropane	U		0.00576	0.0282	1	09/16/2019 17:06	WG1346556
1,2-Dibromoethane	U		0.000593	0.00282	1	09/16/2019 17:06	WG1346556
Dibromomethane	U		0.00113	0.00564	1	09/16/2019 17:06	WG1346556
1,2-Dichlorobenzene	U		0.00164	0.00564	1	09/16/2019 17:06	WG1346556
1,3-Dichlorobenzene	U		0.00192	0.00564	1	09/16/2019 17:06	WG1346556
1,4-Dichlorobenzene	U		0.00222	0.00564	1	09/16/2019 17:06	WG1346556
Dichlorodifluoromethane	U		0.000923	0.00282	1	09/16/2019 17:06	WG1346556
1,1-Dichloroethane	U		0.000649	0.00282	1	09/16/2019 17:06	WG1346556
1,2-Dichloroethane	U		0.000536	0.00282	1	09/16/2019 17:06	WG1346556
1,1-Dichloroethene	U		0.000564	0.00282	1	09/16/2019 17:06	WG1346556
cis-1,2-Dichloroethene	U		0.000779	0.00282	1	09/16/2019 17:06	WG1346556
trans-1,2-Dichloroethene	U		0.00161	0.00564	1	09/16/2019 17:06	WG1346556
1,2-Dichloropropane	U		0.00143	0.00564	1	09/16/2019 17:06	WG1346556
1,1-Dichloropropene	U		0.000790	0.00282	1	09/16/2019 17:06	WG1346556
1,3-Dichloropropane	U		0.00198	0.00564	1	09/16/2019 17:06	WG1346556
cis-1,3-Dichloropropene	U		0.000765	0.00282	1	09/16/2019 17:06	WG1346556
trans-1,3-Dichloropropene	U		0.00173	0.00564	1	09/16/2019 17:06	WG1346556
trans-1,4-Dichloro-2-butene	U		0.00158	0.00564	1	09/16/2019 17:06	WG1346556
2,2-Dichloropropane	U		0.000895	0.00282	1	09/16/2019 17:06	WG1346556
Di-isopropyl ether	U		0.000395	0.00113	1	09/16/2019 17:06	WG1346556
Ethylbenzene	U		0.000598	0.00282	1	09/16/2019 17:06	WG1346556
Hexachloro-1,3-butadiene	U		0.0143	0.0282	1	09/16/2019 17:06	WG1346556
2-Hexanone	U		0.0113	0.0282	1	09/16/2019 17:06	WG1346556
n-Hexane	0.00409	J	0.00120	0.00564	1	09/16/2019 17:06	WG1346556
Iodomethane	U		0.00683	0.0141	1	09/16/2019 17:06	WG1346556
Isopropylbenzene	U		0.000974	0.00282	1	09/16/2019 17:06	WG1346556
p-Isopropyltoluene	U		0.00263	0.00564	1	09/16/2019 17:06	WG1346556
2-Butanone (MEK)	U		0.0141	0.0282	1	09/16/2019 17:06	WG1346556
Methylene Chloride	0.0119	B J	0.00750	0.0282	1	09/16/2019 17:06	WG1346556
4-Methyl-2-pentanone (MIBK)	U		0.0113	0.0282	1	09/16/2019 17:06	WG1346556

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

Analyte	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	09/16/2019 17:06	WG1346556
Naphthalene	U		0.00352	0.0141	1	09/16/2019 17:06	WG1346556
n-Propylbenzene	U		0.00133	0.00564	1	09/16/2019 17:06	WG1346556
Styrene	U		0.00308	0.0141	1	09/16/2019 17:06	WG1346556
1,1,1,2-Tetrachloroethane	U		0.000564	0.00282	1	09/16/2019 17:06	WG1346556
1,1,2,2-Tetrachloroethane	U		0.000440	0.00282	1	09/16/2019 17:06	WG1346556
1,1,2-Trichlorotrifluoroethane	U		0.000762	0.00282	1	09/16/2019 17:06	WG1346556
Tetrachloroethene	U		0.000790	0.00282	1	09/16/2019 17:06	WG1346556
Toluene	0.00707		0.00141	0.00564	1	09/16/2019 17:06	WG1346556
1,2,3-Trichlorobenzene	U		0.000706	0.00282	1	09/16/2019 17:06	WG1346556
1,2,4-Trichlorobenzene	U		0.00544	0.0141	1	09/16/2019 17:06	WG1346556
1,1,1-Trichloroethane	U		0.000310	0.00282	1	09/16/2019 17:06	WG1346556
1,1,2-Trichloroethane	U		0.000997	0.00282	1	09/16/2019 17:06	WG1346556
Trichloroethene	U		0.000452	0.00113	1	09/16/2019 17:06	WG1346556
Trichlorofluoromethane	0.00170	J	0.000564	0.00282	1	09/16/2019 17:06	WG1346556
1,2,3-Trichloropropane	U		0.00576	0.0141	1	09/16/2019 17:06	WG1346556
1,2,4-Trimethylbenzene	U		0.00131	0.00564	1	09/16/2019 17:06	WG1346556
1,2,3-Trimethylbenzene	U		0.00130	0.00564	1	09/16/2019 17:06	WG1346556
1,3,5-Trimethylbenzene	U		0.00122	0.00564	1	09/16/2019 17:06	WG1346556
Vinyl acetate	U		0.00397	0.0141	1	09/16/2019 17:06	WG1346556
Vinyl chloride	U		0.000771	0.00282	1	09/16/2019 17:06	WG1346556
Xylenes, Total	U		0.00540	0.00734	1	09/16/2019 17:06	WG1346556
(S) Toluene-d8	*106*			*75.0-131*		*09/16/2019 17:06*	WG1346556
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*09/16/2019 17:06*	WG1346556
(S) 1,2-Dichloroethane-d4	*97.4*			*70.0-130*		*09/16/2019 17:06*	WG1346556

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.9		1	09/18/2019 12:38	WG1347340

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0202	J	0.0156	0.0284	1	09/16/2019 17:26	WG1346556
Acrylonitrile	U		0.00216	0.0142	1	09/16/2019 17:26	WG1346556
Benzene	U		0.000455	0.00114	1	09/16/2019 17:26	WG1346556
Bromobenzene	U		0.00119	0.0142	1	09/16/2019 17:26	WG1346556
Bromodichloromethane	U		0.000897	0.00284	1	09/16/2019 17:26	WG1346556
Bromochloromethane	U		0.00129	0.00569	1	09/16/2019 17:26	WG1346556
Bromoform	U		0.00681	0.0284	1	09/16/2019 17:26	WG1346556
Bromomethane	U		0.00421	0.0142	1	09/16/2019 17:26	WG1346556
n-Butylbenzene	U		0.00437	0.0142	1	09/16/2019 17:26	WG1346556
sec-Butylbenzene	U		0.00288	0.0142	1	09/16/2019 17:26	WG1346556
tert-Butylbenzene	U		0.00176	0.00569	1	09/16/2019 17:26	WG1346556
Carbon disulfide	U		0.00462	0.0142	1	09/16/2019 17:26	WG1346556
Carbon tetrachloride	U		0.00123	0.00569	1	09/16/2019 17:26	WG1346556
Chlorobenzene	U		0.000652	0.00284	1	09/16/2019 17:26	WG1346556
Chlorodibromomethane	U		0.000512	0.00284	1	09/16/2019 17:26	WG1346556
Chloroethane	U		0.00123	0.00569	1	09/16/2019 17:26	WG1346556
Chloroform	0.000542	B J	0.000472	0.00284	1	09/16/2019 17:26	WG1346556
Chloromethane	U		0.00158	0.0142	1	09/16/2019 17:26	WG1346556
2-Chlorotoluene	U		0.00105	0.00284	1	09/16/2019 17:26	WG1346556
4-Chlorotoluene	U		0.00129	0.00569	1	09/16/2019 17:26	WG1346556
1,2-Dibromo-3-Chloropropane	U		0.00580	0.0284	1	09/16/2019 17:26	WG1346556
1,2-Dibromoethane	U		0.000597	0.00284	1	09/16/2019 17:26	WG1346556
Dibromomethane	U		0.00114	0.00569	1	09/16/2019 17:26	WG1346556
1,2-Dichlorobenzene	U		0.00165	0.00569	1	09/16/2019 17:26	WG1346556
1,3-Dichlorobenzene	U		0.00193	0.00569	1	09/16/2019 17:26	WG1346556
1,4-Dichlorobenzene	U		0.00224	0.00569	1	09/16/2019 17:26	WG1346556
Dichlorodifluoromethane	U		0.000931	0.00284	1	09/16/2019 17:26	WG1346556
1,1-Dichloroethane	U		0.000654	0.00284	1	09/16/2019 17:26	WG1346556
1,2-Dichloroethane	U		0.000541	0.00284	1	09/16/2019 17:26	WG1346556
1,1-Dichloroethene	U		0.000569	0.00284	1	09/16/2019 17:26	WG1346556
cis-1,2-Dichloroethene	U		0.000785	0.00284	1	09/16/2019 17:26	WG1346556
trans-1,2-Dichloroethene	U		0.00163	0.00569	1	09/16/2019 17:26	WG1346556
1,2-Dichloropropane	U		0.00145	0.00569	1	09/16/2019 17:26	WG1346556
1,1-Dichloropropene	U		0.000797	0.00284	1	09/16/2019 17:26	WG1346556
1,3-Dichloropropane	U		0.00199	0.00569	1	09/16/2019 17:26	WG1346556
cis-1,3-Dichloropropene	U		0.000772	0.00284	1	09/16/2019 17:26	WG1346556
trans-1,3-Dichloropropene	U		0.00174	0.00569	1	09/16/2019 17:26	WG1346556
trans-1,4-Dichloro-2-butene	U		0.00159	0.00569	1	09/16/2019 17:26	WG1346556
2,2-Dichloropropane	U		0.000902	0.00284	1	09/16/2019 17:26	WG1346556
Di-isopropyl ether	U		0.000398	0.00114	1	09/16/2019 17:26	WG1346556
Ethylbenzene	U		0.000603	0.00284	1	09/16/2019 17:26	WG1346556
Hexachloro-1,3-butadiene	U		0.0145	0.0284	1	09/16/2019 17:26	WG1346556
2-Hexanone	U		0.0114	0.0284	1	09/16/2019 17:26	WG1346556
n-Hexane	0.00485	J	0.00121	0.00569	1	09/16/2019 17:26	WG1346556
Iodomethane	U		0.00688	0.0142	1	09/16/2019 17:26	WG1346556
Isopropylbenzene	U		0.000982	0.00284	1	09/16/2019 17:26	WG1346556
p-Isopropyltoluene	U		0.00265	0.00569	1	09/16/2019 17:26	WG1346556
2-Butanone (MEK)	U		0.0142	0.0284	1	09/16/2019 17:26	WG1346556
Methylene Chloride	0.00847	B J	0.00756	0.0284	1	09/16/2019 17:26	WG1346556
4-Methyl-2-pentanone (MIBK)	U		0.0114	0.0284	1	09/16/2019 17:26	WG1346556

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

Analyte	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	09/16/2019 17:26	WG1346556
Naphthalene	U		0.00355	0.0142	1	09/16/2019 17:26	WG1346556
n-Propylbenzene	U		0.00134	0.00569	1	09/16/2019 17:26	WG1346556
Styrene	U		0.00311	0.0142	1	09/16/2019 17:26	WG1346556
1,1,1,2-Tetrachloroethane	U		0.000569	0.00284	1	09/16/2019 17:26	WG1346556
1,1,2,2-Tetrachloroethane	U		0.000444	0.00284	1	09/16/2019 17:26	WG1346556
1,1,2-Trichlorotrifluoroethane	U		0.000768	0.00284	1	09/16/2019 17:26	WG1346556
Tetrachloroethene	U		0.000797	0.00284	1	09/16/2019 17:26	WG1346556
Toluene	0.00483	J	0.00142	0.00569	1	09/16/2019 17:26	WG1346556
1,2,3-Trichlorobenzene	U		0.000711	0.00284	1	09/16/2019 17:26	WG1346556
1,2,4-Trichlorobenzene	U		0.00549	0.0142	1	09/16/2019 17:26	WG1346556
1,1,1-Trichloroethane	U		0.000313	0.00284	1	09/16/2019 17:26	WG1346556
1,1,2-Trichloroethane	U		0.00100	0.00284	1	09/16/2019 17:26	WG1346556
Trichloroethene	U		0.000455	0.00114	1	09/16/2019 17:26	WG1346556
Trichlorofluoromethane	U		0.000569	0.00284	1	09/16/2019 17:26	WG1346556
1,2,3-Trichloropropane	U		0.00580	0.0142	1	09/16/2019 17:26	WG1346556
1,2,4-Trimethylbenzene	U		0.00132	0.00569	1	09/16/2019 17:26	WG1346556
1,2,3-Trimethylbenzene	U		0.00131	0.00569	1	09/16/2019 17:26	WG1346556
1,3,5-Trimethylbenzene	U		0.00123	0.00569	1	09/16/2019 17:26	WG1346556
Vinyl acetate	U		0.00401	0.0142	1	09/16/2019 17:26	WG1346556
Vinyl chloride	U		0.000777	0.00284	1	09/16/2019 17:26	WG1346556
Xylenes, Total	U		0.00544	0.00740	1	09/16/2019 17:26	WG1346556
(S) Toluene-d8	*109*			*75.0-131*		*09/16/2019 17:26*	WG1346556
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/16/2019 17:26*	WG1346556
(S) 1,2-Dichloroethane-d4	*97.9*			*70.0-130*		*09/16/2019 17:26*	WG1346556

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.9		1	09/18/2019 12:38	WG1347340

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0246	J	0.0152	0.0278	1	09/16/2019 17:47	WG1346556
Acrylonitrile	U		0.00211	0.0139	1	09/16/2019 17:47	WG1346556
Benzene	U		0.000445	0.00111	1	09/16/2019 17:47	WG1346556
Bromobenzene	U		0.00117	0.0139	1	09/16/2019 17:47	WG1346556
Bromodichloromethane	U		0.000876	0.00278	1	09/16/2019 17:47	WG1346556
Bromochloromethane	U		0.00126	0.00556	1	09/16/2019 17:47	WG1346556
Bromoform	U		0.00665	0.0278	1	09/16/2019 17:47	WG1346556
Bromomethane	U		0.00411	0.0139	1	09/16/2019 17:47	WG1346556
n-Butylbenzene	U		0.00427	0.0139	1	09/16/2019 17:47	WG1346556
sec-Butylbenzene	U		0.00281	0.0139	1	09/16/2019 17:47	WG1346556
tert-Butylbenzene	U		0.00172	0.00556	1	09/16/2019 17:47	WG1346556
Carbon disulfide	U		0.00451	0.0139	1	09/16/2019 17:47	WG1346556
Carbon tetrachloride	U		0.00120	0.00556	1	09/16/2019 17:47	WG1346556
Chlorobenzene	U		0.000637	0.00278	1	09/16/2019 17:47	WG1346556
Chlorodibromomethane	U		0.000500	0.00278	1	09/16/2019 17:47	WG1346556
Chloroethane	U		0.00120	0.00556	1	09/16/2019 17:47	WG1346556
Chloroform	U		0.000461	0.00278	1	09/16/2019 17:47	WG1346556
Chloromethane	U		0.00155	0.0139	1	09/16/2019 17:47	WG1346556
2-Chlorotoluene	U		0.00102	0.00278	1	09/16/2019 17:47	WG1346556
4-Chlorotoluene	U		0.00126	0.00556	1	09/16/2019 17:47	WG1346556
1,2-Dibromo-3-Chloropropane	U		0.00567	0.0278	1	09/16/2019 17:47	WG1346556
1,2-Dibromoethane	U		0.000584	0.00278	1	09/16/2019 17:47	WG1346556
Dibromomethane	U		0.00111	0.00556	1	09/16/2019 17:47	WG1346556
1,2-Dichlorobenzene	U		0.00161	0.00556	1	09/16/2019 17:47	WG1346556
1,3-Dichlorobenzene	U		0.00189	0.00556	1	09/16/2019 17:47	WG1346556
1,4-Dichlorobenzene	U		0.00219	0.00556	1	09/16/2019 17:47	WG1346556
Dichlorodifluoromethane	U		0.000910	0.00278	1	09/16/2019 17:47	WG1346556
1,1-Dichloroethane	U		0.000639	0.00278	1	09/16/2019 17:47	WG1346556
1,2-Dichloroethane	U		0.000528	0.00278	1	09/16/2019 17:47	WG1346556
1,1-Dichloroethene	U		0.000556	0.00278	1	09/16/2019 17:47	WG1346556
cis-1,2-Dichloroethene	U		0.000767	0.00278	1	09/16/2019 17:47	WG1346556
trans-1,2-Dichloroethene	U		0.00159	0.00556	1	09/16/2019 17:47	WG1346556
1,2-Dichloropropane	U		0.00141	0.00556	1	09/16/2019 17:47	WG1346556
1,1-Dichloropropene	U		0.000778	0.00278	1	09/16/2019 17:47	WG1346556
1,3-Dichloropropane	U		0.00195	0.00556	1	09/16/2019 17:47	WG1346556
cis-1,3-Dichloropropene	U		0.000754	0.00278	1	09/16/2019 17:47	WG1346556
trans-1,3-Dichloropropene	U		0.00170	0.00556	1	09/16/2019 17:47	WG1346556
trans-1,4-Dichloro-2-butene	U		0.00156	0.00556	1	09/16/2019 17:47	WG1346556
2,2-Dichloropropane	U		0.000882	0.00278	1	09/16/2019 17:47	WG1346556
Di-isopropyl ether	U		0.000389	0.00111	1	09/16/2019 17:47	WG1346556
Ethylbenzene	U		0.000589	0.00278	1	09/16/2019 17:47	WG1346556
Hexachloro-1,3-butadiene	U		0.0141	0.0278	1	09/16/2019 17:47	WG1346556
2-Hexanone	U		0.0111	0.0278	1	09/16/2019 17:47	WG1346556
n-Hexane	0.00338	J	0.00118	0.00556	1	09/16/2019 17:47	WG1346556
Iodomethane	U		0.00673	0.0139	1	09/16/2019 17:47	WG1346556
Isopropylbenzene	U		0.000960	0.00278	1	09/16/2019 17:47	WG1346556
p-Isopropyltoluene	U		0.00259	0.00556	1	09/16/2019 17:47	WG1346556
2-Butanone (MEK)	U		0.0139	0.0278	1	09/16/2019 17:47	WG1346556
Methylene Chloride	0.0104	B J	0.00738	0.0278	1	09/16/2019 17:47	WG1346556
4-Methyl-2-pentanone (MIBK)	U		0.0111	0.0278	1	09/16/2019 17:47	WG1346556

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

Analyte	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	09/16/2019 17:47	WG1346556
Naphthalene	U		0.00347	0.0139	1	09/16/2019 17:47	WG1346556
n-Propylbenzene	U		0.00131	0.00556	1	09/16/2019 17:47	WG1346556
Styrene	U		0.00304	0.0139	1	09/16/2019 17:47	WG1346556
1,1,1,2-Tetrachloroethane	U		0.000556	0.00278	1	09/16/2019 17:47	WG1346556
1,1,2,2-Tetrachloroethane	U		0.000434	0.00278	1	09/16/2019 17:47	WG1346556
1,1,2-Trichlorotrifluoroethane	U		0.000751	0.00278	1	09/16/2019 17:47	WG1346556
Tetrachloroethene	U		0.000778	0.00278	1	09/16/2019 17:47	WG1346556
Toluene	0.00703		0.00139	0.00556	1	09/16/2019 17:47	WG1346556
1,2,3-Trichlorobenzene	U		0.000695	0.00278	1	09/16/2019 17:47	WG1346556
1,2,4-Trichlorobenzene	U		0.00536	0.0139	1	09/16/2019 17:47	WG1346556
1,1,1-Trichloroethane	U		0.000306	0.00278	1	09/16/2019 17:47	WG1346556
1,1,2-Trichloroethane	U		0.000982	0.00278	1	09/16/2019 17:47	WG1346556
Trichloroethene	U		0.000445	0.00111	1	09/16/2019 17:47	WG1346556
Trichlorofluoromethane	0.00156	J	0.000556	0.00278	1	09/16/2019 17:47	WG1346556
1,2,3-Trichloropropane	U		0.00567	0.0139	1	09/16/2019 17:47	WG1346556
1,2,4-Trimethylbenzene	U		0.00129	0.00556	1	09/16/2019 17:47	WG1346556
1,2,3-Trimethylbenzene	U		0.00128	0.00556	1	09/16/2019 17:47	WG1346556
1,3,5-Trimethylbenzene	U		0.00120	0.00556	1	09/16/2019 17:47	WG1346556
Vinyl acetate	U		0.00391	0.0139	1	09/16/2019 17:47	WG1346556
Vinyl chloride	U		0.000759	0.00278	1	09/16/2019 17:47	WG1346556
Xylenes, Total	U		0.00532	0.00723	1	09/16/2019 17:47	WG1346556
(S) Toluene-d8	*109*			*75.0-131*		*09/16/2019 17:47*	WG1346556
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*09/16/2019 17:47*	WG1346556
(S) 1,2-Dichloroethane-d4	*91.5*			*70.0-130*		*09/16/2019 17:47*	WG1346556

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.6		1	09/18/2019 12:38	WG1347340

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0273	J	0.0164	0.0299	1	09/16/2019 18:07	WG1346556
Acrylonitrile	U		0.00227	0.0150	1	09/16/2019 18:07	WG1346556
Benzene	U		0.000479	0.00120	1	09/16/2019 18:07	WG1346556
Bromobenzene	U		0.00126	0.0150	1	09/16/2019 18:07	WG1346556
Bromodichloromethane	U		0.000943	0.00299	1	09/16/2019 18:07	WG1346556
Bromochloromethane	U		0.00135	0.00598	1	09/16/2019 18:07	WG1346556
Bromoform	U		0.00716	0.0299	1	09/16/2019 18:07	WG1346556
Bromomethane	U		0.00443	0.0150	1	09/16/2019 18:07	WG1346556
n-Butylbenzene	U		0.00459	0.0150	1	09/16/2019 18:07	WG1346556
sec-Butylbenzene	U		0.00303	0.0150	1	09/16/2019 18:07	WG1346556
tert-Butylbenzene	U		0.00185	0.00598	1	09/16/2019 18:07	WG1346556
Carbon disulfide	U		0.00486	0.0150	1	09/16/2019 18:07	WG1346556
Carbon tetrachloride	U		0.00129	0.00598	1	09/16/2019 18:07	WG1346556
Chlorobenzene	U		0.000686	0.00299	1	09/16/2019 18:07	WG1346556
Chlorodibromomethane	U		0.000538	0.00299	1	09/16/2019 18:07	WG1346556
Chloroethane	U		0.00129	0.00598	1	09/16/2019 18:07	WG1346556
Chloroform	0.000850	B J	0.000497	0.00299	1	09/16/2019 18:07	WG1346556
Chloromethane	U		0.00166	0.0150	1	09/16/2019 18:07	WG1346556
2-Chlorotoluene	U		0.00110	0.00299	1	09/16/2019 18:07	WG1346556
4-Chlorotoluene	U		0.00135	0.00598	1	09/16/2019 18:07	WG1346556
1,2-Dibromo-3-Chloropropane	U		0.00610	0.0299	1	09/16/2019 18:07	WG1346556
1,2-Dibromoethane	U		0.000628	0.00299	1	09/16/2019 18:07	WG1346556
Dibromomethane	U		0.00120	0.00598	1	09/16/2019 18:07	WG1346556
1,2-Dichlorobenzene	U		0.00173	0.00598	1	09/16/2019 18:07	WG1346556
1,3-Dichlorobenzene	U		0.00203	0.00598	1	09/16/2019 18:07	WG1346556
1,4-Dichlorobenzene	U		0.00236	0.00598	1	09/16/2019 18:07	WG1346556
Dichlorodifluoromethane	U		0.000979	0.00299	1	09/16/2019 18:07	WG1346556
1,1-Dichloroethane	U		0.000688	0.00299	1	09/16/2019 18:07	WG1346556
1,2-Dichloroethane	U		0.000568	0.00299	1	09/16/2019 18:07	WG1346556
1,1-Dichloroethene	U		0.000598	0.00299	1	09/16/2019 18:07	WG1346556
cis-1,2-Dichloroethene	U		0.000826	0.00299	1	09/16/2019 18:07	WG1346556
trans-1,2-Dichloroethene	U		0.00171	0.00598	1	09/16/2019 18:07	WG1346556
1,2-Dichloropropane	U		0.00152	0.00598	1	09/16/2019 18:07	WG1346556
1,1-Dichloropropene	U		0.000838	0.00299	1	09/16/2019 18:07	WG1346556
1,3-Dichloropropane	U		0.00209	0.00598	1	09/16/2019 18:07	WG1346556
cis-1,3-Dichloropropene	U		0.000811	0.00299	1	09/16/2019 18:07	WG1346556
trans-1,3-Dichloropropene	U		0.00183	0.00598	1	09/16/2019 18:07	WG1346556
trans-1,4-Dichloro-2-butene	U		0.00168	0.00598	1	09/16/2019 18:07	WG1346556
2,2-Dichloropropane	U		0.000949	0.00299	1	09/16/2019 18:07	WG1346556
Di-isopropyl ether	U		0.000419	0.00120	1	09/16/2019 18:07	WG1346556
Ethylbenzene	U		0.000634	0.00299	1	09/16/2019 18:07	WG1346556
Hexachloro-1,3-butadiene	U		0.0152	0.0299	1	09/16/2019 18:07	WG1346556
2-Hexanone	U		0.0120	0.0299	1	09/16/2019 18:07	WG1346556
n-Hexane	0.00718		0.00127	0.00598	1	09/16/2019 18:07	WG1346556
Iodomethane	U		0.00724	0.0150	1	09/16/2019 18:07	WG1346556
Isopropylbenzene	U		0.00103	0.00299	1	09/16/2019 18:07	WG1346556
p-Isopropyltoluene	U		0.00279	0.00598	1	09/16/2019 18:07	WG1346556
2-Butanone (MEK)	U		0.0150	0.0299	1	09/16/2019 18:07	WG1346556
Methylene Chloride	0.0176	B J	0.00794	0.0299	1	09/16/2019 18:07	WG1346556
4-Methyl-2-pentanone (MIBK)	U		0.0120	0.0299	1	09/16/2019 18:07	WG1346556

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000353	0.00120	1	09/16/2019 18:07	WG1346556
Naphthalene	U		0.00373	0.0150	1	09/16/2019 18:07	WG1346556
n-Propylbenzene	U		0.00141	0.00598	1	09/16/2019 18:07	WG1346556
Styrene	U		0.00327	0.0150	1	09/16/2019 18:07	WG1346556
1,1,1,2-Tetrachloroethane	U		0.000598	0.00299	1	09/16/2019 18:07	WG1346556
1,1,2,2-Tetrachloroethane	U		0.000467	0.00299	1	09/16/2019 18:07	WG1346556
1,1,2-Trichlorotrifluoroethane	U		0.000808	0.00299	1	09/16/2019 18:07	WG1346556
Tetrachloroethene	U		0.000838	0.00299	1	09/16/2019 18:07	WG1346556
Toluene	0.0112		0.00150	0.00598	1	09/16/2019 18:07	WG1346556
1,2,3-Trichlorobenzene	U		0.000748	0.00299	1	09/16/2019 18:07	WG1346556
1,2,4-Trichlorobenzene	U		0.00577	0.0150	1	09/16/2019 18:07	WG1346556
1,1,1-Trichloroethane	U		0.000329	0.00299	1	09/16/2019 18:07	WG1346556
1,1,2-Trichloroethane	U		0.00106	0.00299	1	09/16/2019 18:07	WG1346556
Trichloroethene	U		0.000479	0.00120	1	09/16/2019 18:07	WG1346556
Trichlorofluoromethane	0.00236	J	0.000598	0.00299	1	09/16/2019 18:07	WG1346556
1,2,3-Trichloropropane	U		0.00610	0.0150	1	09/16/2019 18:07	WG1346556
1,2,4-Trimethylbenzene	U		0.00139	0.00598	1	09/16/2019 18:07	WG1346556
1,2,3-Trimethylbenzene	U		0.00138	0.00598	1	09/16/2019 18:07	WG1346556
1,3,5-Trimethylbenzene	U		0.00129	0.00598	1	09/16/2019 18:07	WG1346556
Vinyl acetate	U		0.00421	0.0150	1	09/16/2019 18:07	WG1346556
Vinyl chloride	U		0.000817	0.00299	1	09/16/2019 18:07	WG1346556
Xylenes, Total	U		0.00572	0.00778	1	09/16/2019 18:07	WG1346556
(S) Toluene-d8	*106*			*75.0-131*		*09/16/2019 18:07*	WG1346556
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/16/2019 18:07*	WG1346556
(S) 1,2-Dichloroethane-d4	*97.7*			*70.0-130*		*09/16/2019 18:07*	WG1346556

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.3		1	09/18/2019 12:38	WG1347340

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0174	J	0.0155	0.0283	1	09/16/2019 18:28	WG1346556
Acrylonitrile	U		0.00215	0.0142	1	09/16/2019 18:28	WG1346556
Benzene	U		0.000453	0.00113	1	09/16/2019 18:28	WG1346556
Bromobenzene	U		0.00119	0.0142	1	09/16/2019 18:28	WG1346556
Bromodichloromethane	U		0.000892	0.00283	1	09/16/2019 18:28	WG1346556
Bromochloromethane	U		0.00128	0.00566	1	09/16/2019 18:28	WG1346556
Bromoform	U		0.00677	0.0283	1	09/16/2019 18:28	WG1346556
Bromomethane	U		0.00419	0.0142	1	09/16/2019 18:28	WG1346556
n-Butylbenzene	U		0.00435	0.0142	1	09/16/2019 18:28	WG1346556
sec-Butylbenzene	U		0.00287	0.0142	1	09/16/2019 18:28	WG1346556
tert-Butylbenzene	U		0.00176	0.00566	1	09/16/2019 18:28	WG1346556
Carbon disulfide	U		0.00460	0.0142	1	09/16/2019 18:28	WG1346556
Carbon tetrachloride	U		0.00122	0.00566	1	09/16/2019 18:28	WG1346556
Chlorobenzene	U		0.000649	0.00283	1	09/16/2019 18:28	WG1346556
Chlorodibromomethane	U		0.000510	0.00283	1	09/16/2019 18:28	WG1346556
Chloroethane	U		0.00122	0.00566	1	09/16/2019 18:28	WG1346556
Chloroform	0.000744	B J	0.000470	0.00283	1	09/16/2019 18:28	WG1346556
Chloromethane	U		0.00157	0.0142	1	09/16/2019 18:28	WG1346556
2-Chlorotoluene	U		0.00104	0.00283	1	09/16/2019 18:28	WG1346556
4-Chlorotoluene	U		0.00128	0.00566	1	09/16/2019 18:28	WG1346556
1,2-Dibromo-3-Chloropropane	U		0.00578	0.0283	1	09/16/2019 18:28	WG1346556
1,2-Dibromoethane	U		0.000595	0.00283	1	09/16/2019 18:28	WG1346556
Dibromomethane	U		0.00113	0.00566	1	09/16/2019 18:28	WG1346556
1,2-Dichlorobenzene	U		0.00164	0.00566	1	09/16/2019 18:28	WG1346556
1,3-Dichlorobenzene	U		0.00193	0.00566	1	09/16/2019 18:28	WG1346556
1,4-Dichlorobenzene	U		0.00223	0.00566	1	09/16/2019 18:28	WG1346556
Dichlorodifluoromethane	U		0.000926	0.00283	1	09/16/2019 18:28	WG1346556
1,1-Dichloroethane	U		0.000651	0.00283	1	09/16/2019 18:28	WG1346556
1,2-Dichloroethane	U		0.000538	0.00283	1	09/16/2019 18:28	WG1346556
1,1-Dichloroethene	U		0.000566	0.00283	1	09/16/2019 18:28	WG1346556
cis-1,2-Dichloroethene	U		0.000781	0.00283	1	09/16/2019 18:28	WG1346556
trans-1,2-Dichloroethene	U		0.00162	0.00566	1	09/16/2019 18:28	WG1346556
1,2-Dichloropropane	U		0.00144	0.00566	1	09/16/2019 18:28	WG1346556
1,1-Dichloropropene	U		0.000793	0.00283	1	09/16/2019 18:28	WG1346556
1,3-Dichloropropane	U		0.00198	0.00566	1	09/16/2019 18:28	WG1346556
cis-1,3-Dichloropropene	U		0.000768	0.00283	1	09/16/2019 18:28	WG1346556
trans-1,3-Dichloropropene	U		0.00173	0.00566	1	09/16/2019 18:28	WG1346556
trans-1,4-Dichloro-2-butene	U		0.00159	0.00566	1	09/16/2019 18:28	WG1346556
2,2-Dichloropropane	U		0.000898	0.00283	1	09/16/2019 18:28	WG1346556
Di-isopropyl ether	U		0.000396	0.00113	1	09/16/2019 18:28	WG1346556
Ethylbenzene	U		0.000600	0.00283	1	09/16/2019 18:28	WG1346556
Hexachloro-1,3-butadiene	U		0.0144	0.0283	1	09/16/2019 18:28	WG1346556
2-Hexanone	U		0.0113	0.0283	1	09/16/2019 18:28	WG1346556
n-Hexane	0.00267	J	0.00120	0.00566	1	09/16/2019 18:28	WG1346556
Iodomethane	U		0.00685	0.0142	1	09/16/2019 18:28	WG1346556
Isopropylbenzene	U		0.000977	0.00283	1	09/16/2019 18:28	WG1346556
p-Isopropyltoluene	U		0.00264	0.00566	1	09/16/2019 18:28	WG1346556
2-Butanone (MEK)	U		0.0142	0.0283	1	09/16/2019 18:28	WG1346556
Methylene Chloride	0.0121	B J	0.00752	0.0283	1	09/16/2019 18:28	WG1346556
4-Methyl-2-pentanone (MIBK)	U		0.0113	0.0283	1	09/16/2019 18:28	WG1346556

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

Analyte	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	09/16/2019 18:28	WG1346556
Naphthalene	U		0.00353	0.0142	1	09/16/2019 18:28	WG1346556
n-Propylbenzene	U		0.00134	0.00566	1	09/16/2019 18:28	WG1346556
Styrene	U		0.00309	0.0142	1	09/16/2019 18:28	WG1346556
1,1,1,2-Tetrachloroethane	U		0.000566	0.00283	1	09/16/2019 18:28	WG1346556
1,1,2,2-Tetrachloroethane	U		0.000442	0.00283	1	09/16/2019 18:28	WG1346556
1,1,2-Trichlorotrifluoroethane	U		0.000764	0.00283	1	09/16/2019 18:28	WG1346556
Tetrachloroethene	U		0.000793	0.00283	1	09/16/2019 18:28	WG1346556
Toluene	0.00464	J	0.00142	0.00566	1	09/16/2019 18:28	WG1346556
1,2,3-Trichlorobenzene	U		0.000708	0.00283	1	09/16/2019 18:28	WG1346556
1,2,4-Trichlorobenzene	U		0.00546	0.0142	1	09/16/2019 18:28	WG1346556
1,1,1-Trichloroethane	U		0.000311	0.00283	1	09/16/2019 18:28	WG1346556
1,1,2-Trichloroethane	U		0.00100	0.00283	1	09/16/2019 18:28	WG1346556
Trichloroethene	U		0.000453	0.00113	1	09/16/2019 18:28	WG1346556
Trichlorofluoromethane	U		0.000566	0.00283	1	09/16/2019 18:28	WG1346556
1,2,3-Trichloropropane	U		0.00578	0.0142	1	09/16/2019 18:28	WG1346556
1,2,4-Trimethylbenzene	U		0.00131	0.00566	1	09/16/2019 18:28	WG1346556
1,2,3-Trimethylbenzene	U		0.00130	0.00566	1	09/16/2019 18:28	WG1346556
1,3,5-Trimethylbenzene	U		0.00122	0.00566	1	09/16/2019 18:28	WG1346556
Vinyl acetate	U		0.00399	0.0142	1	09/16/2019 18:28	WG1346556
Vinyl chloride	U		0.000774	0.00283	1	09/16/2019 18:28	WG1346556
Xylenes, Total	U		0.00541	0.00736	1	09/16/2019 18:28	WG1346556
(S) Toluene-d8	*105*			*75.0-131*		*09/16/2019 18:28*	WG1346556
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*09/16/2019 18:28*	WG1346556
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/16/2019 18:28*	WG1346556

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.9		1	09/18/2019 12:38	WG1347340

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0250	J	0.0154	0.0281	1	09/16/2019 18:48	WG1346556
Acrylonitrile	U		0.00214	0.0141	1	09/16/2019 18:48	WG1346556
Benzene	U		0.000450	0.00112	1	09/16/2019 18:48	WG1346556
Bromobenzene	U		0.00118	0.0141	1	09/16/2019 18:48	WG1346556
Bromodichloromethane	U		0.000886	0.00281	1	09/16/2019 18:48	WG1346556
Bromochloromethane	U		0.00127	0.00562	1	09/16/2019 18:48	WG1346556
Bromoform	U		0.00672	0.0281	1	09/16/2019 18:48	WG1346556
Bromomethane	U		0.00416	0.0141	1	09/16/2019 18:48	WG1346556
n-Butylbenzene	U		0.00432	0.0141	1	09/16/2019 18:48	WG1346556
sec-Butylbenzene	U		0.00284	0.0141	1	09/16/2019 18:48	WG1346556
tert-Butylbenzene	U		0.00174	0.00562	1	09/16/2019 18:48	WG1346556
Carbon disulfide	U		0.00456	0.0141	1	09/16/2019 18:48	WG1346556
Carbon tetrachloride	U		0.00121	0.00562	1	09/16/2019 18:48	WG1346556
Chlorobenzene	U		0.000644	0.00281	1	09/16/2019 18:48	WG1346556
Chlorodibromomethane	U		0.000506	0.00281	1	09/16/2019 18:48	WG1346556
Chloroethane	U		0.00121	0.00562	1	09/16/2019 18:48	WG1346556
Chloroform	U		0.000467	0.00281	1	09/16/2019 18:48	WG1346556
Chloromethane	U		0.00156	0.0141	1	09/16/2019 18:48	WG1346556
2-Chlorotoluene	U		0.00103	0.00281	1	09/16/2019 18:48	WG1346556
4-Chlorotoluene	U		0.00127	0.00562	1	09/16/2019 18:48	WG1346556
1,2-Dibromo-3-Chloropropane	U		0.00573	0.0281	1	09/16/2019 18:48	WG1346556
1,2-Dibromoethane	U		0.000590	0.00281	1	09/16/2019 18:48	WG1346556
Dibromomethane	U		0.00112	0.00562	1	09/16/2019 18:48	WG1346556
1,2-Dichlorobenzene	U		0.00163	0.00562	1	09/16/2019 18:48	WG1346556
1,3-Dichlorobenzene	U		0.00191	0.00562	1	09/16/2019 18:48	WG1346556
1,4-Dichlorobenzene	U		0.00221	0.00562	1	09/16/2019 18:48	WG1346556
Dichlorodifluoromethane	U		0.000920	0.00281	1	09/16/2019 18:48	WG1346556
1,1-Dichloroethane	U		0.000646	0.00281	1	09/16/2019 18:48	WG1346556
1,2-Dichloroethane	U		0.000534	0.00281	1	09/16/2019 18:48	WG1346556
1,1-Dichloroethene	U		0.000562	0.00281	1	09/16/2019 18:48	WG1346556
cis-1,2-Dichloroethene	U		0.000776	0.00281	1	09/16/2019 18:48	WG1346556
trans-1,2-Dichloroethene	U		0.00161	0.00562	1	09/16/2019 18:48	WG1346556
1,2-Dichloropropane	U		0.00143	0.00562	1	09/16/2019 18:48	WG1346556
1,1-Dichloropropene	U		0.000787	0.00281	1	09/16/2019 18:48	WG1346556
1,3-Dichloropropane	U		0.00197	0.00562	1	09/16/2019 18:48	WG1346556
cis-1,3-Dichloropropene	U		0.000762	0.00281	1	09/16/2019 18:48	WG1346556
trans-1,3-Dichloropropene	U		0.00172	0.00562	1	09/16/2019 18:48	WG1346556
trans-1,4-Dichloro-2-butene	U		0.00157	0.00562	1	09/16/2019 18:48	WG1346556
2,2-Dichloropropane	U		0.000892	0.00281	1	09/16/2019 18:48	WG1346556
Di-isopropyl ether	U		0.000394	0.00112	1	09/16/2019 18:48	WG1346556
Ethylbenzene	U		0.000596	0.00281	1	09/16/2019 18:48	WG1346556
Hexachloro-1,3-butadiene	U		0.0143	0.0281	1	09/16/2019 18:48	WG1346556
2-Hexanone	U		0.0112	0.0281	1	09/16/2019 18:48	WG1346556
n-Hexane	0.00484	J	0.00119	0.00562	1	09/16/2019 18:48	WG1346556
Iodomethane	U		0.00680	0.0141	1	09/16/2019 18:48	WG1346556
Isopropylbenzene	U		0.000970	0.00281	1	09/16/2019 18:48	WG1346556
p-Isopropyltoluene	U		0.00262	0.00562	1	09/16/2019 18:48	WG1346556
2-Butanone (MEK)	U		0.0141	0.0281	1	09/16/2019 18:48	WG1346556
Methylene Chloride	0.0110	B J	0.00747	0.0281	1	09/16/2019 18:48	WG1346556
4-Methyl-2-pentanone (MIBK)	U		0.0112	0.0281	1	09/16/2019 18:48	WG1346556

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000332	0.00112	1	09/16/2019 18:48	WG1346556
Naphthalene	U		0.00351	0.0141	1	09/16/2019 18:48	WG1346556
n-Propylbenzene	U		0.00133	0.00562	1	09/16/2019 18:48	WG1346556
Styrene	U		0.00307	0.0141	1	09/16/2019 18:48	WG1346556
1,1,1,2-Tetrachloroethane	U		0.000562	0.00281	1	09/16/2019 18:48	WG1346556
1,1,2,2-Tetrachloroethane	U		0.000438	0.00281	1	09/16/2019 18:48	WG1346556
1,1,2-Trichlorotrifluoroethane	U		0.000759	0.00281	1	09/16/2019 18:48	WG1346556
Tetrachloroethene	U		0.000787	0.00281	1	09/16/2019 18:48	WG1346556
Toluene	0.00596		0.00141	0.00562	1	09/16/2019 18:48	WG1346556
1,2,3-Trichlorobenzene	U		0.000703	0.00281	1	09/16/2019 18:48	WG1346556
1,2,4-Trichlorobenzene	U		0.00542	0.0141	1	09/16/2019 18:48	WG1346556
1,1,1-Trichloroethane	U		0.000309	0.00281	1	09/16/2019 18:48	WG1346556
1,1,2-Trichloroethane	U		0.000993	0.00281	1	09/16/2019 18:48	WG1346556
Trichloroethene	U		0.000450	0.00112	1	09/16/2019 18:48	WG1346556
Trichlorofluoromethane	0.00162	J	0.000562	0.00281	1	09/16/2019 18:48	WG1346556
1,2,3-Trichloropropane	U		0.00573	0.0141	1	09/16/2019 18:48	WG1346556
1,2,4-Trimethylbenzene	U		0.00130	0.00562	1	09/16/2019 18:48	WG1346556
1,2,3-Trimethylbenzene	U		0.00129	0.00562	1	09/16/2019 18:48	WG1346556
1,3,5-Trimethylbenzene	U		0.00121	0.00562	1	09/16/2019 18:48	WG1346556
Vinyl acetate	U		0.00396	0.0141	1	09/16/2019 18:48	WG1346556
Vinyl chloride	U		0.000768	0.00281	1	09/16/2019 18:48	WG1346556
Xylenes, Total	U		0.00537	0.00731	1	09/16/2019 18:48	WG1346556
(S) Toluene-d8	*104*			*75.0-131*		*09/16/2019 18:48*	WG1346556
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*09/16/2019 18:48*	WG1346556
(S) 1,2-Dichloroethane-d4	*99.7*			*70.0-130*		*09/16/2019 18:48*	WG1346556

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.2		1	09/18/2019 12:38	WG1347340

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0243	J	0.0205	0.0374	1.32	09/16/2019 19:09	WG1346556
Acrylonitrile	U		0.00285	0.0187	1.32	09/16/2019 19:09	WG1346556
Benzene	U		0.000599	0.00150	1.32	09/16/2019 19:09	WG1346556
Bromobenzene	U		0.00158	0.0187	1.32	09/16/2019 19:09	WG1346556
Bromodichloromethane	U		0.00118	0.00374	1.32	09/16/2019 19:09	WG1346556
Bromochloromethane	U		0.00169	0.00748	1.32	09/16/2019 19:09	WG1346556
Bromoform	U		0.00895	0.0374	1.32	09/16/2019 19:09	WG1346556
Bromomethane	U		0.00553	0.0187	1.32	09/16/2019 19:09	WG1346556
n-Butylbenzene	U		0.00575	0.0187	1.32	09/16/2019 19:09	WG1346556
sec-Butylbenzene	U		0.00379	0.0187	1.32	09/16/2019 19:09	WG1346556
tert-Butylbenzene	U		0.00232	0.00748	1.32	09/16/2019 19:09	WG1346556
Carbon disulfide	U		0.00608	0.0187	1.32	09/16/2019 19:09	WG1346556
Carbon tetrachloride	U		0.00161	0.00748	1.32	09/16/2019 19:09	WG1346556
Chlorobenzene	U		0.000857	0.00374	1.32	09/16/2019 19:09	WG1346556
Chlorodibromomethane	U		0.000673	0.00374	1.32	09/16/2019 19:09	WG1346556
Chloroethane	U		0.00161	0.00748	1.32	09/16/2019 19:09	WG1346556
Chloroform	0.00140	B J	0.000621	0.00374	1.32	09/16/2019 19:09	WG1346556
Chloromethane	U		0.00207	0.0187	1.32	09/16/2019 19:09	WG1346556
2-Chlorotoluene	U		0.00137	0.00374	1.32	09/16/2019 19:09	WG1346556
4-Chlorotoluene	U		0.00169	0.00748	1.32	09/16/2019 19:09	WG1346556
1,2-Dibromo-3-Chloropropane	U		0.00763	0.0374	1.32	09/16/2019 19:09	WG1346556
1,2-Dibromoethane	U		0.000786	0.00374	1.32	09/16/2019 19:09	WG1346556
Dibromomethane	U		0.00150	0.00748	1.32	09/16/2019 19:09	WG1346556
1,2-Dichlorobenzene	U		0.00217	0.00748	1.32	09/16/2019 19:09	WG1346556
1,3-Dichlorobenzene	U		0.00254	0.00748	1.32	09/16/2019 19:09	WG1346556
1,4-Dichlorobenzene	U		0.00295	0.00748	1.32	09/16/2019 19:09	WG1346556
Dichlorodifluoromethane	U		0.00122	0.00374	1.32	09/16/2019 19:09	WG1346556
1,1-Dichloroethane	U		0.000861	0.00374	1.32	09/16/2019 19:09	WG1346556
1,2-Dichloroethane	U		0.000711	0.00374	1.32	09/16/2019 19:09	WG1346556
1,1-Dichloroethene	U		0.000748	0.00374	1.32	09/16/2019 19:09	WG1346556
cis-1,2-Dichloroethene	U		0.00103	0.00374	1.32	09/16/2019 19:09	WG1346556
trans-1,2-Dichloroethene	U		0.00214	0.00748	1.32	09/16/2019 19:09	WG1346556
1,2-Dichloropropane	U		0.00190	0.00748	1.32	09/16/2019 19:09	WG1346556
1,1-Dichloropropene	U		0.00105	0.00374	1.32	09/16/2019 19:09	WG1346556
1,3-Dichloropropane	U		0.00262	0.00748	1.32	09/16/2019 19:09	WG1346556
cis-1,3-Dichloropropene	U		0.00101	0.00374	1.32	09/16/2019 19:09	WG1346556
trans-1,3-Dichloropropene	U		0.00229	0.00748	1.32	09/16/2019 19:09	WG1346556
trans-1,4-Dichloro-2-butene	U		0.00210	0.00748	1.32	09/16/2019 19:09	WG1346556
2,2-Dichloropropane	U		0.00119	0.00374	1.32	09/16/2019 19:09	WG1346556
Di-isopropyl ether	U		0.000524	0.00150	1.32	09/16/2019 19:09	WG1346556
Ethylbenzene	U		0.000794	0.00374	1.32	09/16/2019 19:09	WG1346556
Hexachloro-1,3-butadiene	U		0.0190	0.0374	1.32	09/16/2019 19:09	WG1346556
2-Hexanone	U		0.0150	0.0374	1.32	09/16/2019 19:09	WG1346556
n-Hexane	0.00602	J	0.00159	0.00748	1.32	09/16/2019 19:09	WG1346556
Iodomethane	U		0.00906	0.0187	1.32	09/16/2019 19:09	WG1346556
Isopropylbenzene	U		0.00129	0.00374	1.32	09/16/2019 19:09	WG1346556
p-Isopropyltoluene	U		0.00349	0.00748	1.32	09/16/2019 19:09	WG1346556
2-Butanone (MEK)	U		0.0187	0.0374	1.32	09/16/2019 19:09	WG1346556
Methylene Chloride	0.0209	B J	0.00993	0.0374	1.32	09/16/2019 19:09	WG1346556
4-Methyl-2-pentanone (MIBK)	U		0.0150	0.0374	1.32	09/16/2019 19:09	WG1346556

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000441	0.00150	1.32	09/16/2019 19:09	WG1346556
Naphthalene	U		0.00467	0.0187	1.32	09/16/2019 19:09	WG1346556
n-Propylbenzene	U		0.00177	0.00748	1.32	09/16/2019 19:09	WG1346556
Styrene	U		0.00408	0.0187	1.32	09/16/2019 19:09	WG1346556
1,1,1,2-Tetrachloroethane	U		0.000748	0.00374	1.32	09/16/2019 19:09	WG1346556
1,1,2,2-Tetrachloroethane	U		0.000584	0.00374	1.32	09/16/2019 19:09	WG1346556
1,1,2-Trichlorotrifluoroethane	U		0.00101	0.00374	1.32	09/16/2019 19:09	WG1346556
Tetrachloroethene	U		0.00105	0.00374	1.32	09/16/2019 19:09	WG1346556
Toluene	0.0131		0.00187	0.00748	1.32	09/16/2019 19:09	WG1346556
1,2,3-Trichlorobenzene	U		0.000935	0.00374	1.32	09/16/2019 19:09	WG1346556
1,2,4-Trichlorobenzene	U		0.00721	0.0187	1.32	09/16/2019 19:09	WG1346556
1,1,1-Trichloroethane	U		0.000412	0.00374	1.32	09/16/2019 19:09	WG1346556
1,1,2-Trichloroethane	U		0.00132	0.00374	1.32	09/16/2019 19:09	WG1346556
Trichloroethene	U		0.000599	0.00150	1.32	09/16/2019 19:09	WG1346556
Trichlorofluoromethane	0.00346	J	0.000748	0.00374	1.32	09/16/2019 19:09	WG1346556
1,2,3-Trichloropropane	U		0.00763	0.0187	1.32	09/16/2019 19:09	WG1346556
1,2,4-Trimethylbenzene	U		0.00173	0.00748	1.32	09/16/2019 19:09	WG1346556
1,2,3-Trimethylbenzene	U		0.00172	0.00748	1.32	09/16/2019 19:09	WG1346556
1,3,5-Trimethylbenzene	U		0.00161	0.00748	1.32	09/16/2019 19:09	WG1346556
Vinyl acetate	U		0.00527	0.0187	1.32	09/16/2019 19:09	WG1346556
Vinyl chloride	U		0.00102	0.00374	1.32	09/16/2019 19:09	WG1346556
Xylenes, Total	U		0.00715	0.00973	1.32	09/16/2019 19:09	WG1346556
(S) Toluene-d8	*109*			*75.0-131*		*09/16/2019 19:09*	WG1346556
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/16/2019 19:09*	WG1346556
(S) 1,2-Dichloroethane-d4	*94.6*			*70.0-130*		*09/16/2019 19:09*	WG1346556

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.4		1	09/18/2019 12:38	WG1347340

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0392		0.0155	0.0283	1	09/16/2019 19:29	WG1346556
Acrylonitrile	U		0.00215	0.0141	1	09/16/2019 19:29	WG1346556
Benzene	U		0.000453	0.00113	1	09/16/2019 19:29	WG1346556
Bromobenzene	U		0.00119	0.0141	1	09/16/2019 19:29	WG1346556
Bromodichloromethane	U		0.000892	0.00283	1	09/16/2019 19:29	WG1346556
Bromochloromethane	U		0.00128	0.00566	1	09/16/2019 19:29	WG1346556
Bromoform	U		0.00677	0.0283	1	09/16/2019 19:29	WG1346556
Bromomethane	U		0.00419	0.0141	1	09/16/2019 19:29	WG1346556
n-Butylbenzene	U		0.00435	0.0141	1	09/16/2019 19:29	WG1346556
sec-Butylbenzene	U		0.00286	0.0141	1	09/16/2019 19:29	WG1346556
tert-Butylbenzene	U		0.00175	0.00566	1	09/16/2019 19:29	WG1346556
Carbon disulfide	U		0.00459	0.0141	1	09/16/2019 19:29	WG1346556
Carbon tetrachloride	U		0.00122	0.00566	1	09/16/2019 19:29	WG1346556
Chlorobenzene	U		0.000648	0.00283	1	09/16/2019 19:29	WG1346556
Chlorodibromomethane	U		0.000509	0.00283	1	09/16/2019 19:29	WG1346556
Chloroethane	U		0.00122	0.00566	1	09/16/2019 19:29	WG1346556
Chloroform	0.00103	B J	0.000470	0.00283	1	09/16/2019 19:29	WG1346556
Chloromethane	U		0.00157	0.0141	1	09/16/2019 19:29	WG1346556
2-Chlorotoluene	U		0.00104	0.00283	1	09/16/2019 19:29	WG1346556
4-Chlorotoluene	U		0.00128	0.00566	1	09/16/2019 19:29	WG1346556
1,2-Dibromo-3-Chloropropane	U		0.00577	0.0283	1	09/16/2019 19:29	WG1346556
1,2-Dibromoethane	U		0.000594	0.00283	1	09/16/2019 19:29	WG1346556
Dibromomethane	U		0.00113	0.00566	1	09/16/2019 19:29	WG1346556
1,2-Dichlorobenzene	U		0.00164	0.00566	1	09/16/2019 19:29	WG1346556
1,3-Dichlorobenzene	U		0.00192	0.00566	1	09/16/2019 19:29	WG1346556
1,4-Dichlorobenzene	U		0.00223	0.00566	1	09/16/2019 19:29	WG1346556
Dichlorodifluoromethane	U		0.000926	0.00283	1	09/16/2019 19:29	WG1346556
1,1-Dichloroethane	U		0.000651	0.00283	1	09/16/2019 19:29	WG1346556
1,2-Dichloroethane	U		0.000538	0.00283	1	09/16/2019 19:29	WG1346556
1,1-Dichloroethene	U		0.000566	0.00283	1	09/16/2019 19:29	WG1346556
cis-1,2-Dichloroethene	U		0.000781	0.00283	1	09/16/2019 19:29	WG1346556
trans-1,2-Dichloroethene	U		0.00162	0.00566	1	09/16/2019 19:29	WG1346556
1,2-Dichloropropane	U		0.00144	0.00566	1	09/16/2019 19:29	WG1346556
1,1-Dichloropropene	U		0.000792	0.00283	1	09/16/2019 19:29	WG1346556
1,3-Dichloropropane	U		0.00198	0.00566	1	09/16/2019 19:29	WG1346556
cis-1,3-Dichloropropene	U		0.000767	0.00283	1	09/16/2019 19:29	WG1346556
trans-1,3-Dichloropropene	U		0.00173	0.00566	1	09/16/2019 19:29	WG1346556
trans-1,4-Dichloro-2-butene	U		0.00158	0.00566	1	09/16/2019 19:29	WG1346556
2,2-Dichloropropane	U		0.000897	0.00283	1	09/16/2019 19:29	WG1346556
Di-isopropyl ether	U		0.000396	0.00113	1	09/16/2019 19:29	WG1346556
Ethylbenzene	U		0.000600	0.00283	1	09/16/2019 19:29	WG1346556
Hexachloro-1,3-butadiene	U		0.0144	0.0283	1	09/16/2019 19:29	WG1346556
2-Hexanone	U		0.0113	0.0283	1	09/16/2019 19:29	WG1346556
n-Hexane	0.00431	J	0.00120	0.00566	1	09/16/2019 19:29	WG1346556
Iodomethane	U		0.00685	0.0141	1	09/16/2019 19:29	WG1346556
Isopropylbenzene	U		0.000977	0.00283	1	09/16/2019 19:29	WG1346556
p-Isopropyltoluene	U		0.00264	0.00566	1	09/16/2019 19:29	WG1346556
2-Butanone (MEK)	U		0.0141	0.0283	1	09/16/2019 19:29	WG1346556
Methylene Chloride	0.0125	B J	0.00751	0.0283	1	09/16/2019 19:29	WG1346556
4-Methyl-2-pentanone (MIBK)	U		0.0113	0.0283	1	09/16/2019 19:29	WG1346556

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

Analyte	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	09/16/2019 19:29	WG1346556
Naphthalene	U		0.00353	0.0141	1	09/16/2019 19:29	WG1346556
n-Propylbenzene	U		0.00134	0.00566	1	09/16/2019 19:29	WG1346556
Styrene	U		0.00309	0.0141	1	09/16/2019 19:29	WG1346556
1,1,1,2-Tetrachloroethane	U		0.000566	0.00283	1	09/16/2019 19:29	WG1346556
1,1,2,2-Tetrachloroethane	U		0.000441	0.00283	1	09/16/2019 19:29	WG1346556
1,1,2-Trichlorotrifluoroethane	U		0.000764	0.00283	1	09/16/2019 19:29	WG1346556
Tetrachloroethene	U		0.000792	0.00283	1	09/16/2019 19:29	WG1346556
Toluene	0.00694		0.00141	0.00566	1	09/16/2019 19:29	WG1346556
1,2,3-Trichlorobenzene	U		0.000707	0.00283	1	09/16/2019 19:29	WG1346556
1,2,4-Trichlorobenzene	U		0.00545	0.0141	1	09/16/2019 19:29	WG1346556
1,1,1-Trichloroethane	U		0.000311	0.00283	1	09/16/2019 19:29	WG1346556
1,1,2-Trichloroethane	U		0.000999	0.00283	1	09/16/2019 19:29	WG1346556
Trichloroethene	U		0.000453	0.00113	1	09/16/2019 19:29	WG1346556
Trichlorofluoromethane	0.00167	J	0.000566	0.00283	1	09/16/2019 19:29	WG1346556
1,2,3-Trichloropropane	U		0.00577	0.0141	1	09/16/2019 19:29	WG1346556
1,2,4-Trimethylbenzene	U		0.00131	0.00566	1	09/16/2019 19:29	WG1346556
1,2,3-Trimethylbenzene	U		0.00130	0.00566	1	09/16/2019 19:29	WG1346556
1,3,5-Trimethylbenzene	U		0.00122	0.00566	1	09/16/2019 19:29	WG1346556
Vinyl acetate	U		0.00398	0.0141	1	09/16/2019 19:29	WG1346556
Vinyl chloride	U		0.000773	0.00283	1	09/16/2019 19:29	WG1346556
Xylenes, Total	U		0.00541	0.00736	1	09/16/2019 19:29	WG1346556
(S) Toluene-d8	*104*			*75.0-131*		*09/16/2019 19:29*	WG1346556
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*09/16/2019 19:29*	WG1346556
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*09/16/2019 19:29*	WG1346556

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.4		1	09/18/2019 12:38	WG1347340

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0474		0.0162	0.0296	1	09/16/2019 19:50	WG1346556
Acrylonitrile	U		0.00225	0.0148	1	09/16/2019 19:50	WG1346556
Benzene	U		0.000474	0.00118	1	09/16/2019 19:50	WG1346556
Bromobenzene	U		0.00124	0.0148	1	09/16/2019 19:50	WG1346556
Bromodichloromethane	U		0.000933	0.00296	1	09/16/2019 19:50	WG1346556
Bromochloromethane	U		0.00134	0.00592	1	09/16/2019 19:50	WG1346556
Bromoform	U		0.00708	0.0296	1	09/16/2019 19:50	WG1346556
Bromomethane	U		0.00438	0.0148	1	09/16/2019 19:50	WG1346556
n-Butylbenzene	U		0.00455	0.0148	1	09/16/2019 19:50	WG1346556
sec-Butylbenzene	U		0.00300	0.0148	1	09/16/2019 19:50	WG1346556
tert-Butylbenzene	U		0.00184	0.00592	1	09/16/2019 19:50	WG1346556
Carbon disulfide	U		0.00481	0.0148	1	09/16/2019 19:50	WG1346556
Carbon tetrachloride	U		0.00128	0.00592	1	09/16/2019 19:50	WG1346556
Chlorobenzene	U		0.000679	0.00296	1	09/16/2019 19:50	WG1346556
Chlorodibromomethane	U		0.000533	0.00296	1	09/16/2019 19:50	WG1346556
Chloroethane	U		0.00128	0.00592	1	09/16/2019 19:50	WG1346556
Chloroform	0.000801	B J	0.000491	0.00296	1	09/16/2019 19:50	WG1346556
Chloromethane	U		0.00165	0.0148	1	09/16/2019 19:50	WG1346556
2-Chlorotoluene	U		0.00109	0.00296	1	09/16/2019 19:50	WG1346556
4-Chlorotoluene	U		0.00134	0.00592	1	09/16/2019 19:50	WG1346556
1,2-Dibromo-3-Chloropropane	U		0.00604	0.0296	1	09/16/2019 19:50	WG1346556
1,2-Dibromoethane	U		0.000622	0.00296	1	09/16/2019 19:50	WG1346556
Dibromomethane	U		0.00118	0.00592	1	09/16/2019 19:50	WG1346556
1,2-Dichlorobenzene	U		0.00172	0.00592	1	09/16/2019 19:50	WG1346556
1,3-Dichlorobenzene	U		0.00201	0.00592	1	09/16/2019 19:50	WG1346556
1,4-Dichlorobenzene	U		0.00233	0.00592	1	09/16/2019 19:50	WG1346556
Dichlorodifluoromethane	U		0.000969	0.00296	1	09/16/2019 19:50	WG1346556
1,1-Dichloroethane	U		0.000681	0.00296	1	09/16/2019 19:50	WG1346556
1,2-Dichloroethane	U		0.000563	0.00296	1	09/16/2019 19:50	WG1346556
1,1-Dichloroethene	U		0.000592	0.00296	1	09/16/2019 19:50	WG1346556
cis-1,2-Dichloroethene	U		0.000817	0.00296	1	09/16/2019 19:50	WG1346556
trans-1,2-Dichloroethene	U		0.00169	0.00592	1	09/16/2019 19:50	WG1346556
1,2-Dichloropropane	U		0.00150	0.00592	1	09/16/2019 19:50	WG1346556
1,1-Dichloropropene	U		0.000829	0.00296	1	09/16/2019 19:50	WG1346556
1,3-Dichloropropane	U		0.00207	0.00592	1	09/16/2019 19:50	WG1346556
cis-1,3-Dichloropropene	U		0.000803	0.00296	1	09/16/2019 19:50	WG1346556
trans-1,3-Dichloropropene	U		0.00181	0.00592	1	09/16/2019 19:50	WG1346556
trans-1,4-Dichloro-2-butene	U		0.00166	0.00592	1	09/16/2019 19:50	WG1346556
2,2-Dichloropropane	U		0.000939	0.00296	1	09/16/2019 19:50	WG1346556
Di-isopropyl ether	U		0.000415	0.00118	1	09/16/2019 19:50	WG1346556
Ethylbenzene	U		0.000628	0.00296	1	09/16/2019 19:50	WG1346556
Hexachloro-1,3-butadiene	U		0.0150	0.0296	1	09/16/2019 19:50	WG1346556
2-Hexanone	U		0.0118	0.0296	1	09/16/2019 19:50	WG1346556
n-Hexane	0.00357	J	0.00126	0.00592	1	09/16/2019 19:50	WG1346556
Iodomethane	U		0.00717	0.0148	1	09/16/2019 19:50	WG1346556
Isopropylbenzene	U		0.00102	0.00296	1	09/16/2019 19:50	WG1346556
p-Isopropyltoluene	U		0.00276	0.00592	1	09/16/2019 19:50	WG1346556
2-Butanone (MEK)	U		0.0148	0.0296	1	09/16/2019 19:50	WG1346556
Methylene Chloride	0.0137	B J	0.00786	0.0296	1	09/16/2019 19:50	WG1346556
4-Methyl-2-pentanone (MIBK)	U		0.0118	0.0296	1	09/16/2019 19:50	WG1346556

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000349	0.00118	1	09/16/2019 19:50	WG1346556
Naphthalene	U		0.00370	0.0148	1	09/16/2019 19:50	WG1346556
n-Propylbenzene	U		0.00140	0.00592	1	09/16/2019 19:50	WG1346556
Styrene	U		0.00323	0.0148	1	09/16/2019 19:50	WG1346556
1,1,1,2-Tetrachloroethane	U		0.000592	0.00296	1	09/16/2019 19:50	WG1346556
1,1,2,2-Tetrachloroethane	U		0.000462	0.00296	1	09/16/2019 19:50	WG1346556
1,1,2-Trichlorotrifluoroethane	U		0.000799	0.00296	1	09/16/2019 19:50	WG1346556
Tetrachloroethene	U		0.000829	0.00296	1	09/16/2019 19:50	WG1346556
Toluene	0.00811		0.00148	0.00592	1	09/16/2019 19:50	WG1346556
1,2,3-Trichlorobenzene	U		0.000740	0.00296	1	09/16/2019 19:50	WG1346556
1,2,4-Trichlorobenzene	U		0.00571	0.0148	1	09/16/2019 19:50	WG1346556
1,1,1-Trichloroethane	U		0.000326	0.00296	1	09/16/2019 19:50	WG1346556
1,1,2-Trichloroethane	U		0.00105	0.00296	1	09/16/2019 19:50	WG1346556
Trichloroethene	U		0.000474	0.00118	1	09/16/2019 19:50	WG1346556
Trichlorofluoromethane	U		0.000592	0.00296	1	09/16/2019 19:50	WG1346556
1,2,3-Trichloropropane	U		0.00604	0.0148	1	09/16/2019 19:50	WG1346556
1,2,4-Trimethylbenzene	U		0.00137	0.00592	1	09/16/2019 19:50	WG1346556
1,2,3-Trimethylbenzene	U		0.00136	0.00592	1	09/16/2019 19:50	WG1346556
1,3,5-Trimethylbenzene	U		0.00128	0.00592	1	09/16/2019 19:50	WG1346556
Vinyl acetate	U		0.00417	0.0148	1	09/16/2019 19:50	WG1346556
Vinyl chloride	U		0.000809	0.00296	1	09/16/2019 19:50	WG1346556
Xylenes, Total	U		0.00566	0.00770	1	09/16/2019 19:50	WG1346556
(S) Toluene-d8	*105*			*75.0-131*		*09/16/2019 19:50*	WG1346556
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*09/16/2019 19:50*	WG1346556
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/16/2019 19:50*	WG1346556

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	1.35	J J0	1.05	25.0	1	09/17/2019 00:16	WG1346797
Acrylonitrile	U		0.873	5.00	1	09/17/2019 00:16	WG1346797
Benzene	U		0.0896	0.500	1	09/17/2019 00:16	WG1346797
Bromobenzene	U		0.133	0.500	1	09/17/2019 00:16	WG1346797
Bromodichloromethane	U		0.0800	0.500	1	09/17/2019 00:16	WG1346797
Bromochloromethane	U		0.145	0.500	1	09/17/2019 00:16	WG1346797
Bromoform	U		0.186	0.500	1	09/17/2019 00:16	WG1346797
Bromomethane	U		0.157	2.50	1	09/17/2019 00:16	WG1346797
n-Butylbenzene	U		0.143	0.500	1	09/17/2019 00:16	WG1346797
sec-Butylbenzene	U		0.134	0.500	1	09/17/2019 00:16	WG1346797
tert-Butylbenzene	U		0.183	0.500	1	09/17/2019 00:16	WG1346797
Carbon disulfide	U		0.101	0.500	1	09/17/2019 00:16	WG1346797
Carbon tetrachloride	U		0.159	0.500	1	09/17/2019 00:16	WG1346797
Chlorobenzene	U		0.140	0.500	1	09/17/2019 00:16	WG1346797
Chlorodibromomethane	U		0.128	0.500	1	09/17/2019 00:16	WG1346797
Chloroethane	U		0.141	2.50	1	09/17/2019 00:16	WG1346797
Chloroform	U		0.0860	0.500	1	09/17/2019 00:16	WG1346797
Chloromethane	U		0.153	1.25	1	09/17/2019 00:16	WG1346797
2-Chlorotoluene	U		0.111	0.500	1	09/17/2019 00:16	WG1346797
4-Chlorotoluene	U		0.0972	0.500	1	09/17/2019 00:16	WG1346797
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/17/2019 00:16	WG1346797
1,2-Dibromoethane	U		0.193	0.500	1	09/17/2019 00:16	WG1346797
Dibromomethane	U		0.117	0.500	1	09/17/2019 00:16	WG1346797
1,2-Dichlorobenzene	U		0.101	0.500	1	09/17/2019 00:16	WG1346797
1,3-Dichlorobenzene	U		0.130	0.500	1	09/17/2019 00:16	WG1346797
1,4-Dichlorobenzene	U		0.121	0.500	1	09/17/2019 00:16	WG1346797
Dichlorodifluoromethane	U		0.127	2.50	1	09/17/2019 00:16	WG1346797
1,1-Dichloroethane	U		0.114	0.500	1	09/17/2019 00:16	WG1346797
1,2-Dichloroethane	U		0.108	0.500	1	09/17/2019 00:16	WG1346797
1,1-Dichloroethene	U		0.188	0.500	1	09/17/2019 00:16	WG1346797
cis-1,2-Dichloroethene	U		0.0933	0.500	1	09/17/2019 00:16	WG1346797
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/17/2019 00:16	WG1346797
1,2-Dichloropropane	U		0.190	0.500	1	09/17/2019 00:16	WG1346797
1,1-Dichloropropene	U		0.128	0.500	1	09/17/2019 00:16	WG1346797
1,3-Dichloropropane	U		0.147	1.00	1	09/17/2019 00:16	WG1346797
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/17/2019 00:16	WG1346797
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/17/2019 00:16	WG1346797
trans-1,4-Dichloro-2-butene	U	J0	0.257	5.00	1	09/17/2019 00:16	WG1346797
2,2-Dichloropropane	U		0.0929	0.500	1	09/17/2019 00:16	WG1346797
Di-isopropyl ether	U		0.0924	0.500	1	09/17/2019 00:16	WG1346797
Ethylbenzene	U		0.158	0.500	1	09/17/2019 00:16	WG1346797
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/17/2019 00:16	WG1346797
2-Hexanone	U		0.757	5.00	1	09/17/2019 00:16	WG1346797
n-Hexane	U		0.305	5.00	1	09/17/2019 00:16	WG1346797
Iodomethane	U		0.377	10.0	1	09/17/2019 00:16	WG1346797
Isopropylbenzene	U		0.126	0.500	1	09/17/2019 00:16	WG1346797
p-Isopropyltoluene	U		0.138	0.500	1	09/17/2019 00:16	WG1346797
2-Butanone (MEK)	U		1.28	5.00	1	09/17/2019 00:16	WG1346797
Methylene Chloride	U		1.07	2.50	1	09/17/2019 00:16	WG1346797
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/17/2019 00:16	WG1346797
Methyl tert-butyl ether	U		0.102	0.500	1	09/17/2019 00:16	WG1346797
Naphthalene	U		0.174	2.50	1	09/17/2019 00:16	WG1346797
n-Propylbenzene	U		0.162	0.500	1	09/17/2019 00:16	WG1346797
Styrene	U		0.117	0.500	1	09/17/2019 00:16	WG1346797
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/17/2019 00:16	WG1346797
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/17/2019 00:16	WG1346797

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/17/2019 00:16	WG1346797
Tetrachloroethene	U		0.199	0.500	1	09/17/2019 00:16	WG1346797
Toluene	U		0.412	0.500	1	09/17/2019 00:16	WG1346797
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/17/2019 00:16	WG1346797
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/17/2019 00:16	WG1346797
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/17/2019 00:16	WG1346797
1,1,2-Trichloroethane	U		0.186	0.500	1	09/17/2019 00:16	WG1346797
Trichloroethene	U		0.153	0.500	1	09/17/2019 00:16	WG1346797
Trichlorofluoromethane	U		0.130	2.50	1	09/17/2019 00:16	WG1346797
1,2,3-Trichloropropane	U		0.247	2.50	1	09/17/2019 00:16	WG1346797
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/17/2019 00:16	WG1346797
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/17/2019 00:16	WG1346797
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/17/2019 00:16	WG1346797
Vinyl acetate	U		0.645	5.00	1	09/17/2019 00:16	WG1346797
Vinyl chloride	U		0.118	0.500	1	09/17/2019 00:16	WG1346797
Xylenes, Total	U		0.316	1.50	1	09/17/2019 00:16	WG1346797
(S) Toluene-d8	*104*			*80.0-120*		*09/17/2019 00:16*	WG1346797
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*09/17/2019 00:16*	WG1346797
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*09/17/2019 00:16*	WG1346797

Method Blank (MB)

(MB) R3452038-1 09/17/19 16:33

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

L1138731-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1138731-06 09/17/19 16:33 • (DUP) R3452038-3 09/17/19 16:33

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	83.5	83.3	1	0.207		10

Laboratory Control Sample (LCS)

(LCS) R3452038-2 09/17/19 16:33

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) R3452244-1 09/18/19 12:38

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

L1138733-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1138733-09 09/18/19 12:38 • (DUP) R3452244-3 09/18/19 12:38

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	89.9	90.0	1	0.0277		10

Laboratory Control Sample (LCS)

(LCS) R3452244-2 09/18/19 12:38

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) R3451419-2 09/16/19 11:50

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0137	0.0250
Acrylonitrile	U		0.00190	0.0125
Benzene	U		0.000400	0.00100
Bromobenzene	U		0.00105	0.0125
Bromodichloromethane	U		0.000788	0.00250
Bromochloromethane	U		0.00113	0.00500
Bromoform	U		0.00598	0.0250
Bromomethane	U		0.00370	0.0125
n-Butylbenzene	U		0.00384	0.0125
sec-Butylbenzene	U		0.00253	0.0125
tert-Butylbenzene	U		0.00155	0.00500
Carbon disulfide	U		0.00406	0.0125
Carbon tetrachloride	U		0.00108	0.00500
Chlorobenzene	U		0.000573	0.00250
Chlorodibromomethane	U		0.000450	0.00250
Chloroethane	U		0.00108	0.00500
Chloroform	0.000791	J	0.000415	0.00250
Chloromethane	U		0.00139	0.0125
2-Chlorotoluene	U		0.000920	0.00250
4-Chlorotoluene	U		0.00113	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00510	0.0250
1,2-Dibromoethane	U		0.000525	0.00250
Dibromomethane	U		0.00100	0.00500
1,2-Dichlorobenzene	U		0.00145	0.00500
1,3-Dichlorobenzene	U		0.00170	0.00500
1,4-Dichlorobenzene	U		0.00197	0.00500
trans-1,4-Dichloro-2-butene	U		0.00140	0.00500
Dichlorodifluoromethane	U		0.000818	0.00250
1,1-Dichloroethane	U		0.000575	0.00250
1,2-Dichloroethane	U		0.000475	0.00250
1,1-Dichloroethene	U		0.000500	0.00250
cis-1,2-Dichloroethene	U		0.000690	0.00250
trans-1,2-Dichloroethene	U		0.00143	0.00500
1,2-Dichloropropane	U		0.00127	0.00500
1,1-Dichloropropene	U		0.000700	0.00250
1,3-Dichloropropane	U		0.00175	0.00500
cis-1,3-Dichloropropene	U		0.000678	0.00250
trans-1,3-Dichloropropene	U		0.00153	0.00500
2,2-Dichloropropane	U		0.000793	0.00250
Di-isopropyl ether	U		0.000350	0.00100

Method Blank (MB)

(MB) R3451419-2 09/16/19 11:50

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000530	0.00250
Hexachloro-1,3-butadiene	U		0.0127	0.0250
n-Hexane	U		0.00106	0.00500
2-Hexanone	U		0.0100	0.0250
Iodomethane	U		0.00605	0.0125
Isopropylbenzene	U		0.000863	0.00250
p-Isopropyltoluene	U		0.00233	0.00500
2-Butanone (MEK)	U		0.0125	0.0250
Methylene Chloride	0.00744	J	0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.0100	0.0250
Methyl tert-butyl ether	U		0.000295	0.00100
Naphthalene	U		0.00312	0.0125
n-Propylbenzene	U		0.00118	0.00500
Styrene	U		0.00273	0.0125
1,1,1,2-Tetrachloroethane	U		0.000500	0.00250
1,1,2,2-Tetrachloroethane	U		0.000390	0.00250
Tetrachloroethene	U		0.000700	0.00250
Toluene	U		0.00125	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000675	0.00250
1,2,3-Trichlorobenzene	U		0.000625	0.00250
1,2,4-Trichlorobenzene	U		0.00482	0.0125
1,1,1-Trichloroethane	U		0.000275	0.00250
1,1,2-Trichloroethane	U		0.000883	0.00250
Trichloroethene	U		0.000400	0.00100
Trichlorofluoromethane	U		0.000500	0.00250
1,2,3-Trichloropropane	U		0.00510	0.0125
1,2,3-Trimethylbenzene	U		0.00115	0.00500
1,2,4-Trimethylbenzene	U		0.00116	0.00500
1,3,5-Trimethylbenzene	U		0.00108	0.00500
Vinyl acetate	U		0.00352	0.0125
Vinyl chloride	U		0.000683	0.00250
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	*107*			*75.0-131*
(S) 4-Bromofluorobenzene	*103*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*92.4*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3451419-1 09/16/19 10:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.465	74.3	10.0-160	
Acrylonitrile	0.625	0.549	87.8	45.0-153	
Benzene	0.125	0.135	108	70.0-123	
Bromobenzene	0.125	0.112	89.2	73.0-121	
Bromodichloromethane	0.125	0.130	104	73.0-121	
Bromochloromethane	0.125	0.149	119	77.0-128	
Bromoform	0.125	0.113	90.6	64.0-132	
Bromomethane	0.125	0.135	108	56.0-147	
n-Butylbenzene	0.125	0.108	86.3	68.0-135	
sec-Butylbenzene	0.125	0.125	99.6	74.0-130	
tert-Butylbenzene	0.125	0.117	94.0	75.0-127	
Carbon disulfide	0.125	0.102	81.5	56.0-133	
Carbon tetrachloride	0.125	0.120	95.7	66.0-128	
Chlorobenzene	0.125	0.108	86.3	76.0-128	
Chlorodibromomethane	0.125	0.132	106	74.0-127	
Chloroethane	0.125	0.130	104	61.0-134	
Chloroform	0.125	0.109	86.9	72.0-123	
Chloromethane	0.125	0.130	104	51.0-138	
2-Chlorotoluene	0.125	0.104	83.1	75.0-124	
4-Chlorotoluene	0.125	0.114	90.9	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.101	81.1	59.0-130	
1,2-Dibromoethane	0.125	0.120	95.9	74.0-128	
Dibromomethane	0.125	0.117	93.6	75.0-122	
1,2-Dichlorobenzene	0.125	0.117	93.4	76.0-124	
1,3-Dichlorobenzene	0.125	0.117	93.6	76.0-125	
1,4-Dichlorobenzene	0.125	0.111	88.7	77.0-121	
trans-1,4-Dichloro-2-butene	0.125	0.107	85.3	45.0-143	
Dichlorodifluoromethane	0.125	0.142	113	43.0-156	
1,1-Dichloroethane	0.125	0.130	104	70.0-127	
1,2-Dichloroethane	0.125	0.128	102	65.0-131	
1,1-Dichloroethene	0.125	0.132	105	65.0-131	
cis-1,2-Dichloroethene	0.125	0.118	94.8	73.0-125	
trans-1,2-Dichloroethene	0.125	0.126	101	71.0-125	
1,2-Dichloropropane	0.125	0.127	102	74.0-125	
1,1-Dichloropropene	0.125	0.132	106	73.0-125	
1,3-Dichloropropane	0.125	0.119	95.3	80.0-125	
cis-1,3-Dichloropropene	0.125	0.121	96.7	76.0-127	
trans-1,3-Dichloropropene	0.125	0.122	97.7	73.0-127	
2,2-Dichloropropane	0.125	0.126	101	59.0-135	
Di-isopropyl ether	0.125	0.107	85.3	60.0-136	

Laboratory Control Sample (LCS)

(LCS) R3451419-1 09/16/19 10:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.125	0.136	109	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.119	95.5	57.0-150	
2-Hexanone	0.625	0.528	84.5	54.0-147	
n-Hexane	0.125	0.102	81.7	55.0-137	
Iodomethane	0.625	0.652	104	74.0-134	
Isopropylbenzene	0.125	0.111	88.5	72.0-127	
p-Isopropyltoluene	0.125	0.121	97.1	72.0-133	
2-Butanone (MEK)	0.625	0.591	94.6	30.0-160	
Methylene Chloride	0.125	0.121	96.9	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.530	84.8	56.0-143	
Methyl tert-butyl ether	0.125	0.137	110	66.0-132	
Naphthalene	0.125	0.112	89.4	59.0-130	
n-Propylbenzene	0.125	0.105	84.0	74.0-126	
Styrene	0.125	0.126	101	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.133	106	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.0944	75.5	68.0-128	
Tetrachloroethene	0.125	0.139	111	70.0-136	
Toluene	0.125	0.125	99.7	75.0-121	
1,1,2-Trichlorotrifluoroethane	0.125	0.121	97.1	61.0-139	
1,2,3-Trichlorobenzene	0.125	0.109	87.1	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.130	104	62.0-137	
1,1,1-Trichloroethane	0.125	0.130	104	69.0-126	
1,1,2-Trichloroethane	0.125	0.132	105	78.0-123	
Trichloroethene	0.125	0.129	103	76.0-126	
Trichlorofluoromethane	0.125	0.122	98.0	61.0-142	
1,2,3-Trichloropropane	0.125	0.104	83.5	67.0-129	
1,2,3-Trimethylbenzene	0.125	0.115	92.3	74.0-124	
1,2,4-Trimethylbenzene	0.125	0.123	98.7	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.112	89.9	73.0-127	
Vinyl acetate	0.625	0.691	111	43.0-159	
Vinyl chloride	0.125	0.142	114	63.0-134	
Xylenes, Total	0.375	0.383	102	72.0-127	
(S) Toluene-d8			*106*	*75.0-131*	
(S) 4-Bromofluorobenzene			*106*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*102*	*70.0-130*	

L1138441-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1138441-02 09/16/19 14:01 • (MS) R3451419-3 09/16/19 20:31 • (MSD) R3451419-4 09/16/19 20:51

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	ND	0.174	0.323	27.9	51.7	1	10.0-160		J3	59.8	40
Acrylonitrile	0.625	ND	0.321	0.442	51.4	70.7	1	10.0-160			31.6	40
Benzene	0.125	ND	0.0695	0.0435	55.6	34.8	1	10.0-149		J3	46.1	37
Bromobenzene	0.125	ND	0.0894	0.0662	71.5	53.0	1	10.0-156			29.8	38
Bromodichloromethane	0.125	ND	0.0938	0.0707	75.0	56.6	1	10.0-143			28.0	37
Bromochloromethane	0.125	ND	0.0909	0.0782	72.7	62.6	1	10.0-155			14.9	33
Bromoform	0.125	ND	0.0818	0.0848	65.5	67.9	1	10.0-146			3.61	36
Bromomethane	0.125	ND	0.0354	0.0201	28.3	16.1	1	10.0-149		J3	55.0	38
n-Butylbenzene	0.125	ND	0.0826	0.0535	66.1	42.8	1	10.0-160		J3	42.8	40
sec-Butylbenzene	0.125	ND	0.0973	0.0571	77.8	45.7	1	10.0-159		J3	52.1	39
tert-Butylbenzene	0.125	ND	0.0917	0.0533	73.4	42.6	1	10.0-156		J3	53.0	39
Carbon disulfide	0.125	ND	0.0187	0.00962	14.9	7.69	1	10.0-145		J3 J6	64.0	39
Carbon tetrachloride	0.125	ND	0.0810	0.0390	64.8	31.2	1	10.0-145		J3	70.0	37
Chlorobenzene	0.125	ND	0.0743	0.0539	59.4	43.1	1	10.0-152			31.8	39
Chlorodibromomethane	0.125	ND	0.0986	0.0857	78.9	68.6	1	10.0-146			14.0	37
Chloroethane	0.125	ND	0.0439	0.0208	35.1	16.7	1	10.0-146		J3	71.3	40
Chloroform	0.125	ND	0.0749	0.0542	59.1	42.5	1	10.0-146			32.1	37
Chloromethane	0.125	ND	0.0493	0.0239	39.4	19.1	1	10.0-159		J3	69.4	37
2-Chlorotoluene	0.125	ND	0.0820	0.0573	65.6	45.8	1	10.0-159			35.5	38
4-Chlorotoluene	0.125	ND	0.0845	0.0594	67.6	47.5	1	10.0-155			34.9	39
1,2-Dibromo-3-Chloropropane	0.125	ND	0.0693	0.0784	55.4	62.7	1	10.0-151			12.3	39
1,2-Dibromoethane	0.125	ND	0.0879	0.0844	70.3	67.5	1	10.0-148			4.10	34
Dibromomethane	0.125	ND	0.0757	0.0725	60.6	58.0	1	10.0-147			4.25	35
1,2-Dichlorobenzene	0.125	ND	0.0929	0.0790	74.3	63.2	1	10.0-155			16.1	37
1,3-Dichlorobenzene	0.125	ND	0.0896	0.0708	71.7	56.7	1	10.0-153			23.4	38
1,4-Dichlorobenzene	0.125	ND	0.0840	0.0678	67.2	54.3	1	10.0-151			21.3	38
trans-1,4-Dichloro-2-butene	0.125	ND	0.0875	0.0928	70.0	74.2	1	10.0-152			5.91	36
Dichlorodifluoromethane	0.125	ND	0.0751	0.0309	60.1	24.7	1	10.0-160		J3	83.3	35
1,1-Dichloroethane	0.125	ND	0.0788	0.0494	63.1	39.5	1	10.0-147		J3	45.9	37
1,2-Dichloroethane	0.125	ND	0.0821	0.0755	65.7	60.4	1	10.0-148			8.41	35
1,1-Dichloroethene	0.125	ND	0.0643	0.0296	51.5	23.6	1	10.0-155		J3	74.1	37
cis-1,2-Dichloroethene	0.125	ND	0.0710	0.0492	56.8	39.4	1	10.0-149			36.2	37
trans-1,2-Dichloroethene	0.125	ND	0.0546	0.0310	43.7	24.8	1	10.0-150		J3	55.1	37
1,2-Dichloropropane	0.125	ND	0.0874	0.0612	69.9	48.9	1	10.0-148			35.3	37
1,1-Dichloropropene	0.125	ND	0.0616	0.0338	49.3	27.1	1	10.0-153		J3	58.2	35
1,3-Dichloropropane	0.125	ND	0.0859	0.0755	68.7	60.4	1	10.0-154			12.9	35
cis-1,3-Dichloropropene	0.125	ND	0.0852	0.0681	68.2	54.5	1	10.0-151			22.4	37
trans-1,3-Dichloropropene	0.125	ND	0.0868	0.0746	69.4	59.7	1	10.0-148			15.1	37
2,2-Dichloropropane	0.125	ND	0.0696	0.0393	55.7	31.5	1	10.0-138		J3	55.6	36
Di-isopropyl ether	0.125	ND	0.0855	0.0653	68.4	52.2	1	10.0-147			26.8	36

L1138441-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1138441-02 09/16/19 14:01 • (MS) R3451419-3 09/16/19 20:31 • (MSD) R3451419-4 09/16/19 20:51

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.125	ND	0.0784	0.0477	62.7	38.1	1	10.0-160		J3	48.7	38
Hexachloro-1,3-butadiene	0.125	ND	0.0870	0.0607	69.6	48.5	1	10.0-160			35.7	40
2-Hexanone	0.625	ND	0.355	0.435	56.9	69.6	1	10.0-160			20.2	36
n-Hexane	0.125	ND	0.0181	0.00997	14.5	7.97	1	10.0-157		J3 J6	57.9	37
Iodomethane	0.625	ND	0.302	0.188	48.3	30.1	1	10.0-160		J3	46.3	38
Isopropylbenzene	0.125	ND	0.0752	0.0462	60.2	37.0	1	10.0-155		J3	47.8	38
p-Isopropyltoluene	0.125	ND	0.0919	0.0562	73.5	45.0	1	10.0-160		J3	48.2	40
2-Butanone (MEK)	0.625	ND	0.314	0.372	50.3	59.6	1	10.0-160			16.9	40
Methylene Chloride	0.125	0.0429	0.0887	0.0687	36.7	20.6	1	10.0-141			25.5	37
4-Methyl-2-pentanone (MIBK)	0.625	ND	0.377	0.438	60.3	70.0	1	10.0-160			14.9	35
Methyl tert-butyl ether	0.125	ND	0.0873	0.0868	69.8	69.4	1	11.0-147			0.546	35
Naphthalene	0.125	ND	0.0811	0.0884	64.9	70.7	1	10.0-160			8.62	36
n-Propylbenzene	0.125	ND	0.0771	0.0454	61.7	36.3	1	10.0-158		J3	51.9	38
Styrene	0.125	ND	0.0864	0.0647	69.1	51.7	1	10.0-160			28.8	40
1,1,1,2-Tetrachloroethane	0.125	ND	0.0921	0.0723	73.7	57.8	1	10.0-149			24.1	39
1,1,2,2-Tetrachloroethane	0.125	ND	0.0697	0.0743	55.7	59.4	1	10.0-160			6.41	35
Tetrachloroethene	0.125	ND	0.0748	0.0401	59.8	32.1	1	10.0-156		J3	60.3	39
Toluene	0.125	ND	0.0693	0.0442	55.4	35.4	1	10.0-156		J3	44.1	38
1,1,2-Trichlorotrifluoroethane	0.125	ND	0.0760	0.0302	60.8	24.1	1	10.0-160		J3	86.4	36
1,2,3-Trichlorobenzene	0.125	ND	0.0801	0.0810	64.1	64.8	1	10.0-160			1.12	40
1,2,4-Trichlorobenzene	0.125	ND	0.0953	0.0903	76.2	72.2	1	10.0-160			5.43	40
1,1,1-Trichloroethane	0.125	ND	0.0862	0.0481	69.0	38.5	1	10.0-144		J3	56.7	35
1,1,2-Trichloroethane	0.125	ND	0.109	0.0945	86.8	75.6	1	10.0-160			13.8	35
Trichloroethene	0.125	ND	0.0828	0.0548	66.2	43.9	1	10.0-156		J3	40.6	38
Trichlorofluoromethane	0.125	ND	0.0684	0.0309	54.7	24.7	1	10.0-160		J3	75.6	40
1,2,3-Trichloropropane	0.125	ND	0.0896	0.0870	71.7	69.6	1	10.0-156			2.95	35
1,2,3-Trimethylbenzene	0.125	ND	0.0882	0.0678	70.5	54.3	1	10.0-160			26.1	36
1,2,4-Trimethylbenzene	0.125	ND	0.0849	0.0564	66.8	44.0	1	10.0-160		J3	40.4	36
1,3,5-Trimethylbenzene	0.125	ND	0.0826	0.0533	66.0	42.6	1	10.0-160		J3	43.1	38
Vinyl acetate	0.625	ND	0.0181	0.0173	2.89	2.76	1	10.0-128	J6	J6	4.59	40
Vinyl chloride	0.125	ND	0.0441	0.0203	35.3	16.2	1	10.0-160		J3	73.9	37
Xylenes, Total	0.375	ND	0.226	0.154	60.1	41.0	1	10.0-160		J3	37.9	38
(S) Toluene-d8					*107*	*105*		*75.0-131*				
(S) 4-Bromofluorobenzene					*103*	*103*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*100*	*104*		*70.0-130*				

Method Blank (MB)

(MB) R3452035-2 09/16/19 21:59

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) R3452035-2 09/16/19 21:59

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	0.506	J	0.157	1.00
2-Hexanone	U		0.757	5.00
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	0.194	J	0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*103*			*80.0-120*
(S) 4-Bromofluorobenzene	*99.3*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3452035-1 09/16/19 21:18

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	125	163	131	19.0-160	
Acrylonitrile	125	131	105	55.0-149	
Benzene	25.0	24.6	98.4	70.0-123	
Bromobenzene	25.0	26.2	105	73.0-121	
Bromodichloromethane	25.0	27.0	108	75.0-120	
Bromochloromethane	25.0	26.4	106	76.0-122	
Bromoform	25.0	27.0	108	68.0-132	
Bromomethane	25.0	24.6	98.4	10.0-160	
n-Butylbenzene	25.0	23.6	94.5	73.0-125	
sec-Butylbenzene	25.0	25.0	99.9	75.0-125	
tert-Butylbenzene	25.0	26.4	106	76.0-124	
Carbon disulfide	25.0	23.4	93.7	61.0-128	
Carbon tetrachloride	25.0	26.6	106	68.0-126	
Chlorobenzene	25.0	24.8	99.1	80.0-121	
Chlorodibromomethane	25.0	25.7	103	77.0-125	
Chloroethane	25.0	25.2	101	47.0-150	
Chloroform	25.0	25.9	103	73.0-120	
Chloromethane	25.0	21.6	86.2	41.0-142	
2-Chlorotoluene	25.0	26.7	107	76.0-123	
4-Chlorotoluene	25.0	26.9	108	75.0-122	
1,2-Dibromo-3-Chloropropane	25.0	23.0	91.9	58.0-134	
1,2-Dibromoethane	25.0	26.3	105	80.0-122	
Dibromomethane	25.0	26.1	105	80.0-120	
1,2-Dichlorobenzene	25.0	23.2	93.0	79.0-121	
1,3-Dichlorobenzene	25.0	23.8	95.4	79.0-120	
1,4-Dichlorobenzene	25.0	23.8	95.4	79.0-120	
Dichlorodifluoromethane	25.0	28.1	112	51.0-149	
1,1-Dichloroethane	25.0	24.2	96.7	70.0-126	
1,2-Dichloroethane	25.0	26.5	106	70.0-128	
1,1-Dichloroethene	25.0	25.4	102	71.0-124	
cis-1,2-Dichloroethene	25.0	25.1	100	73.0-120	
trans-1,2-Dichloroethene	25.0	25.4	102	73.0-120	
1,2-Dichloropropane	25.0	24.4	97.8	77.0-125	
1,1-Dichloropropene	25.0	25.6	102	74.0-126	
1,3-Dichloropropane	25.0	25.6	103	80.0-120	
cis-1,3-Dichloropropene	25.0	26.1	104	80.0-123	
trans-1,3-Dichloropropene	25.0	25.9	104	78.0-124	
trans-1,4-Dichloro-2-butene	25.0	13.5	54.0	33.0-144	
2,2-Dichloropropane	25.0	26.0	104	58.0-130	
Di-isopropyl ether	25.0	25.4	102	58.0-138	

Laboratory Control Sample (LCS)

(LCS) R3452035-1 09/16/19 21:18

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	25.0	25.1	100	79.0-123	
Hexachloro-1,3-butadiene	25.0	22.7	90.7	54.0-138	
2-Hexanone	125	127	102	67.0-149	
n-Hexane	25.0	23.1	92.4	57.0-133	
Iodomethane	125	129	103	33.0-147	
Isopropylbenzene	25.0	25.5	102	76.0-127	
p-Isopropyltoluene	25.0	24.7	98.9	76.0-125	
2-Butanone (MEK)	125	141	113	44.0-160	
Methylene Chloride	25.0	24.3	97.1	67.0-120	
4-Methyl-2-pentanone (MIBK)	125	129	103	68.0-142	
Methyl tert-butyl ether	25.0	27.2	109	68.0-125	
Naphthalene	25.0	20.6	82.4	54.0-135	
n-Propylbenzene	25.0	27.2	109	77.0-124	
Styrene	25.0	25.6	103	73.0-130	
1,1,1,2-Tetrachloroethane	25.0	25.0	100	75.0-125	
1,1,2,2-Tetrachloroethane	25.0	27.1	109	65.0-130	
1,1,2-Trichlorotrifluoroethane	25.0	26.3	105	69.0-132	
Tetrachloroethene	25.0	25.8	103	72.0-132	
Toluene	25.0	23.9	95.6	79.0-120	
1,2,3-Trichlorobenzene	25.0	22.1	88.2	50.0-138	
1,2,4-Trichlorobenzene	25.0	22.9	91.6	57.0-137	
1,1,1-Trichloroethane	25.0	27.0	108	73.0-124	
1,1,2-Trichloroethane	25.0	25.8	103	80.0-120	
Trichloroethene	25.0	26.1	104	78.0-124	
Trichlorofluoromethane	25.0	27.2	109	59.0-147	
1,2,3-Trichloropropane	25.0	30.3	121	73.0-130	
1,2,4-Trimethylbenzene	25.0	26.6	106	76.0-121	
1,2,3-Trimethylbenzene	25.0	25.3	101	77.0-120	
1,3,5-Trimethylbenzene	25.0	27.2	109	76.0-122	
Vinyl acetate	125	117	93.4	11.0-160	
Vinyl chloride	25.0	24.5	97.8	67.0-131	
Xylenes, Total	75.0	75.4	101	79.0-123	
(S) Toluene-d8			*101*	*80.0-120*	
(S) 4-Bromofluorobenzene			*102*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*114*	*70.0-130*	

L1138627-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1138627-01 09/17/19 00:36 • (MS) R3452035-3 09/17/19 06:42 • (MSD) R3452035-4 09/17/19 07:03

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 %
Acetone	125	U	131	136	105	109	1	10.0-160			4.13	35
Acrylonitrile	125	U	117	122	93.9	97.4	1	21.0-160			3.68	32
Benzene	25.0	U	20.7	22.6	82.7	90.2	1	17.0-158			8.72	27
Bromobenzene	25.0		23.9	25.4	95.4	101	1	30.0-149			6.17	28
Bromodichloromethane	25.0	U	23.6	25.0	94.3	100	1	31.0-150			6.02	27
Bromochloromethane	25.0	U	22.9	24.6	91.7	98.4	1	38.0-142			7.07	26
Bromoform	25.0	U	24.4	25.9	97.5	104	1	29.0-150			6.25	29
Bromomethane	25.0	U	20.3	22.2	81.2	89.0	1	10.0-160			9.13	38
n-Butylbenzene	25.0		19.8	21.9	79.2	87.7	1	31.0-150			10.2	30
sec-Butylbenzene	25.0		22.3	24.4	89.4	97.5	1	33.0-155			8.69	29
tert-Butylbenzene	25.0		23.9	26.3	95.8	105	1	34.0-153			9.32	28
Carbon disulfide	25.0	U	17.6	19.6	70.4	78.5	1	10.0-156			11.0	28
Carbon tetrachloride	25.0	U	22.4	26.1	89.7	105	1	23.0-159			15.4	28
Chlorobenzene	25.0	U	21.7	23.6	86.8	94.2	1	33.0-152			8.18	27
Chlorodibromomethane	25.0	U	22.8	24.6	91.2	98.5	1	37.0-149			7.72	27
Chloroethane	25.0	U	18.9	21.5	75.5	86.1	1	10.0-160			13.1	30
Chloroform	25.0	U	22.3	24.6	89.2	98.4	1	29.0-154			9.81	28
Chloromethane	25.0	U	16.4	17.5	65.6	69.9	1	10.0-160			6.28	29
2-Chlorotoluene	25.0		24.5	26.5	98.0	106	1	32.0-153			7.97	28
4-Chlorotoluene	25.0		24.5	26.1	98.2	104	1	32.0-150			6.20	28
1,2-Dibromo-3-Chloropropane	25.0	U	21.5	21.4	86.1	85.8	1	22.0-151			0.426	34
1,2-Dibromoethane	25.0	U	23.2	24.9	92.9	99.5	1	34.0-147			6.82	27
Dibromomethane	25.0	U	23.0	24.6	91.9	98.3	1	30.0-151			6.81	27
1,2-Dichlorobenzene	25.0	U	20.4	21.2	81.8	85.0	1	34.0-149			3.86	28
1,3-Dichlorobenzene	25.0		20.6	21.8	82.4	87.3	1	36.0-146			5.75	27
1,4-Dichlorobenzene	25.0	U	21.1	22.4	84.6	89.6	1	35.0-142			5.78	27
Dichlorodifluoromethane	25.0	U	21.7	24.5	86.6	98.0	1	10.0-160			12.3	29
1,1-Dichloroethane	25.0	U	20.9	22.9	83.8	91.8	1	25.0-158			9.08	27
1,2-Dichloroethane	25.0	U	23.5	25.2	93.9	101	1	29.0-151			6.94	27
1,1-Dichloroethene	25.0	U	20.5	23.6	82.0	94.4	1	11.0-160			14.1	29
cis-1,2-Dichloroethene	25.0	U	20.9	23.3	83.8	93.0	1	10.0-160			10.5	27
trans-1,2-Dichloroethene	25.0	U	21.3	23.8	85.0	95.2	1	17.0-153			11.3	27
1,2-Dichloropropane	25.0	U	21.0	22.5	83.8	90.1	1	30.0-156			7.19	27
1,1-Dichloropropene	25.0	U	21.4	23.9	85.6	95.6	1	25.0-158			11.1	27
1,3-Dichloropropane	25.0	U	23.0	24.9	91.9	99.5	1	38.0-147			7.93	27
cis-1,3-Dichloropropene	25.0	U	21.6	23.5	86.4	94.0	1	34.0-149			8.41	28
trans-1,3-Dichloropropene	25.0	U	22.8	24.6	91.2	98.5	1	32.0-149			7.70	28
trans-1,4-Dichloro-2-butene	25.0	U	11.5	12.6	46.0	50.4	1	10.0-157			9.01	37
2,2-Dichloropropane	25.0	U	22.8	25.7	91.4	103	1	24.0-152			11.7	29
Di-isopropyl ether	25.0		21.7	23.1	87.0	92.4	1	21.0-160			6.02	28

L1138627-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1138627-01 09/17/19 00:36 • (MS) R3452035-3 09/17/19 06:42 • (MSD) R3452035-4 09/17/19 07:03

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 %
Ethylbenzene	25.0	U	21.1	23.7	84.4	95.0	1	30.0-155			11.8	27
Hexachloro-1,3-butadiene	25.0		18.3	21.3	73.3	85.0	1	20.0-154			14.8	34
2-Hexanone	125	U	115	121	91.8	96.8	1	21.0-160			5.29	29
n-Hexane	25.0		18.9	20.3	75.8	81.4	1	10.0-153			7.16	28
Iodomethane	125	U	106	118	84.5	94.2	1	10.0-160			10.9	40
Isopropylbenzene	25.0		21.7	24.6	86.7	98.3	1	28.0-157			12.6	27
p-Isopropyltoluene	25.0		21.9	23.6	87.5	94.3	1	30.0-154			7.47	29
2-Butanone (MEK)	125	U	123	126	98.3	101	1	10.0-160			2.33	32
Methylene Chloride	25.0	U	20.9	22.8	83.5	91.2	1	23.0-144			8.83	28
4-Methyl-2-pentanone (MIBK)	125	U	118	124	94.2	98.8	1	29.0-160			4.83	29
Methyl tert-butyl ether	25.0		24.6	26.1	98.6	105	1	28.0-150			5.82	29
Naphthalene	25.0		17.1	19.1	68.3	76.5	1	12.0-156			11.4	35
n-Propylbenzene	25.0		24.1	26.1	96.5	104	1	31.0-154			7.77	28
Styrene	25.0	U	22.2	24.6	88.7	98.2	1	33.0-155			10.2	28
1,1,1,2-Tetrachloroethane	25.0	U	23.2	25.2	92.8	101	1	36.0-151			8.43	29
1,1,2,2-Tetrachloroethane	25.0	U	27.4	27.7	110	111	1	33.0-150			1.05	28
1,1,2-Trichlorotrifluoroethane	25.0		23.4	26.5	93.8	106	1	23.0-160			12.2	30
Tetrachloroethene	25.0	U	21.0	23.6	83.9	94.2	1	10.0-160			11.6	27
Toluene	25.0	U	20.1	22.9	80.3	91.8	1	26.0-154			13.4	28
1,2,3-Trichlorobenzene	25.0		18.0	20.0	72.2	79.9	1	17.0-150			10.1	36
1,2,4-Trichlorobenzene	25.0		19.2	21.1	76.8	84.3	1	24.0-150			9.30	33
1,1,1-Trichloroethane	25.0	U	22.8	26.1	91.3	104	1	23.0-160			13.3	28
1,1,2-Trichloroethane	25.0	U	23.7	25.0	94.8	99.9	1	35.0-147			5.20	27
Trichloroethene	25.0	U	21.4	24.2	85.7	96.8	1	10.0-160			12.2	25
Trichlorofluoromethane	25.0	U	23.8	26.8	95.1	107	1	17.0-160			12.0	31
1,2,3-Trichloropropane	25.0	U	29.4	29.7	117	119	1	34.0-151			1.28	29
1,2,4-Trimethylbenzene	25.0		23.6	25.3	94.2	101	1	26.0-154			7.05	27
1,2,3-Trimethylbenzene	25.0		21.8	23.3	87.0	93.1	1	32.0-149			6.80	28
1,3,5-Trimethylbenzene	25.0		24.3	26.6	97.3	106	1	28.0-153			8.81	27
Vinyl acetate	125	U	118	122	94.8	97.7	1	12.0-160			3.01	31
Vinyl chloride	25.0	U	19.7	21.8	78.7	87.3	1	10.0-160			10.4	27
Xylenes, Total	75.0	U	65.3	72.2	87.1	96.3	1	29.0-154			10.0	28
(S) Toluene-d8					*101*	*103*		*80.0-120*				
(S) 4-Bromofluorobenzene					*100*	*101*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*109*	*113*		*70.0-130*				

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

Guide to Reading and Understanding Your Laboratory Report

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

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

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

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

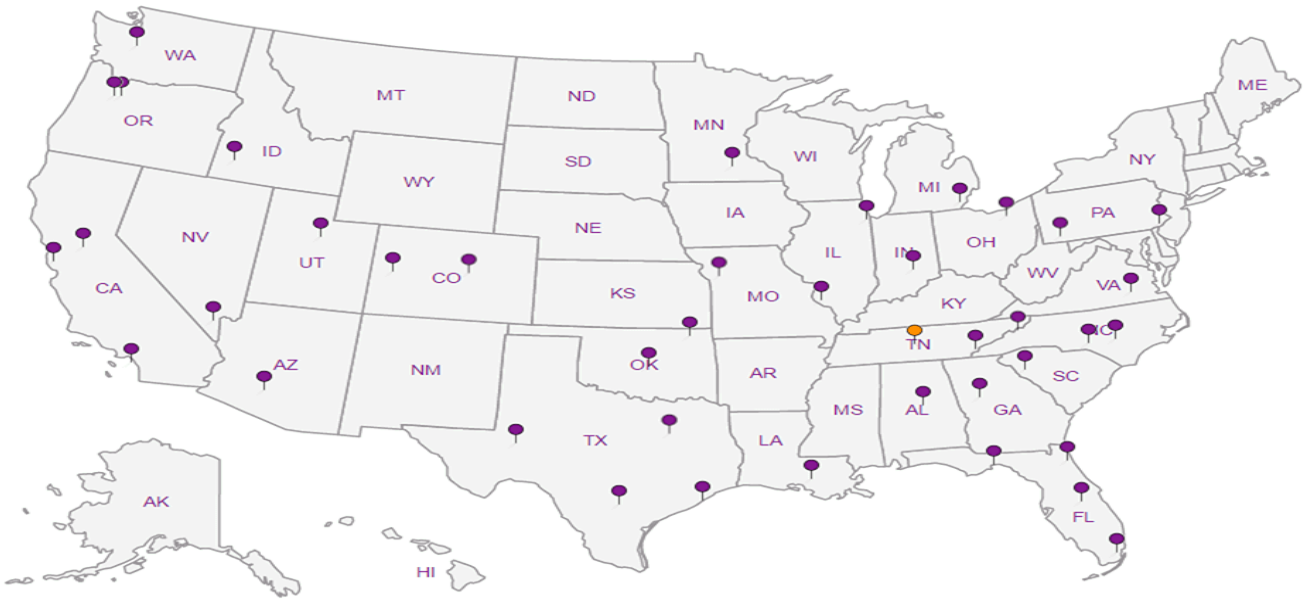
Third Party Federal Accreditations

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

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

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

Project Description: 700 DEXTER - OFFSITE RI

City/State Collected: SEATTLE WA

Please Circle: PT MT CT ET

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

Client Project # 1443.001.02.510

Lab Project # PESENVSWA-ALP

Collected by (print): H.W. SMALL

Site/Facility ID # AMERICAN LINEN 700 DEXTER

P.O. #

Collected by (signature): H.W. Small

Immediately Packed on Ice N ___ Y ✓

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

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

Pace Analytical® National Center for Testing & Innovation

1138723

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

SDG # ~~H38927~~

B088

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

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs 8260C 40mlAmb/MeOH5ml/Syr	dry weight 2ozClr-NoPres	Remarks	Sample # (lab only)
MW-316-5	G	SS	5	9/9/19	1100	2	X	X		-01
MW-316-10		SS	10		1110	2				-02
MW-316-15		SS	15		1115	2				-03
MW-316-20		SS	20		1120	2				-04
MW-316-25		SS	25		1145	2				-05
MW-316-30		SS	30		1145	2				-06
MW-316-35		SS	35		1200	2				-07
MW-316-40		SS	40		~~1215~~ 1215	2				-08
MW-316-45		SS	45		1215	2				-09
MW-316-50		SS	50		1220	2				-10

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking # 1145 2227 2686

Sample Receipt Checklist

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

	Date:	Time:			
Relinquished by: (Signature) H.W. Small	9/10/19	1430	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.8-1-4.7 °C Bottles Received: 3B	If preservation required by Login: Date/Time
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) Hayley M	Date: 9/12/19 Time: 8:45	Hold: Condition: NCF / OK

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

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

Project Description: 700 DEXTER - OFFSITE RI

City/State Collected: SEA, WA

Please Circle: PT MT CT ET

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

Client Project # 1413.001.02.510

Lab Project # PESENVSWA-ALP

Collected by (print): H.W. SMALL

Site/Facility ID # AMERICAN LINEN

P.O. #

Collected by (signature): H.W. Small

Immediately Packed on Ice N ___ Y ✓

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

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs 8260C 40mlAmb/MeOH5ml/Syr	dry weight 2ozClr-NoPres	Remarks	Sample # (lab only)
MW-316-55	GRAB	SS	55	9/9/19		2	X	X		-11
-60		SS	60	"		2				-12
-65		SS	65	9/10/19		2				-13
-70		SS	70	"		2				-14
MW-2001-65'	GRAB	SS	—	—	—	2				-15
TB-091019		~~SS~~ W	—	—	—	1	X			-16
		SS								
		SS								
		SS								
		SS								

Chain of Custody Page ___ of ___

Pace Analytical®
National Center for Testing & Innovation

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

SDG # 113833

Table # 11

Acctnum: PESENVSWA

Template: T154694

Prelogin: P725383

PM: 110 - Brian Ford

PB: 8/01/19 mm

Shipped Via: FedEX Ground

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

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

	Date:	Time:		
Relinquished by : (Signature) H.W. Small	9/10/19	1430	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.8-1=4.7 °C Bottles Received: 30
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Hayley Mc	Date: 9/12/19 Time: 8:45

If preservation required by Login: Date/Time

Hold:

Condition: NCF (OK)

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

September 23, 2019

PES Environmental, Inc.- WA

Sample Delivery Group:	L1138822
Samples Received:	09/12/2019
Project Number:	1413.001.02-S01B
Description:	
Site:	ALS
Report To:	Brian O'Neal/Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford
Project Manager

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



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TRIP BLANK L1138822-01 GW

Collected by: R. McLaughlin | Collected date/time: 07/01/19 00:00 | Received date/time: 09/12/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1345728	1	09/14/19 12:14	09/14/19 12:14	DWR	Mt. Juliet, TN

MW-200I-95 L1138822-02 Solid

Collected by: R. McLaughlin | Collected date/time: 09/10/19 09:10 | Received date/time: 09/12/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1347348	1	09/18/19 12:54	09/18/19 13:06	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1347115	1	09/10/19 09:10	09/17/19 15:20	ACG	Mt. Juliet, TN

MW-326-5 L1138822-03 Solid

Collected by: R. McLaughlin | Collected date/time: 09/09/19 10:45 | Received date/time: 09/12/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1347348	1	09/18/19 12:54	09/18/19 13:06	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1347115	1	09/09/19 10:45	09/17/19 15:40	ACG	Mt. Juliet, TN

MW-326-10 L1138822-04 Solid

Collected by: R. McLaughlin | Collected date/time: 09/09/19 10:50 | Received date/time: 09/12/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1347348	1	09/18/19 12:54	09/18/19 13:06	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1347115	1.18	09/09/19 10:50	09/17/19 16:01	ACG	Mt. Juliet, TN

MW-326-15 L1138822-05 Solid

Collected by: R. McLaughlin | Collected date/time: 09/09/19 11:20 | Received date/time: 09/12/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1347348	1	09/18/19 12:54	09/18/19 13:06	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1347115	1	09/09/19 11:20	09/17/19 16:21	ACG	Mt. Juliet, TN

MW-326-20 L1138822-06 Solid

Collected by: R. McLaughlin | Collected date/time: 09/09/19 11:24 | Received date/time: 09/12/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1347348	1	09/18/19 12:54	09/18/19 13:06	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1347115	1	09/09/19 11:24	09/17/19 16:42	ACG	Mt. Juliet, TN

MW-326-25 L1138822-07 Solid

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1347348	1	09/18/19 12:54	09/18/19 13:06	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1347115	1	09/09/19 12:05	09/17/19 17:02	ACG	Mt. Juliet, TN

MW-326-30 L1138822-08 Solid

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1347348	1	09/18/19 12:54	09/18/19 13:06	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1347115	3.23	09/09/19 12:08	09/17/19 17:23	ACG	Mt. Juliet, TN

MW-326-35 L1138822-09 Solid

Collected by: R. McLaughlin | Collected date/time: 09/09/19 12:35 | Received date/time: 09/12/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1347351	1	09/18/19 13:08	09/18/19 13:22	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1347115	1	09/09/19 12:35	09/17/19 17:43	ACG	Mt. Juliet, TN

MW-326-40 L1138822-10 Solid

Collected by: R. McLaughlin | Collected date/time: 09/09/19 12:40 | Received date/time: 09/12/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1347351	1	09/18/19 13:08	09/18/19 13:22	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1347115	1	09/09/19 12:40	09/17/19 18:04	ACG	Mt. Juliet, TN

MW-326-45 L1138822-11 Solid

Collected by: R. McLaughlin | Collected date/time: 09/09/19 13:00 | Received date/time: 09/12/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1347351	1	09/18/19 13:08	09/18/19 13:22	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1347115	1	09/09/19 13:00	09/17/19 18:24	ACG	Mt. Juliet, TN

MW-326-50 L1138822-12 Solid

Collected by: R. McLaughlin | Collected date/time: 09/09/19 13:05 | Received date/time: 09/12/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1347351	1	09/18/19 13:08	09/18/19 13:22	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1347115	1	09/09/19 13:05	09/17/19 18:44	ACG	Mt. Juliet, TN

MW-326-55 L1138822-13 Solid

Collected by: R. McLaughlin | Collected date/time: 09/09/19 13:50 | Received date/time: 09/12/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1347351	1	09/18/19 13:08	09/18/19 13:22	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1347115	1	09/09/19 13:50	09/17/19 19:05	ACG	Mt. Juliet, TN

MW-326-60 L1138822-14 Solid

Collected by: R. McLaughlin | Collected date/time: 09/09/19 13:52 | Received date/time: 09/12/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1347351	1	09/18/19 13:08	09/18/19 13:22	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1348265	1	09/09/19 13:52	09/19/19 12:37	ACG	Mt. Juliet, TN

MW-326-65 L1138822-15 Solid

Collected by: R. McLaughlin | Collected date/time: 09/09/19 14:18 | Received date/time: 09/12/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1347351	1	09/18/19 13:08	09/18/19 13:22	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1347118	1	09/09/19 14:18	09/18/19 08:22	ACG	Mt. Juliet, TN

MW-326-70 L1138822-16 Solid

Collected by: R. McLaughlin | Collected date/time: 09/09/19 14:20 | Received date/time: 09/12/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1347351	1	09/18/19 13:08	09/18/19 13:22	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1347118	1	09/09/19 14:20	09/18/19 08:42	ACG	Mt. Juliet, TN

MW-326-75 L1138822-17 Solid

Collected by: R. McLaughlin | Collected date/time: 09/09/19 14:25 | Received date/time: 09/12/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1347351	1	09/18/19 13:08	09/18/19 13:22	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1347118	1	09/09/19 14:25	09/18/19 09:02	ACG	Mt. Juliet, TN

MW-326-80 L1138822-18 Solid

Collected by: R. McLaughlin | Collected date/time: 09/09/19 14:28 | Received date/time: 09/12/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1347351	1	09/18/19 13:08	09/18/19 13:22	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1347118	1	09/09/19 14:28	09/18/19 09:26	ACG	Mt. Juliet, TN

MW-326-85 L1138822-19 Solid

Collected by: R. McLaughlin | Collected date/time: 09/10/19 11:00 | Received date/time: 09/12/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1347352	1	09/18/19 13:23	09/18/19 13:36	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1347118	1	09/10/19 11:00	09/18/19 09:47	ACG	Mt. Juliet, TN

MW-326-90 L1138822-20 Solid

Collected by: R. McLaughlin | Collected date/time: 09/10/19 11:05 | Received date/time: 09/12/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1347352	1	09/18/19 13:23	09/18/19 13:36	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1347118	1	09/10/19 11:05	09/18/19 10:07	ACG	Mt. Juliet, TN

MW-326-95 L1138822-21 Solid

Collected by: R. McLaughlin | Collected date/time: 09/10/19 11:07 | Received date/time: 09/12/19 08:45

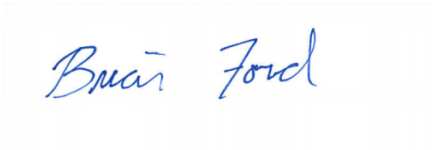
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1347352	1	09/18/19 13:23	09/18/19 13:36	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1347118	1	09/10/19 11:07	09/18/19 10:28	ACG	Mt. Juliet, TN

MW-326-100 L1138822-22 Solid

Collected by: R. McLaughlin
Collected date/time: 09/10/19 11:08
Received date/time: 09/12/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1347352	1	09/18/19 13:23	09/18/19 13:36	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1347118	1	09/10/19 11:08	09/18/19 10:48	ACG	Mt. Juliet, TN

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



Brian Ford
Project Manager

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	2.69	J J0	1.05	25.0	1	09/14/2019 12:14	WG1345728
Acrylonitrile	U		0.873	5.00	1	09/14/2019 12:14	WG1345728
Benzene	U		0.0896	0.500	1	09/14/2019 12:14	WG1345728
Bromobenzene	U		0.133	0.500	1	09/14/2019 12:14	WG1345728
Bromodichloromethane	U		0.0800	0.500	1	09/14/2019 12:14	WG1345728
Bromochloromethane	U		0.145	0.500	1	09/14/2019 12:14	WG1345728
Bromoform	U		0.186	0.500	1	09/14/2019 12:14	WG1345728
Bromomethane	U		0.157	2.50	1	09/14/2019 12:14	WG1345728
n-Butylbenzene	U		0.143	0.500	1	09/14/2019 12:14	WG1345728
sec-Butylbenzene	U		0.134	0.500	1	09/14/2019 12:14	WG1345728
tert-Butylbenzene	U		0.183	0.500	1	09/14/2019 12:14	WG1345728
Carbon disulfide	U		0.101	0.500	1	09/14/2019 12:14	WG1345728
Carbon tetrachloride	U		0.159	0.500	1	09/14/2019 12:14	WG1345728
Chlorobenzene	U		0.140	0.500	1	09/14/2019 12:14	WG1345728
Chlorodibromomethane	U		0.128	0.500	1	09/14/2019 12:14	WG1345728
Chloroethane	U		0.141	2.50	1	09/14/2019 12:14	WG1345728
Chloroform	U		0.0860	0.500	1	09/14/2019 12:14	WG1345728
Chloromethane	U		0.153	1.25	1	09/14/2019 12:14	WG1345728
2-Chlorotoluene	U		0.111	0.500	1	09/14/2019 12:14	WG1345728
4-Chlorotoluene	U		0.0972	0.500	1	09/14/2019 12:14	WG1345728
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/14/2019 12:14	WG1345728
1,2-Dibromoethane	U		0.193	0.500	1	09/14/2019 12:14	WG1345728
Dibromomethane	U		0.117	0.500	1	09/14/2019 12:14	WG1345728
1,2-Dichlorobenzene	U		0.101	0.500	1	09/14/2019 12:14	WG1345728
1,3-Dichlorobenzene	U		0.130	0.500	1	09/14/2019 12:14	WG1345728
1,4-Dichlorobenzene	U		0.121	0.500	1	09/14/2019 12:14	WG1345728
Dichlorodifluoromethane	U		0.127	2.50	1	09/14/2019 12:14	WG1345728
1,1-Dichloroethane	U		0.114	0.500	1	09/14/2019 12:14	WG1345728
1,2-Dichloroethane	U		0.108	0.500	1	09/14/2019 12:14	WG1345728
1,1-Dichloroethene	U		0.188	0.500	1	09/14/2019 12:14	WG1345728
cis-1,2-Dichloroethene	U		0.0933	0.500	1	09/14/2019 12:14	WG1345728
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/14/2019 12:14	WG1345728
1,2-Dichloropropane	U		0.190	0.500	1	09/14/2019 12:14	WG1345728
1,1-Dichloropropene	U		0.128	0.500	1	09/14/2019 12:14	WG1345728
1,3-Dichloropropane	U		0.147	1.00	1	09/14/2019 12:14	WG1345728
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/14/2019 12:14	WG1345728
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/14/2019 12:14	WG1345728
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	09/14/2019 12:14	WG1345728
2,2-Dichloropropane	U		0.0929	0.500	1	09/14/2019 12:14	WG1345728
Di-isopropyl ether	U		0.0924	0.500	1	09/14/2019 12:14	WG1345728
Ethylbenzene	U		0.158	0.500	1	09/14/2019 12:14	WG1345728
Hexachloro-1,3-butadiene	U	J0	0.157	1.00	1	09/14/2019 12:14	WG1345728
2-Hexanone	U		0.757	5.00	1	09/14/2019 12:14	WG1345728
n-Hexane	U		0.305	5.00	1	09/14/2019 12:14	WG1345728
Iodomethane	U		0.377	10.0	1	09/14/2019 12:14	WG1345728
Isopropylbenzene	U		0.126	0.500	1	09/14/2019 12:14	WG1345728
p-Isopropyltoluene	U		0.138	0.500	1	09/14/2019 12:14	WG1345728
2-Butanone (MEK)	U		1.28	5.00	1	09/14/2019 12:14	WG1345728
Methylene Chloride	U		1.07	2.50	1	09/14/2019 12:14	WG1345728
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/14/2019 12:14	WG1345728
Methyl tert-butyl ether	U		0.102	0.500	1	09/14/2019 12:14	WG1345728
Naphthalene	U	J0	0.174	2.50	1	09/14/2019 12:14	WG1345728
n-Propylbenzene	U		0.162	0.500	1	09/14/2019 12:14	WG1345728
Styrene	U		0.117	0.500	1	09/14/2019 12:14	WG1345728
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/14/2019 12:14	WG1345728
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/14/2019 12:14	WG1345728

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/14/2019 12:14	WG1345728
Tetrachloroethene	0.218	B J	0.199	0.500	1	09/14/2019 12:14	WG1345728
Toluene	U		0.412	0.500	1	09/14/2019 12:14	WG1345728
1,2,3-Trichlorobenzene	U	J0	0.164	0.500	1	09/14/2019 12:14	WG1345728
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/14/2019 12:14	WG1345728
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/14/2019 12:14	WG1345728
1,1,2-Trichloroethane	U		0.186	0.500	1	09/14/2019 12:14	WG1345728
Trichloroethene	U		0.153	0.500	1	09/14/2019 12:14	WG1345728
Trichlorofluoromethane	U		0.130	2.50	1	09/14/2019 12:14	WG1345728
1,2,3-Trichloropropane	U		0.247	2.50	1	09/14/2019 12:14	WG1345728
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/14/2019 12:14	WG1345728
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/14/2019 12:14	WG1345728
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/14/2019 12:14	WG1345728
Vinyl acetate	U		0.645	5.00	1	09/14/2019 12:14	WG1345728
Vinyl chloride	U		0.118	0.500	1	09/14/2019 12:14	WG1345728
Xylenes, Total	U		0.316	1.50	1	09/14/2019 12:14	WG1345728
(S) Toluene-d8	*102*			*80.0-120*		*09/14/2019 12:14*	WG1345728
(S) 4-Bromofluorobenzene	*99.6*			*77.0-126*		*09/14/2019 12:14*	WG1345728
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*09/14/2019 12:14*	WG1345728

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.7		1	09/18/2019 13:06	WG1347348

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0188	J J0 J3	0.0156	0.0285	1	09/17/2019 15:20	WG1347115
Acrylonitrile	U		0.00217	0.0143	1	09/17/2019 15:20	WG1347115
Benzene	U		0.000456	0.00114	1	09/17/2019 15:20	WG1347115
Bromobenzene	U		0.00120	0.0143	1	09/17/2019 15:20	WG1347115
Bromodichloromethane	U		0.000899	0.00285	1	09/17/2019 15:20	WG1347115
Bromochloromethane	U		0.00129	0.00570	1	09/17/2019 15:20	WG1347115
Bromoform	U		0.00682	0.0285	1	09/17/2019 15:20	WG1347115
Bromomethane	U		0.00422	0.0143	1	09/17/2019 15:20	WG1347115
n-Butylbenzene	U		0.00438	0.0143	1	09/17/2019 15:20	WG1347115
sec-Butylbenzene	U		0.00289	0.0143	1	09/17/2019 15:20	WG1347115
tert-Butylbenzene	U		0.00177	0.00570	1	09/17/2019 15:20	WG1347115
Carbon disulfide	U		0.00463	0.0143	1	09/17/2019 15:20	WG1347115
Carbon tetrachloride	U		0.00123	0.00570	1	09/17/2019 15:20	WG1347115
Chlorobenzene	U		0.000654	0.00285	1	09/17/2019 15:20	WG1347115
Chlorodibromomethane	U		0.000513	0.00285	1	09/17/2019 15:20	WG1347115
Chloroethane	U		0.00123	0.00570	1	09/17/2019 15:20	WG1347115
Chloroform	U		0.000473	0.00285	1	09/17/2019 15:20	WG1347115
Chloromethane	U		0.00159	0.0143	1	09/17/2019 15:20	WG1347115
2-Chlorotoluene	U		0.00105	0.00285	1	09/17/2019 15:20	WG1347115
4-Chlorotoluene	U		0.00129	0.00570	1	09/17/2019 15:20	WG1347115
1,2-Dibromo-3-Chloropropane	U		0.00582	0.0285	1	09/17/2019 15:20	WG1347115
1,2-Dibromoethane	U		0.000599	0.00285	1	09/17/2019 15:20	WG1347115
Dibromomethane	U		0.00114	0.00570	1	09/17/2019 15:20	WG1347115
1,2-Dichlorobenzene	U		0.00165	0.00570	1	09/17/2019 15:20	WG1347115
1,3-Dichlorobenzene	U		0.00194	0.00570	1	09/17/2019 15:20	WG1347115
1,4-Dichlorobenzene	U		0.00225	0.00570	1	09/17/2019 15:20	WG1347115
Dichlorodifluoromethane	U		0.000933	0.00285	1	09/17/2019 15:20	WG1347115
1,1-Dichloroethane	U		0.000656	0.00285	1	09/17/2019 15:20	WG1347115
1,2-Dichloroethane	U		0.000542	0.00285	1	09/17/2019 15:20	WG1347115
1,1-Dichloroethene	U		0.000570	0.00285	1	09/17/2019 15:20	WG1347115
cis-1,2-Dichloroethene	U		0.000787	0.00285	1	09/17/2019 15:20	WG1347115
trans-1,2-Dichloroethene	U		0.00163	0.00570	1	09/17/2019 15:20	WG1347115
1,2-Dichloropropane	U		0.00145	0.00570	1	09/17/2019 15:20	WG1347115
1,1-Dichloropropene	U		0.000798	0.00285	1	09/17/2019 15:20	WG1347115
1,3-Dichloropropane	U		0.00200	0.00570	1	09/17/2019 15:20	WG1347115
cis-1,3-Dichloropropene	U		0.000773	0.00285	1	09/17/2019 15:20	WG1347115
trans-1,3-Dichloropropene	U		0.00175	0.00570	1	09/17/2019 15:20	WG1347115
trans-1,4-Dichloro-2-butene	U		0.00160	0.00570	1	09/17/2019 15:20	WG1347115
2,2-Dichloropropane	U		0.000905	0.00285	1	09/17/2019 15:20	WG1347115
Di-isopropyl ether	U		0.000399	0.00114	1	09/17/2019 15:20	WG1347115
Ethylbenzene	0.000891	J	0.000605	0.00285	1	09/17/2019 15:20	WG1347115
Hexachloro-1,3-butadiene	U		0.0145	0.0285	1	09/17/2019 15:20	WG1347115
2-Hexanone	U		0.0114	0.0285	1	09/17/2019 15:20	WG1347115
n-Hexane	0.00489	J	0.00121	0.00570	1	09/17/2019 15:20	WG1347115
Iodomethane	U		0.00690	0.0143	1	09/17/2019 15:20	WG1347115
Isopropylbenzene	U		0.000984	0.00285	1	09/17/2019 15:20	WG1347115
p-Isopropyltoluene	U		0.00266	0.00570	1	09/17/2019 15:20	WG1347115
2-Butanone (MEK)	0.0147	J	0.0143	0.0285	1	09/17/2019 15:20	WG1347115
Methylene Chloride	U		0.00757	0.0285	1	09/17/2019 15:20	WG1347115
4-Methyl-2-pentanone (MIBK)	U		0.0114	0.0285	1	09/17/2019 15:20	WG1347115

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

Analyte	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	09/17/2019 15:20	WG1347115
Naphthalene	U		0.00356	0.0143	1	09/17/2019 15:20	WG1347115
n-Propylbenzene	U		0.00135	0.00570	1	09/17/2019 15:20	WG1347115
Styrene	0.0102	J	0.00311	0.0143	1	09/17/2019 15:20	WG1347115
1,1,1,2-Tetrachloroethane	U		0.000570	0.00285	1	09/17/2019 15:20	WG1347115
1,1,2,2-Tetrachloroethane	U		0.000445	0.00285	1	09/17/2019 15:20	WG1347115
1,1,2-Trichlorotrifluoroethane	U		0.000770	0.00285	1	09/17/2019 15:20	WG1347115
Tetrachloroethene	U		0.000798	0.00285	1	09/17/2019 15:20	WG1347115
Toluene	0.00797		0.00143	0.00570	1	09/17/2019 15:20	WG1347115
1,2,3-Trichlorobenzene	U		0.000713	0.00285	1	09/17/2019 15:20	WG1347115
1,2,4-Trichlorobenzene	U		0.00550	0.0143	1	09/17/2019 15:20	WG1347115
1,1,1-Trichloroethane	U		0.000314	0.00285	1	09/17/2019 15:20	WG1347115
1,1,2-Trichloroethane	U		0.00101	0.00285	1	09/17/2019 15:20	WG1347115
Trichloroethene	U		0.000456	0.00114	1	09/17/2019 15:20	WG1347115
Trichlorofluoromethane	U		0.000570	0.00285	1	09/17/2019 15:20	WG1347115
1,2,3-Trichloropropane	U		0.00582	0.0143	1	09/17/2019 15:20	WG1347115
1,2,4-Trimethylbenzene	U		0.00132	0.00570	1	09/17/2019 15:20	WG1347115
1,2,3-Trimethylbenzene	U		0.00131	0.00570	1	09/17/2019 15:20	WG1347115
1,3,5-Trimethylbenzene	U		0.00123	0.00570	1	09/17/2019 15:20	WG1347115
Vinyl acetate	U		0.00401	0.0143	1	09/17/2019 15:20	WG1347115
Vinyl chloride	U		0.000779	0.00285	1	09/17/2019 15:20	WG1347115
Xylenes, Total	U		0.00545	0.00741	1	09/17/2019 15:20	WG1347115
(S) Toluene-d8	*109*			*75.0-131*		*09/17/2019 15:20*	WG1347115
(S) 4-Bromofluorobenzene	*107*			*67.0-138*		*09/17/2019 15:20*	WG1347115
(S) 1,2-Dichloroethane-d4	*99.4*			*70.0-130*		*09/17/2019 15:20*	WG1347115

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.7		1	09/18/2019 13:06	WG1347348

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0283	J0 J3	0.0151	0.0275	1	09/17/2019 15:40	WG1347115
Acrylonitrile	U		0.00209	0.0138	1	09/17/2019 15:40	WG1347115
Benzene	0.00274		0.000441	0.00110	1	09/17/2019 15:40	WG1347115
Bromobenzene	U		0.00116	0.0138	1	09/17/2019 15:40	WG1347115
Bromodichloromethane	U		0.000868	0.00275	1	09/17/2019 15:40	WG1347115
Bromochloromethane	U		0.00125	0.00551	1	09/17/2019 15:40	WG1347115
Bromoform	U		0.00659	0.0275	1	09/17/2019 15:40	WG1347115
Bromomethane	U		0.00408	0.0138	1	09/17/2019 15:40	WG1347115
n-Butylbenzene	U		0.00423	0.0138	1	09/17/2019 15:40	WG1347115
sec-Butylbenzene	U		0.00279	0.0138	1	09/17/2019 15:40	WG1347115
tert-Butylbenzene	U		0.00171	0.00551	1	09/17/2019 15:40	WG1347115
Carbon disulfide	U		0.00447	0.0138	1	09/17/2019 15:40	WG1347115
Carbon tetrachloride	U		0.00119	0.00551	1	09/17/2019 15:40	WG1347115
Chlorobenzene	U		0.000631	0.00275	1	09/17/2019 15:40	WG1347115
Chlorodibromomethane	U		0.000496	0.00275	1	09/17/2019 15:40	WG1347115
Chloroethane	U		0.00119	0.00551	1	09/17/2019 15:40	WG1347115
Chloroform	U		0.000457	0.00275	1	09/17/2019 15:40	WG1347115
Chloromethane	U		0.00153	0.0138	1	09/17/2019 15:40	WG1347115
2-Chlorotoluene	U		0.00101	0.00275	1	09/17/2019 15:40	WG1347115
4-Chlorotoluene	U		0.00125	0.00551	1	09/17/2019 15:40	WG1347115
1,2-Dibromo-3-Chloropropane	U		0.00562	0.0275	1	09/17/2019 15:40	WG1347115
1,2-Dibromoethane	U		0.000579	0.00275	1	09/17/2019 15:40	WG1347115
Dibromomethane	U		0.00110	0.00551	1	09/17/2019 15:40	WG1347115
1,2-Dichlorobenzene	U		0.00160	0.00551	1	09/17/2019 15:40	WG1347115
1,3-Dichlorobenzene	U		0.00187	0.00551	1	09/17/2019 15:40	WG1347115
1,4-Dichlorobenzene	U		0.00217	0.00551	1	09/17/2019 15:40	WG1347115
Dichlorodifluoromethane	U		0.000901	0.00275	1	09/17/2019 15:40	WG1347115
1,1-Dichloroethane	U		0.000634	0.00275	1	09/17/2019 15:40	WG1347115
1,2-Dichloroethane	U		0.000523	0.00275	1	09/17/2019 15:40	WG1347115
1,1-Dichloroethene	U		0.000551	0.00275	1	09/17/2019 15:40	WG1347115
cis-1,2-Dichloroethene	U		0.000760	0.00275	1	09/17/2019 15:40	WG1347115
trans-1,2-Dichloroethene	U		0.00158	0.00551	1	09/17/2019 15:40	WG1347115
1,2-Dichloropropane	U		0.00140	0.00551	1	09/17/2019 15:40	WG1347115
1,1-Dichloropropene	U		0.000771	0.00275	1	09/17/2019 15:40	WG1347115
1,3-Dichloropropane	U		0.00193	0.00551	1	09/17/2019 15:40	WG1347115
cis-1,3-Dichloropropene	U		0.000747	0.00275	1	09/17/2019 15:40	WG1347115
trans-1,3-Dichloropropene	U		0.00169	0.00551	1	09/17/2019 15:40	WG1347115
trans-1,4-Dichloro-2-butene	U		0.00154	0.00551	1	09/17/2019 15:40	WG1347115
2,2-Dichloropropane	U		0.000874	0.00275	1	09/17/2019 15:40	WG1347115
Di-isopropyl ether	U		0.000386	0.00110	1	09/17/2019 15:40	WG1347115
Ethylbenzene	0.00213	J	0.000584	0.00275	1	09/17/2019 15:40	WG1347115
Hexachloro-1,3-butadiene	U		0.0140	0.0275	1	09/17/2019 15:40	WG1347115
2-Hexanone	U		0.0110	0.0275	1	09/17/2019 15:40	WG1347115
n-Hexane	0.00634		0.00117	0.00551	1	09/17/2019 15:40	WG1347115
Iodomethane	U		0.00667	0.0138	1	09/17/2019 15:40	WG1347115
Isopropylbenzene	U		0.000951	0.00275	1	09/17/2019 15:40	WG1347115
p-Isopropyltoluene	U		0.00257	0.00551	1	09/17/2019 15:40	WG1347115
2-Butanone (MEK)	U		0.0138	0.0275	1	09/17/2019 15:40	WG1347115
Methylene Chloride	0.00943	J	0.00732	0.0275	1	09/17/2019 15:40	WG1347115
4-Methyl-2-pentanone (MIBK)	U		0.0110	0.0275	1	09/17/2019 15:40	WG1347115

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000325	0.00110	1	09/17/2019 15:40	WG1347115
Naphthalene	0.00452	J	0.00344	0.0138	1	09/17/2019 15:40	WG1347115
n-Propylbenzene	U		0.00130	0.00551	1	09/17/2019 15:40	WG1347115
Styrene	U		0.00301	0.0138	1	09/17/2019 15:40	WG1347115
1,1,1,2-Tetrachloroethane	U		0.000551	0.00275	1	09/17/2019 15:40	WG1347115
1,1,2,2-Tetrachloroethane	U		0.000430	0.00275	1	09/17/2019 15:40	WG1347115
1,1,2-Trichlorotrifluoroethane	U		0.000744	0.00275	1	09/17/2019 15:40	WG1347115
Tetrachloroethene	U		0.000771	0.00275	1	09/17/2019 15:40	WG1347115
Toluene	0.00961		0.00138	0.00551	1	09/17/2019 15:40	WG1347115
1,2,3-Trichlorobenzene	U		0.000689	0.00275	1	09/17/2019 15:40	WG1347115
1,2,4-Trichlorobenzene	U		0.00531	0.0138	1	09/17/2019 15:40	WG1347115
1,1,1-Trichloroethane	U		0.000303	0.00275	1	09/17/2019 15:40	WG1347115
1,1,2-Trichloroethane	U		0.000973	0.00275	1	09/17/2019 15:40	WG1347115
Trichloroethene	U		0.000441	0.00110	1	09/17/2019 15:40	WG1347115
Trichlorofluoromethane	0.00358		0.000551	0.00275	1	09/17/2019 15:40	WG1347115
1,2,3-Trichloropropane	U		0.00562	0.0138	1	09/17/2019 15:40	WG1347115
1,2,4-Trimethylbenzene	0.00325	J	0.00128	0.00551	1	09/17/2019 15:40	WG1347115
1,2,3-Trimethylbenzene	0.00216	J	0.00127	0.00551	1	09/17/2019 15:40	WG1347115
1,3,5-Trimethylbenzene	0.00151	J	0.00119	0.00551	1	09/17/2019 15:40	WG1347115
Vinyl acetate	U		0.00388	0.0138	1	09/17/2019 15:40	WG1347115
Vinyl chloride	U		0.000753	0.00275	1	09/17/2019 15:40	WG1347115
Xylenes, Total	0.00846		0.00527	0.00716	1	09/17/2019 15:40	WG1347115
(S) Toluene-d8	*105*			*75.0-131*		*09/17/2019 15:40*	WG1347115
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/17/2019 15:40*	WG1347115
(S) 1,2-Dichloroethane-d4	*95.7*			*70.0-130*		*09/17/2019 15:40*	WG1347115

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.7		1	09/18/2019 13:06	WG1347348

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0420	J0 J3	0.0183	0.0333	1.18	09/17/2019 16:01	WG1347115
Acrylonitrile	U		0.00253	0.0166	1.18	09/17/2019 16:01	WG1347115
Benzene	U		0.000532	0.00133	1.18	09/17/2019 16:01	WG1347115
Bromobenzene	U		0.00140	0.0166	1.18	09/17/2019 16:01	WG1347115
Bromodichloromethane	U		0.00105	0.00333	1.18	09/17/2019 16:01	WG1347115
Bromochloromethane	U		0.00150	0.00665	1.18	09/17/2019 16:01	WG1347115
Bromoform	U		0.00796	0.0333	1.18	09/17/2019 16:01	WG1347115
Bromomethane	U		0.00493	0.0166	1.18	09/17/2019 16:01	WG1347115
n-Butylbenzene	U		0.00511	0.0166	1.18	09/17/2019 16:01	WG1347115
sec-Butylbenzene	U		0.00336	0.0166	1.18	09/17/2019 16:01	WG1347115
tert-Butylbenzene	U		0.00206	0.00665	1.18	09/17/2019 16:01	WG1347115
Carbon disulfide	U		0.00540	0.0166	1.18	09/17/2019 16:01	WG1347115
Carbon tetrachloride	U		0.00143	0.00665	1.18	09/17/2019 16:01	WG1347115
Chlorobenzene	U		0.000762	0.00333	1.18	09/17/2019 16:01	WG1347115
Chlorodibromomethane	U		0.000599	0.00333	1.18	09/17/2019 16:01	WG1347115
Chloroethane	U		0.00143	0.00665	1.18	09/17/2019 16:01	WG1347115
Chloroform	U		0.000553	0.00333	1.18	09/17/2019 16:01	WG1347115
Chloromethane	U		0.00185	0.0166	1.18	09/17/2019 16:01	WG1347115
2-Chlorotoluene	U		0.00122	0.00333	1.18	09/17/2019 16:01	WG1347115
4-Chlorotoluene	U		0.00150	0.00665	1.18	09/17/2019 16:01	WG1347115
1,2-Dibromo-3-Chloropropane	U		0.00679	0.0333	1.18	09/17/2019 16:01	WG1347115
1,2-Dibromoethane	U		0.000699	0.00333	1.18	09/17/2019 16:01	WG1347115
Dibromomethane	U		0.00133	0.00665	1.18	09/17/2019 16:01	WG1347115
1,2-Dichlorobenzene	U		0.00193	0.00665	1.18	09/17/2019 16:01	WG1347115
1,3-Dichlorobenzene	U		0.00227	0.00665	1.18	09/17/2019 16:01	WG1347115
1,4-Dichlorobenzene	U		0.00262	0.00665	1.18	09/17/2019 16:01	WG1347115
Dichlorodifluoromethane	U		0.00109	0.00333	1.18	09/17/2019 16:01	WG1347115
1,1-Dichloroethane	U		0.000765	0.00333	1.18	09/17/2019 16:01	WG1347115
1,2-Dichloroethane	U		0.000632	0.00333	1.18	09/17/2019 16:01	WG1347115
1,1-Dichloroethene	U		0.000665	0.00333	1.18	09/17/2019 16:01	WG1347115
cis-1,2-Dichloroethene	U		0.000918	0.00333	1.18	09/17/2019 16:01	WG1347115
trans-1,2-Dichloroethene	U		0.00191	0.00665	1.18	09/17/2019 16:01	WG1347115
1,2-Dichloropropane	U		0.00169	0.00665	1.18	09/17/2019 16:01	WG1347115
1,1-Dichloropropene	U		0.000932	0.00333	1.18	09/17/2019 16:01	WG1347115
1,3-Dichloropropane	U		0.00232	0.00665	1.18	09/17/2019 16:01	WG1347115
cis-1,3-Dichloropropene	U		0.000902	0.00333	1.18	09/17/2019 16:01	WG1347115
trans-1,3-Dichloropropene	U		0.00203	0.00665	1.18	09/17/2019 16:01	WG1347115
trans-1,4-Dichloro-2-butene	U		0.00186	0.00665	1.18	09/17/2019 16:01	WG1347115
2,2-Dichloropropane	U		0.00106	0.00333	1.18	09/17/2019 16:01	WG1347115
Di-isopropyl ether	U		0.000466	0.00133	1.18	09/17/2019 16:01	WG1347115
Ethylbenzene	U		0.000705	0.00333	1.18	09/17/2019 16:01	WG1347115
Hexachloro-1,3-butadiene	U		0.0169	0.0333	1.18	09/17/2019 16:01	WG1347115
2-Hexanone	U		0.0133	0.0333	1.18	09/17/2019 16:01	WG1347115
n-Hexane	0.00462	J	0.00141	0.00665	1.18	09/17/2019 16:01	WG1347115
Iodomethane	U		0.00805	0.0166	1.18	09/17/2019 16:01	WG1347115
Isopropylbenzene	U		0.00115	0.00333	1.18	09/17/2019 16:01	WG1347115
p-Isopropyltoluene	U		0.00310	0.00665	1.18	09/17/2019 16:01	WG1347115
2-Butanone (MEK)	0.0223	J	0.0167	0.0333	1.18	09/17/2019 16:01	WG1347115
Methylene Chloride	0.0129	J	0.00884	0.0333	1.18	09/17/2019 16:01	WG1347115
4-Methyl-2-pentanone (MIBK)	U		0.0133	0.0333	1.18	09/17/2019 16:01	WG1347115

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000393	0.00133	1.18	09/17/2019 16:01	WG1347115
Naphthalene	U		0.00415	0.0166	1.18	09/17/2019 16:01	WG1347115
n-Propylbenzene	U		0.00157	0.00665	1.18	09/17/2019 16:01	WG1347115
Styrene	U		0.00363	0.0166	1.18	09/17/2019 16:01	WG1347115
1,1,1,2-Tetrachloroethane	U		0.000665	0.00333	1.18	09/17/2019 16:01	WG1347115
1,1,2,2-Tetrachloroethane	U		0.000519	0.00333	1.18	09/17/2019 16:01	WG1347115
1,1,2-Trichlorotrifluoroethane	U		0.000898	0.00333	1.18	09/17/2019 16:01	WG1347115
Tetrachloroethene	U		0.000932	0.00333	1.18	09/17/2019 16:01	WG1347115
Toluene	0.00821		0.00167	0.00665	1.18	09/17/2019 16:01	WG1347115
1,2,3-Trichlorobenzene	U		0.000832	0.00333	1.18	09/17/2019 16:01	WG1347115
1,2,4-Trichlorobenzene	U		0.00642	0.0166	1.18	09/17/2019 16:01	WG1347115
1,1,1-Trichloroethane	U		0.000365	0.00333	1.18	09/17/2019 16:01	WG1347115
1,1,2-Trichloroethane	U		0.00117	0.00333	1.18	09/17/2019 16:01	WG1347115
Trichloroethene	U		0.000532	0.00133	1.18	09/17/2019 16:01	WG1347115
Trichlorofluoromethane	0.00306	J	0.000665	0.00333	1.18	09/17/2019 16:01	WG1347115
1,2,3-Trichloropropane	U		0.00679	0.0166	1.18	09/17/2019 16:01	WG1347115
1,2,4-Trimethylbenzene	U		0.00155	0.00665	1.18	09/17/2019 16:01	WG1347115
1,2,3-Trimethylbenzene	U		0.00153	0.00665	1.18	09/17/2019 16:01	WG1347115
1,3,5-Trimethylbenzene	U		0.00143	0.00665	1.18	09/17/2019 16:01	WG1347115
Vinyl acetate	U		0.00468	0.0166	1.18	09/17/2019 16:01	WG1347115
Vinyl chloride	U		0.000909	0.00333	1.18	09/17/2019 16:01	WG1347115
Xylenes, Total	U		0.00636	0.00865	1.18	09/17/2019 16:01	WG1347115
(S) Toluene-d8	*108*			*75.0-131*		*09/17/2019 16:01*	WG1347115
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*09/17/2019 16:01*	WG1347115
(S) 1,2-Dichloroethane-d4	*98.1*			*70.0-130*		*09/17/2019 16:01*	WG1347115

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.5		1	09/18/2019 13:06	WG1347348

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0298	J0 J3	0.0160	0.0292	1	09/17/2019 16:21	WG1347115
Acrylonitrile	U		0.00222	0.0146	1	09/17/2019 16:21	WG1347115
Benzene	U		0.000468	0.00117	1	09/17/2019 16:21	WG1347115
Bromobenzene	U		0.00123	0.0146	1	09/17/2019 16:21	WG1347115
Bromodichloromethane	U		0.000922	0.00292	1	09/17/2019 16:21	WG1347115
Bromochloromethane	U		0.00132	0.00585	1	09/17/2019 16:21	WG1347115
Bromoform	U		0.00699	0.0292	1	09/17/2019 16:21	WG1347115
Bromomethane	U		0.00433	0.0146	1	09/17/2019 16:21	WG1347115
n-Butylbenzene	U		0.00449	0.0146	1	09/17/2019 16:21	WG1347115
sec-Butylbenzene	U		0.00296	0.0146	1	09/17/2019 16:21	WG1347115
tert-Butylbenzene	U		0.00181	0.00585	1	09/17/2019 16:21	WG1347115
Carbon disulfide	U		0.00475	0.0146	1	09/17/2019 16:21	WG1347115
Carbon tetrachloride	U		0.00126	0.00585	1	09/17/2019 16:21	WG1347115
Chlorobenzene	U		0.000670	0.00292	1	09/17/2019 16:21	WG1347115
Chlorodibromomethane	U		0.000526	0.00292	1	09/17/2019 16:21	WG1347115
Chloroethane	U		0.00126	0.00585	1	09/17/2019 16:21	WG1347115
Chloroform	U		0.000485	0.00292	1	09/17/2019 16:21	WG1347115
Chloromethane	U		0.00163	0.0146	1	09/17/2019 16:21	WG1347115
2-Chlorotoluene	U		0.00108	0.00292	1	09/17/2019 16:21	WG1347115
4-Chlorotoluene	U		0.00132	0.00585	1	09/17/2019 16:21	WG1347115
1,2-Dibromo-3-Chloropropane	U		0.00596	0.0292	1	09/17/2019 16:21	WG1347115
1,2-Dibromoethane	U		0.000614	0.00292	1	09/17/2019 16:21	WG1347115
Dibromomethane	U		0.00117	0.00585	1	09/17/2019 16:21	WG1347115
1,2-Dichlorobenzene	U		0.00170	0.00585	1	09/17/2019 16:21	WG1347115
1,3-Dichlorobenzene	U		0.00199	0.00585	1	09/17/2019 16:21	WG1347115
1,4-Dichlorobenzene	U		0.00230	0.00585	1	09/17/2019 16:21	WG1347115
Dichlorodifluoromethane	U		0.000957	0.00292	1	09/17/2019 16:21	WG1347115
1,1-Dichloroethane	U		0.000672	0.00292	1	09/17/2019 16:21	WG1347115
1,2-Dichloroethane	U		0.000555	0.00292	1	09/17/2019 16:21	WG1347115
1,1-Dichloroethene	U		0.000585	0.00292	1	09/17/2019 16:21	WG1347115
cis-1,2-Dichloroethene	U		0.000807	0.00292	1	09/17/2019 16:21	WG1347115
trans-1,2-Dichloroethene	U		0.00167	0.00585	1	09/17/2019 16:21	WG1347115
1,2-Dichloropropane	U		0.00149	0.00585	1	09/17/2019 16:21	WG1347115
1,1-Dichloropropene	U		0.000819	0.00292	1	09/17/2019 16:21	WG1347115
1,3-Dichloropropane	U		0.00205	0.00585	1	09/17/2019 16:21	WG1347115
cis-1,3-Dichloropropene	U		0.000793	0.00292	1	09/17/2019 16:21	WG1347115
trans-1,3-Dichloropropene	U		0.00179	0.00585	1	09/17/2019 16:21	WG1347115
trans-1,4-Dichloro-2-butene	U		0.00164	0.00585	1	09/17/2019 16:21	WG1347115
2,2-Dichloropropane	U		0.000927	0.00292	1	09/17/2019 16:21	WG1347115
Di-isopropyl ether	U		0.000409	0.00117	1	09/17/2019 16:21	WG1347115
Ethylbenzene	U		0.000620	0.00292	1	09/17/2019 16:21	WG1347115
Hexachloro-1,3-butadiene	U		0.0149	0.0292	1	09/17/2019 16:21	WG1347115
2-Hexanone	U		0.0117	0.0292	1	09/17/2019 16:21	WG1347115
n-Hexane	0.00338	J	0.00124	0.00585	1	09/17/2019 16:21	WG1347115
Iodomethane	U		0.00708	0.0146	1	09/17/2019 16:21	WG1347115
Isopropylbenzene	U		0.00101	0.00292	1	09/17/2019 16:21	WG1347115
p-Isopropyltoluene	U		0.00272	0.00585	1	09/17/2019 16:21	WG1347115
2-Butanone (MEK)	0.0197	J	0.0146	0.0292	1	09/17/2019 16:21	WG1347115
Methylene Chloride	0.00875	J	0.00777	0.0292	1	09/17/2019 16:21	WG1347115
4-Methyl-2-pentanone (MIBK)	U		0.0117	0.0292	1	09/17/2019 16:21	WG1347115

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000345	0.00117	1	09/17/2019 16:21	WG1347115
Naphthalene	U		0.00365	0.0146	1	09/17/2019 16:21	WG1347115
n-Propylbenzene	U		0.00138	0.00585	1	09/17/2019 16:21	WG1347115
Styrene	U		0.00319	0.0146	1	09/17/2019 16:21	WG1347115
1,1,1,2-Tetrachloroethane	U		0.000585	0.00292	1	09/17/2019 16:21	WG1347115
1,1,2,2-Tetrachloroethane	U		0.000456	0.00292	1	09/17/2019 16:21	WG1347115
1,1,2-Trichlorotrifluoroethane	U		0.000789	0.00292	1	09/17/2019 16:21	WG1347115
Tetrachloroethene	U		0.000819	0.00292	1	09/17/2019 16:21	WG1347115
Toluene	0.00821		0.00146	0.00585	1	09/17/2019 16:21	WG1347115
1,2,3-Trichlorobenzene	U		0.000731	0.00292	1	09/17/2019 16:21	WG1347115
1,2,4-Trichlorobenzene	U		0.00564	0.0146	1	09/17/2019 16:21	WG1347115
1,1,1-Trichloroethane	U		0.000322	0.00292	1	09/17/2019 16:21	WG1347115
1,1,2-Trichloroethane	U		0.00103	0.00292	1	09/17/2019 16:21	WG1347115
Trichloroethene	U		0.000468	0.00117	1	09/17/2019 16:21	WG1347115
Trichlorofluoromethane	U		0.000585	0.00292	1	09/17/2019 16:21	WG1347115
1,2,3-Trichloropropane	U		0.00596	0.0146	1	09/17/2019 16:21	WG1347115
1,2,4-Trimethylbenzene	U		0.00136	0.00585	1	09/17/2019 16:21	WG1347115
1,2,3-Trimethylbenzene	U		0.00134	0.00585	1	09/17/2019 16:21	WG1347115
1,3,5-Trimethylbenzene	U		0.00126	0.00585	1	09/17/2019 16:21	WG1347115
Vinyl acetate	U		0.00412	0.0146	1	09/17/2019 16:21	WG1347115
Vinyl chloride	U		0.000799	0.00292	1	09/17/2019 16:21	WG1347115
Xylenes, Total	U		0.00559	0.00760	1	09/17/2019 16:21	WG1347115
(S) Toluene-d8	*106*			*75.0-131*		*09/17/2019 16:21*	WG1347115
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*09/17/2019 16:21*	WG1347115
(S) 1,2-Dichloroethane-d4	*98.9*			*70.0-130*		*09/17/2019 16:21*	WG1347115

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.4		1	09/18/2019 13:06	WG1347348

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0215	J J0 J3	0.0160	0.0293	1	09/17/2019 16:42	WG1347115
Acrylonitrile	U		0.00222	0.0146	1	09/17/2019 16:42	WG1347115
Benzene	U		0.000468	0.00117	1	09/17/2019 16:42	WG1347115
Bromobenzene	U		0.00123	0.0146	1	09/17/2019 16:42	WG1347115
Bromodichloromethane	U		0.000922	0.00293	1	09/17/2019 16:42	WG1347115
Bromochloromethane	U		0.00132	0.00585	1	09/17/2019 16:42	WG1347115
Bromoform	U		0.00700	0.0293	1	09/17/2019 16:42	WG1347115
Bromomethane	U		0.00433	0.0146	1	09/17/2019 16:42	WG1347115
n-Butylbenzene	U		0.00450	0.0146	1	09/17/2019 16:42	WG1347115
sec-Butylbenzene	U		0.00296	0.0146	1	09/17/2019 16:42	WG1347115
tert-Butylbenzene	U		0.00181	0.00585	1	09/17/2019 16:42	WG1347115
Carbon disulfide	U		0.00475	0.0146	1	09/17/2019 16:42	WG1347115
Carbon tetrachloride	U		0.00126	0.00585	1	09/17/2019 16:42	WG1347115
Chlorobenzene	U		0.000671	0.00293	1	09/17/2019 16:42	WG1347115
Chlorodibromomethane	U		0.000527	0.00293	1	09/17/2019 16:42	WG1347115
Chloroethane	U		0.00126	0.00585	1	09/17/2019 16:42	WG1347115
Chloroform	U		0.000486	0.00293	1	09/17/2019 16:42	WG1347115
Chloromethane	U		0.00163	0.0146	1	09/17/2019 16:42	WG1347115
2-Chlorotoluene	U		0.00108	0.00293	1	09/17/2019 16:42	WG1347115
4-Chlorotoluene	U		0.00132	0.00585	1	09/17/2019 16:42	WG1347115
1,2-Dibromo-3-Chloropropane	U		0.00597	0.0293	1	09/17/2019 16:42	WG1347115
1,2-Dibromoethane	U		0.000615	0.00293	1	09/17/2019 16:42	WG1347115
Dibromomethane	U		0.00117	0.00585	1	09/17/2019 16:42	WG1347115
1,2-Dichlorobenzene	U		0.00170	0.00585	1	09/17/2019 16:42	WG1347115
1,3-Dichlorobenzene	U		0.00199	0.00585	1	09/17/2019 16:42	WG1347115
1,4-Dichlorobenzene	U		0.00231	0.00585	1	09/17/2019 16:42	WG1347115
Dichlorodifluoromethane	U		0.000958	0.00293	1	09/17/2019 16:42	WG1347115
1,1-Dichloroethane	U		0.000673	0.00293	1	09/17/2019 16:42	WG1347115
1,2-Dichloroethane	U		0.000556	0.00293	1	09/17/2019 16:42	WG1347115
1,1-Dichloroethene	U		0.000585	0.00293	1	09/17/2019 16:42	WG1347115
cis-1,2-Dichloroethene	U		0.000808	0.00293	1	09/17/2019 16:42	WG1347115
trans-1,2-Dichloroethene	U		0.00167	0.00585	1	09/17/2019 16:42	WG1347115
1,2-Dichloropropane	U		0.00149	0.00585	1	09/17/2019 16:42	WG1347115
1,1-Dichloropropene	U		0.000819	0.00293	1	09/17/2019 16:42	WG1347115
1,3-Dichloropropane	U		0.00205	0.00585	1	09/17/2019 16:42	WG1347115
cis-1,3-Dichloropropene	U		0.000794	0.00293	1	09/17/2019 16:42	WG1347115
trans-1,3-Dichloropropene	U		0.00179	0.00585	1	09/17/2019 16:42	WG1347115
trans-1,4-Dichloro-2-butene	U		0.00164	0.00585	1	09/17/2019 16:42	WG1347115
2,2-Dichloropropane	U		0.000928	0.00293	1	09/17/2019 16:42	WG1347115
Di-isopropyl ether	U		0.000410	0.00117	1	09/17/2019 16:42	WG1347115
Ethylbenzene	U		0.000620	0.00293	1	09/17/2019 16:42	WG1347115
Hexachloro-1,3-butadiene	U		0.0149	0.0293	1	09/17/2019 16:42	WG1347115
2-Hexanone	U		0.0117	0.0293	1	09/17/2019 16:42	WG1347115
n-Hexane	U		0.00124	0.00585	1	09/17/2019 16:42	WG1347115
Iodomethane	U		0.00708	0.0146	1	09/17/2019 16:42	WG1347115
Isopropylbenzene	U		0.00101	0.00293	1	09/17/2019 16:42	WG1347115
p-Isopropyltoluene	U		0.00273	0.00585	1	09/17/2019 16:42	WG1347115
2-Butanone (MEK)	U		0.0146	0.0293	1	09/17/2019 16:42	WG1347115
Methylene Chloride	U		0.00777	0.0293	1	09/17/2019 16:42	WG1347115
4-Methyl-2-pentanone (MIBK)	U		0.0117	0.0293	1	09/17/2019 16:42	WG1347115

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		0.000345	0.00117	1	09/17/2019 16:42	WG1347115
Naphthalene	U		0.00365	0.0146	1	09/17/2019 16:42	WG1347115
n-Propylbenzene	U		0.00138	0.00585	1	09/17/2019 16:42	WG1347115
Styrene	U		0.00320	0.0146	1	09/17/2019 16:42	WG1347115
1,1,1,2-Tetrachloroethane	U		0.000585	0.00293	1	09/17/2019 16:42	WG1347115
1,1,2,2-Tetrachloroethane	U		0.000457	0.00293	1	09/17/2019 16:42	WG1347115
1,1,2-Trichlorotrifluoroethane	U		0.000790	0.00293	1	09/17/2019 16:42	WG1347115
Tetrachloroethene	U		0.000819	0.00293	1	09/17/2019 16:42	WG1347115
Toluene	0.00613		0.00146	0.00585	1	09/17/2019 16:42	WG1347115
1,2,3-Trichlorobenzene	U		0.000732	0.00293	1	09/17/2019 16:42	WG1347115
1,2,4-Trichlorobenzene	U		0.00564	0.0146	1	09/17/2019 16:42	WG1347115
1,1,1-Trichloroethane	U		0.000322	0.00293	1	09/17/2019 16:42	WG1347115
1,1,2-Trichloroethane	U		0.00103	0.00293	1	09/17/2019 16:42	WG1347115
Trichloroethene	U		0.000468	0.00117	1	09/17/2019 16:42	WG1347115
Trichlorofluoromethane	0.00261	J	0.000585	0.00293	1	09/17/2019 16:42	WG1347115
1,2,3-Trichloropropane	U		0.00597	0.0146	1	09/17/2019 16:42	WG1347115
1,2,4-Trimethylbenzene	U		0.00136	0.00585	1	09/17/2019 16:42	WG1347115
1,2,3-Trimethylbenzene	U		0.00135	0.00585	1	09/17/2019 16:42	WG1347115
1,3,5-Trimethylbenzene	U		0.00126	0.00585	1	09/17/2019 16:42	WG1347115
Vinyl acetate	U		0.00412	0.0146	1	09/17/2019 16:42	WG1347115
Vinyl chloride	U		0.000800	0.00293	1	09/17/2019 16:42	WG1347115
Xylenes, Total	U		0.00560	0.00761	1	09/17/2019 16:42	WG1347115
(S) Toluene-d8	*104*			*75.0-131*		*09/17/2019 16:42*	WG1347115
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/17/2019 16:42*	WG1347115
(S) 1,2-Dichloroethane-d4	*95.8*			*70.0-130*		*09/17/2019 16:42*	WG1347115

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.6		1	09/18/2019 13:06	WG1347348

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0213	J J0 J3	0.0170	0.0310	1	09/17/2019 17:02	WG1347115
Acrylonitrile	U		0.00236	0.0155	1	09/17/2019 17:02	WG1347115
Benzene	U		0.000496	0.00124	1	09/17/2019 17:02	WG1347115
Bromobenzene	U		0.00130	0.0155	1	09/17/2019 17:02	WG1347115
Bromodichloromethane	U		0.000978	0.00310	1	09/17/2019 17:02	WG1347115
Bromochloromethane	U		0.00140	0.00620	1	09/17/2019 17:02	WG1347115
Bromoform	U		0.00742	0.0310	1	09/17/2019 17:02	WG1347115
Bromomethane	U		0.00459	0.0155	1	09/17/2019 17:02	WG1347115
n-Butylbenzene	U		0.00477	0.0155	1	09/17/2019 17:02	WG1347115
sec-Butylbenzene	U		0.00314	0.0155	1	09/17/2019 17:02	WG1347115
tert-Butylbenzene	U		0.00192	0.00620	1	09/17/2019 17:02	WG1347115
Carbon disulfide	U		0.00504	0.0155	1	09/17/2019 17:02	WG1347115
Carbon tetrachloride	U		0.00134	0.00620	1	09/17/2019 17:02	WG1347115
Chlorobenzene	U		0.000711	0.00310	1	09/17/2019 17:02	WG1347115
Chlorodibromomethane	U		0.000558	0.00310	1	09/17/2019 17:02	WG1347115
Chloroethane	U		0.00134	0.00620	1	09/17/2019 17:02	WG1347115
Chloroform	U		0.000515	0.00310	1	09/17/2019 17:02	WG1347115
Chloromethane	U		0.00172	0.0155	1	09/17/2019 17:02	WG1347115
2-Chlorotoluene	U		0.00114	0.00310	1	09/17/2019 17:02	WG1347115
4-Chlorotoluene	U		0.00140	0.00620	1	09/17/2019 17:02	WG1347115
1,2-Dibromo-3-Chloropropane	U		0.00633	0.0310	1	09/17/2019 17:02	WG1347115
1,2-Dibromoethane	U		0.000651	0.00310	1	09/17/2019 17:02	WG1347115
Dibromomethane	U		0.00124	0.00620	1	09/17/2019 17:02	WG1347115
1,2-Dichlorobenzene	U		0.00180	0.00620	1	09/17/2019 17:02	WG1347115
1,3-Dichlorobenzene	U		0.00211	0.00620	1	09/17/2019 17:02	WG1347115
1,4-Dichlorobenzene	U		0.00244	0.00620	1	09/17/2019 17:02	WG1347115
Dichlorodifluoromethane	U		0.00102	0.00310	1	09/17/2019 17:02	WG1347115
1,1-Dichloroethane	U		0.000714	0.00310	1	09/17/2019 17:02	WG1347115
1,2-Dichloroethane	U		0.000589	0.00310	1	09/17/2019 17:02	WG1347115
1,1-Dichloroethene	U		0.000620	0.00310	1	09/17/2019 17:02	WG1347115
cis-1,2-Dichloroethene	U		0.000856	0.00310	1	09/17/2019 17:02	WG1347115
trans-1,2-Dichloroethene	U		0.00177	0.00620	1	09/17/2019 17:02	WG1347115
1,2-Dichloropropane	U		0.00158	0.00620	1	09/17/2019 17:02	WG1347115
1,1-Dichloropropene	U		0.000869	0.00310	1	09/17/2019 17:02	WG1347115
1,3-Dichloropropane	U		0.00217	0.00620	1	09/17/2019 17:02	WG1347115
cis-1,3-Dichloropropene	U		0.000841	0.00310	1	09/17/2019 17:02	WG1347115
trans-1,3-Dichloropropene	U		0.00190	0.00620	1	09/17/2019 17:02	WG1347115
trans-1,4-Dichloro-2-butene	U		0.00174	0.00620	1	09/17/2019 17:02	WG1347115
2,2-Dichloropropane	U		0.000984	0.00310	1	09/17/2019 17:02	WG1347115
Di-isopropyl ether	U		0.000434	0.00124	1	09/17/2019 17:02	WG1347115
Ethylbenzene	U		0.000658	0.00310	1	09/17/2019 17:02	WG1347115
Hexachloro-1,3-butadiene	U		0.0158	0.0310	1	09/17/2019 17:02	WG1347115
2-Hexanone	U		0.0124	0.0310	1	09/17/2019 17:02	WG1347115
n-Hexane	0.00347	J	0.00132	0.00620	1	09/17/2019 17:02	WG1347115
Iodomethane	U		0.00751	0.0155	1	09/17/2019 17:02	WG1347115
Isopropylbenzene	U		0.00107	0.00310	1	09/17/2019 17:02	WG1347115
p-Isopropyltoluene	U		0.00289	0.00620	1	09/17/2019 17:02	WG1347115
2-Butanone (MEK)	U		0.0155	0.0310	1	09/17/2019 17:02	WG1347115
Methylene Chloride	0.0105	J	0.00824	0.0310	1	09/17/2019 17:02	WG1347115
4-Methyl-2-pentanone (MIBK)	U		0.0124	0.0310	1	09/17/2019 17:02	WG1347115

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

Analyte	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	09/17/2019 17:02	WG1347115
Naphthalene	U		0.00387	0.0155	1	09/17/2019 17:02	WG1347115
n-Propylbenzene	U		0.00146	0.00620	1	09/17/2019 17:02	WG1347115
Styrene	U		0.00339	0.0155	1	09/17/2019 17:02	WG1347115
1,1,1,2-Tetrachloroethane	U		0.000620	0.00310	1	09/17/2019 17:02	WG1347115
1,1,2,2-Tetrachloroethane	U		0.000484	0.00310	1	09/17/2019 17:02	WG1347115
1,1,2-Trichlorotrifluoroethane	U		0.000838	0.00310	1	09/17/2019 17:02	WG1347115
Tetrachloroethene	U		0.000869	0.00310	1	09/17/2019 17:02	WG1347115
Toluene	0.00595	J	0.00155	0.00620	1	09/17/2019 17:02	WG1347115
1,2,3-Trichlorobenzene	U		0.000776	0.00310	1	09/17/2019 17:02	WG1347115
1,2,4-Trichlorobenzene	U		0.00598	0.0155	1	09/17/2019 17:02	WG1347115
1,1,1-Trichloroethane	U		0.000341	0.00310	1	09/17/2019 17:02	WG1347115
1,1,2-Trichloroethane	U		0.00110	0.00310	1	09/17/2019 17:02	WG1347115
Trichloroethene	U		0.000496	0.00124	1	09/17/2019 17:02	WG1347115
Trichlorofluoromethane	0.00253	J	0.000620	0.00310	1	09/17/2019 17:02	WG1347115
1,2,3-Trichloropropane	U		0.00633	0.0155	1	09/17/2019 17:02	WG1347115
1,2,4-Trimethylbenzene	U		0.00144	0.00620	1	09/17/2019 17:02	WG1347115
1,2,3-Trimethylbenzene	U		0.00143	0.00620	1	09/17/2019 17:02	WG1347115
1,3,5-Trimethylbenzene	U		0.00134	0.00620	1	09/17/2019 17:02	WG1347115
Vinyl acetate	U		0.00437	0.0155	1	09/17/2019 17:02	WG1347115
Vinyl chloride	U		0.000848	0.00310	1	09/17/2019 17:02	WG1347115
Xylenes, Total	U		0.00593	0.00807	1	09/17/2019 17:02	WG1347115
(S) Toluene-d8	*106*			*75.0-131*		*09/17/2019 17:02*	WG1347115
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*09/17/2019 17:02*	WG1347115
(S) 1,2-Dichloroethane-d4	*98.8*			*70.0-130*		*09/17/2019 17:02*	WG1347115

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.9		1	09/18/2019 13:06	WG1347348

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.105	J0 J3	0.0553	0.101	3.23	09/17/2019 17:23	WG1347115
Acrylonitrile	U		0.00768	0.0505	3.23	09/17/2019 17:23	WG1347115
Benzene	U		0.00161	0.00404	3.23	09/17/2019 17:23	WG1347115
Bromobenzene	U		0.00424	0.0505	3.23	09/17/2019 17:23	WG1347115
Bromodichloromethane	U		0.00318	0.0101	3.23	09/17/2019 17:23	WG1347115
Bromochloromethane	U		0.00457	0.0202	3.23	09/17/2019 17:23	WG1347115
Bromoform	U		0.0241	0.101	3.23	09/17/2019 17:23	WG1347115
Bromomethane	U		0.0150	0.0505	3.23	09/17/2019 17:23	WG1347115
n-Butylbenzene	U		0.0155	0.0505	3.23	09/17/2019 17:23	WG1347115
sec-Butylbenzene	U		0.0102	0.0505	3.23	09/17/2019 17:23	WG1347115
tert-Butylbenzene	U		0.00627	0.0202	3.23	09/17/2019 17:23	WG1347115
Carbon disulfide	U		0.0164	0.0505	3.23	09/17/2019 17:23	WG1347115
Carbon tetrachloride	U		0.00437	0.0202	3.23	09/17/2019 17:23	WG1347115
Chlorobenzene	U		0.00231	0.0101	3.23	09/17/2019 17:23	WG1347115
Chlorodibromomethane	U		0.00181	0.0101	3.23	09/17/2019 17:23	WG1347115
Chloroethane	U		0.00437	0.0202	3.23	09/17/2019 17:23	WG1347115
Chloroform	U		0.00168	0.0101	3.23	09/17/2019 17:23	WG1347115
Chloromethane	U		0.00562	0.0505	3.23	09/17/2019 17:23	WG1347115
2-Chlorotoluene	U		0.00372	0.0101	3.23	09/17/2019 17:23	WG1347115
4-Chlorotoluene	U		0.00457	0.0202	3.23	09/17/2019 17:23	WG1347115
1,2-Dibromo-3-Chloropropane	U		0.0206	0.101	3.23	09/17/2019 17:23	WG1347115
1,2-Dibromoethane	U		0.00213	0.0101	3.23	09/17/2019 17:23	WG1347115
Dibromomethane	U		0.00404	0.0202	3.23	09/17/2019 17:23	WG1347115
1,2-Dichlorobenzene	U		0.00586	0.0202	3.23	09/17/2019 17:23	WG1347115
1,3-Dichlorobenzene	U		0.00687	0.0202	3.23	09/17/2019 17:23	WG1347115
1,4-Dichlorobenzene	U		0.00796	0.0202	3.23	09/17/2019 17:23	WG1347115
Dichlorodifluoromethane	U		0.00330	0.0101	3.23	09/17/2019 17:23	WG1347115
1,1-Dichloroethane	U		0.00233	0.0101	3.23	09/17/2019 17:23	WG1347115
1,2-Dichloroethane	U		0.00191	0.0101	3.23	09/17/2019 17:23	WG1347115
1,1-Dichloroethene	U		0.00203	0.0101	3.23	09/17/2019 17:23	WG1347115
cis-1,2-Dichloroethene	U		0.00279	0.0101	3.23	09/17/2019 17:23	WG1347115
trans-1,2-Dichloroethene	U		0.00578	0.0202	3.23	09/17/2019 17:23	WG1347115
1,2-Dichloropropane	U		0.00513	0.0202	3.23	09/17/2019 17:23	WG1347115
1,1-Dichloropropene	U		0.00283	0.0101	3.23	09/17/2019 17:23	WG1347115
1,3-Dichloropropane	U		0.00707	0.0202	3.23	09/17/2019 17:23	WG1347115
cis-1,3-Dichloropropene	U		0.00274	0.0101	3.23	09/17/2019 17:23	WG1347115
trans-1,3-Dichloropropene	U		0.00618	0.0202	3.23	09/17/2019 17:23	WG1347115
trans-1,4-Dichloro-2-butene	U		0.00566	0.0202	3.23	09/17/2019 17:23	WG1347115
2,2-Dichloropropane	U		0.00320	0.0101	3.23	09/17/2019 17:23	WG1347115
Di-isopropyl ether	U		0.00141	0.00404	3.23	09/17/2019 17:23	WG1347115
Ethylbenzene	U		0.00214	0.0101	3.23	09/17/2019 17:23	WG1347115
Hexachloro-1,3-butadiene	U		0.0513	0.101	3.23	09/17/2019 17:23	WG1347115
2-Hexanone	U		0.0404	0.101	3.23	09/17/2019 17:23	WG1347115
n-Hexane	U		0.00428	0.0202	3.23	09/17/2019 17:23	WG1347115
Iodomethane	U		0.0244	0.0505	3.23	09/17/2019 17:23	WG1347115
Isopropylbenzene	U		0.00349	0.0101	3.23	09/17/2019 17:23	WG1347115
p-Isopropyltoluene	U		0.00941	0.0202	3.23	09/17/2019 17:23	WG1347115
2-Butanone (MEK)	U		0.0505	0.101	3.23	09/17/2019 17:23	WG1347115
Methylene Chloride	0.0350	J	0.0268	0.101	3.23	09/17/2019 17:23	WG1347115
4-Methyl-2-pentanone (MIBK)	U		0.0404	0.101	3.23	09/17/2019 17:23	WG1347115

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.00119	0.00404	3.23	09/17/2019 17:23	WG1347115
Naphthalene	U		0.0126	0.0505	3.23	09/17/2019 17:23	WG1347115
n-Propylbenzene	U		0.00477	0.0202	3.23	09/17/2019 17:23	WG1347115
Styrene	U		0.0110	0.0505	3.23	09/17/2019 17:23	WG1347115
1,1,1,2-Tetrachloroethane	U		0.00203	0.0101	3.23	09/17/2019 17:23	WG1347115
1,1,2,2-Tetrachloroethane	U		0.00158	0.0101	3.23	09/17/2019 17:23	WG1347115
1,1,2-Trichlorotrifluoroethane	U		0.00273	0.0101	3.23	09/17/2019 17:23	WG1347115
Tetrachloroethene	U		0.00283	0.0101	3.23	09/17/2019 17:23	WG1347115
Toluene	0.0174	J	0.00505	0.0202	3.23	09/17/2019 17:23	WG1347115
1,2,3-Trichlorobenzene	U		0.00253	0.0101	3.23	09/17/2019 17:23	WG1347115
1,2,4-Trichlorobenzene	U		0.0195	0.0505	3.23	09/17/2019 17:23	WG1347115
1,1,1-Trichloroethane	U		0.00111	0.0101	3.23	09/17/2019 17:23	WG1347115
1,1,2-Trichloroethane	U		0.00357	0.0101	3.23	09/17/2019 17:23	WG1347115
Trichloroethene	U		0.00161	0.00404	3.23	09/17/2019 17:23	WG1347115
Trichlorofluoromethane	U		0.00203	0.0101	3.23	09/17/2019 17:23	WG1347115
1,2,3-Trichloropropane	U		0.0206	0.0505	3.23	09/17/2019 17:23	WG1347115
1,2,4-Trimethylbenzene	U		0.00469	0.0202	3.23	09/17/2019 17:23	WG1347115
1,2,3-Trimethylbenzene	U		0.00464	0.0202	3.23	09/17/2019 17:23	WG1347115
1,3,5-Trimethylbenzene	U		0.00437	0.0202	3.23	09/17/2019 17:23	WG1347115
Vinyl acetate	U		0.0143	0.0505	3.23	09/17/2019 17:23	WG1347115
Vinyl chloride	U		0.00277	0.0101	3.23	09/17/2019 17:23	WG1347115
Xylenes, Total	U		0.0193	0.0263	3.23	09/17/2019 17:23	WG1347115
(S) Toluene-d8	*104*			*75.0-131*		*09/17/2019 17:23*	WG1347115
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*09/17/2019 17:23*	WG1347115
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*09/17/2019 17:23*	WG1347115

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.9		1	09/18/2019 13:22	WG1347351

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0416	J0 J3	0.0169	0.0309	1	09/17/2019 17:43	WG1347115
Acrylonitrile	U		0.00235	0.0155	1	09/17/2019 17:43	WG1347115
Benzene	U		0.000495	0.00124	1	09/17/2019 17:43	WG1347115
Bromobenzene	U		0.00130	0.0155	1	09/17/2019 17:43	WG1347115
Bromodichloromethane	U		0.000975	0.00309	1	09/17/2019 17:43	WG1347115
Bromochloromethane	U		0.00140	0.00618	1	09/17/2019 17:43	WG1347115
Bromoform	U		0.00740	0.0309	1	09/17/2019 17:43	WG1347115
Bromomethane	U		0.00458	0.0155	1	09/17/2019 17:43	WG1347115
n-Butylbenzene	U		0.00475	0.0155	1	09/17/2019 17:43	WG1347115
sec-Butylbenzene	U		0.00313	0.0155	1	09/17/2019 17:43	WG1347115
tert-Butylbenzene	U		0.00192	0.00618	1	09/17/2019 17:43	WG1347115
Carbon disulfide	U		0.00502	0.0155	1	09/17/2019 17:43	WG1347115
Carbon tetrachloride	U		0.00134	0.00618	1	09/17/2019 17:43	WG1347115
Chlorobenzene	U		0.000709	0.00309	1	09/17/2019 17:43	WG1347115
Chlorodibromomethane	U		0.000557	0.00309	1	09/17/2019 17:43	WG1347115
Chloroethane	U		0.00134	0.00618	1	09/17/2019 17:43	WG1347115
Chloroform	U		0.000513	0.00309	1	09/17/2019 17:43	WG1347115
Chloromethane	U		0.00172	0.0155	1	09/17/2019 17:43	WG1347115
2-Chlorotoluene	U		0.00114	0.00309	1	09/17/2019 17:43	WG1347115
4-Chlorotoluene	U		0.00140	0.00618	1	09/17/2019 17:43	WG1347115
1,2-Dibromo-3-Chloropropane	U		0.00631	0.0309	1	09/17/2019 17:43	WG1347115
1,2-Dibromoethane	U		0.000649	0.00309	1	09/17/2019 17:43	WG1347115
Dibromomethane	U		0.00124	0.00618	1	09/17/2019 17:43	WG1347115
1,2-Dichlorobenzene	U		0.00179	0.00618	1	09/17/2019 17:43	WG1347115
1,3-Dichlorobenzene	U		0.00210	0.00618	1	09/17/2019 17:43	WG1347115
1,4-Dichlorobenzene	U		0.00244	0.00618	1	09/17/2019 17:43	WG1347115
Dichlorodifluoromethane	U		0.00101	0.00309	1	09/17/2019 17:43	WG1347115
1,1-Dichloroethane	U		0.000711	0.00309	1	09/17/2019 17:43	WG1347115
1,2-Dichloroethane	U		0.000587	0.00309	1	09/17/2019 17:43	WG1347115
1,1-Dichloroethene	U		0.000618	0.00309	1	09/17/2019 17:43	WG1347115
cis-1,2-Dichloroethene	U		0.000853	0.00309	1	09/17/2019 17:43	WG1347115
trans-1,2-Dichloroethene	U		0.00177	0.00618	1	09/17/2019 17:43	WG1347115
1,2-Dichloropropane	U		0.00157	0.00618	1	09/17/2019 17:43	WG1347115
1,1-Dichloropropene	U		0.000866	0.00309	1	09/17/2019 17:43	WG1347115
1,3-Dichloropropane	U		0.00216	0.00618	1	09/17/2019 17:43	WG1347115
cis-1,3-Dichloropropene	U		0.000838	0.00309	1	09/17/2019 17:43	WG1347115
trans-1,3-Dichloropropene	U		0.00189	0.00618	1	09/17/2019 17:43	WG1347115
trans-1,4-Dichloro-2-butene	U		0.00173	0.00618	1	09/17/2019 17:43	WG1347115
2,2-Dichloropropane	U		0.000981	0.00309	1	09/17/2019 17:43	WG1347115
Di-isopropyl ether	U		0.000433	0.00124	1	09/17/2019 17:43	WG1347115
Ethylbenzene	U		0.000655	0.00309	1	09/17/2019 17:43	WG1347115
Hexachloro-1,3-butadiene	U		0.0157	0.0309	1	09/17/2019 17:43	WG1347115
2-Hexanone	U		0.0124	0.0309	1	09/17/2019 17:43	WG1347115
n-Hexane	0.00352	J	0.00131	0.00618	1	09/17/2019 17:43	WG1347115
Iodomethane	U		0.00748	0.0155	1	09/17/2019 17:43	WG1347115
Isopropylbenzene	U		0.00107	0.00309	1	09/17/2019 17:43	WG1347115
p-Isopropyltoluene	U		0.00288	0.00618	1	09/17/2019 17:43	WG1347115
2-Butanone (MEK)	0.0175	J	0.0155	0.0309	1	09/17/2019 17:43	WG1347115
Methylene Chloride	0.0120	J	0.00821	0.0309	1	09/17/2019 17:43	WG1347115
4-Methyl-2-pentanone (MIBK)	U		0.0124	0.0309	1	09/17/2019 17:43	WG1347115

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		0.000365	0.00124	1	09/17/2019 17:43	WG1347115
Naphthalene	U		0.00386	0.0155	1	09/17/2019 17:43	WG1347115
n-Propylbenzene	U		0.00146	0.00618	1	09/17/2019 17:43	WG1347115
Styrene	U		0.00338	0.0155	1	09/17/2019 17:43	WG1347115
1,1,1,2-Tetrachloroethane	U		0.000618	0.00309	1	09/17/2019 17:43	WG1347115
1,1,2,2-Tetrachloroethane	U		0.000482	0.00309	1	09/17/2019 17:43	WG1347115
1,1,2-Trichlorotrifluoroethane	U		0.000835	0.00309	1	09/17/2019 17:43	WG1347115
Tetrachloroethene	U		0.000866	0.00309	1	09/17/2019 17:43	WG1347115
Toluene	0.00819		0.00155	0.00618	1	09/17/2019 17:43	WG1347115
1,2,3-Trichlorobenzene	U		0.000773	0.00309	1	09/17/2019 17:43	WG1347115
1,2,4-Trichlorobenzene	U		0.00596	0.0155	1	09/17/2019 17:43	WG1347115
1,1,1-Trichloroethane	U		0.000340	0.00309	1	09/17/2019 17:43	WG1347115
1,1,2-Trichloroethane	U		0.00109	0.00309	1	09/17/2019 17:43	WG1347115
Trichloroethene	U		0.000495	0.00124	1	09/17/2019 17:43	WG1347115
Trichlorofluoromethane	U		0.000618	0.00309	1	09/17/2019 17:43	WG1347115
1,2,3-Trichloropropane	U		0.00631	0.0155	1	09/17/2019 17:43	WG1347115
1,2,4-Trimethylbenzene	U		0.00143	0.00618	1	09/17/2019 17:43	WG1347115
1,2,3-Trimethylbenzene	U		0.00142	0.00618	1	09/17/2019 17:43	WG1347115
1,3,5-Trimethylbenzene	U		0.00134	0.00618	1	09/17/2019 17:43	WG1347115
Vinyl acetate	U		0.00435	0.0155	1	09/17/2019 17:43	WG1347115
Vinyl chloride	U		0.000845	0.00309	1	09/17/2019 17:43	WG1347115
Xylenes, Total	U		0.00591	0.00804	1	09/17/2019 17:43	WG1347115
(S) Toluene-d8	*105*			*75.0-131*		*09/17/2019 17:43*	WG1347115
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*09/17/2019 17:43*	WG1347115
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/17/2019 17:43*	WG1347115

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.9		1	09/18/2019 13:22	WG1347351

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0437	J0 J3	0.0163	0.0298	1	09/17/2019 18:04	WG1347115
Acrylonitrile	U		0.00227	0.0149	1	09/17/2019 18:04	WG1347115
Benzene	U		0.000477	0.00119	1	09/17/2019 18:04	WG1347115
Bromobenzene	U		0.00125	0.0149	1	09/17/2019 18:04	WG1347115
Bromodichloromethane	U		0.000940	0.00298	1	09/17/2019 18:04	WG1347115
Bromochloromethane	U		0.00135	0.00596	1	09/17/2019 18:04	WG1347115
Bromoform	U		0.00713	0.0298	1	09/17/2019 18:04	WG1347115
Bromomethane	U		0.00441	0.0149	1	09/17/2019 18:04	WG1347115
n-Butylbenzene	U		0.00458	0.0149	1	09/17/2019 18:04	WG1347115
sec-Butylbenzene	U		0.00302	0.0149	1	09/17/2019 18:04	WG1347115
tert-Butylbenzene	U		0.00185	0.00596	1	09/17/2019 18:04	WG1347115
Carbon disulfide	U		0.00484	0.0149	1	09/17/2019 18:04	WG1347115
Carbon tetrachloride	U		0.00129	0.00596	1	09/17/2019 18:04	WG1347115
Chlorobenzene	U		0.000683	0.00298	1	09/17/2019 18:04	WG1347115
Chlorodibromomethane	U		0.000537	0.00298	1	09/17/2019 18:04	WG1347115
Chloroethane	U		0.00129	0.00596	1	09/17/2019 18:04	WG1347115
Chloroform	U		0.000495	0.00298	1	09/17/2019 18:04	WG1347115
Chloromethane	U		0.00166	0.0149	1	09/17/2019 18:04	WG1347115
2-Chlorotoluene	U		0.00110	0.00298	1	09/17/2019 18:04	WG1347115
4-Chlorotoluene	U		0.00135	0.00596	1	09/17/2019 18:04	WG1347115
1,2-Dibromo-3-Chloropropane	U		0.00608	0.0298	1	09/17/2019 18:04	WG1347115
1,2-Dibromoethane	U		0.000626	0.00298	1	09/17/2019 18:04	WG1347115
Dibromomethane	U		0.00119	0.00596	1	09/17/2019 18:04	WG1347115
1,2-Dichlorobenzene	U		0.00173	0.00596	1	09/17/2019 18:04	WG1347115
1,3-Dichlorobenzene	U		0.00203	0.00596	1	09/17/2019 18:04	WG1347115
1,4-Dichlorobenzene	U		0.00235	0.00596	1	09/17/2019 18:04	WG1347115
Dichlorodifluoromethane	U		0.000976	0.00298	1	09/17/2019 18:04	WG1347115
1,1-Dichloroethane	U		0.000686	0.00298	1	09/17/2019 18:04	WG1347115
1,2-Dichloroethane	U		0.000566	0.00298	1	09/17/2019 18:04	WG1347115
1,1-Dichloroethene	U		0.000596	0.00298	1	09/17/2019 18:04	WG1347115
cis-1,2-Dichloroethene	U		0.000823	0.00298	1	09/17/2019 18:04	WG1347115
trans-1,2-Dichloroethene	U		0.00171	0.00596	1	09/17/2019 18:04	WG1347115
1,2-Dichloropropane	U		0.00151	0.00596	1	09/17/2019 18:04	WG1347115
1,1-Dichloropropene	U		0.000835	0.00298	1	09/17/2019 18:04	WG1347115
1,3-Dichloropropane	U		0.00209	0.00596	1	09/17/2019 18:04	WG1347115
cis-1,3-Dichloropropene	U		0.000809	0.00298	1	09/17/2019 18:04	WG1347115
trans-1,3-Dichloropropene	U		0.00182	0.00596	1	09/17/2019 18:04	WG1347115
trans-1,4-Dichloro-2-butene	U		0.00167	0.00596	1	09/17/2019 18:04	WG1347115
2,2-Dichloropropane	U		0.000946	0.00298	1	09/17/2019 18:04	WG1347115
Di-isopropyl ether	U		0.000417	0.00119	1	09/17/2019 18:04	WG1347115
Ethylbenzene	U		0.000632	0.00298	1	09/17/2019 18:04	WG1347115
Hexachloro-1,3-butadiene	U		0.0151	0.0298	1	09/17/2019 18:04	WG1347115
2-Hexanone	U		0.0119	0.0298	1	09/17/2019 18:04	WG1347115
n-Hexane	0.00406	J	0.00126	0.00596	1	09/17/2019 18:04	WG1347115
Iodomethane	U		0.00721	0.0149	1	09/17/2019 18:04	WG1347115
Isopropylbenzene	U		0.00103	0.00298	1	09/17/2019 18:04	WG1347115
p-Isopropyltoluene	U		0.00278	0.00596	1	09/17/2019 18:04	WG1347115
2-Butanone (MEK)	U		0.0149	0.0298	1	09/17/2019 18:04	WG1347115
Methylene Chloride	0.00885	J	0.00792	0.0298	1	09/17/2019 18:04	WG1347115
4-Methyl-2-pentanone (MIBK)	U		0.0119	0.0298	1	09/17/2019 18:04	WG1347115

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000352	0.00119	1	09/17/2019 18:04	WG1347115
Naphthalene	U		0.00372	0.0149	1	09/17/2019 18:04	WG1347115
n-Propylbenzene	U		0.00141	0.00596	1	09/17/2019 18:04	WG1347115
Styrene	U		0.00326	0.0149	1	09/17/2019 18:04	WG1347115
1,1,1,2-Tetrachloroethane	U		0.000596	0.00298	1	09/17/2019 18:04	WG1347115
1,1,2,2-Tetrachloroethane	U		0.000465	0.00298	1	09/17/2019 18:04	WG1347115
1,1,2-Trichlorotrifluoroethane	U		0.000805	0.00298	1	09/17/2019 18:04	WG1347115
Tetrachloroethene	U		0.000835	0.00298	1	09/17/2019 18:04	WG1347115
Toluene	0.00812		0.00149	0.00596	1	09/17/2019 18:04	WG1347115
1,2,3-Trichlorobenzene	U		0.000745	0.00298	1	09/17/2019 18:04	WG1347115
1,2,4-Trichlorobenzene	U		0.00575	0.0149	1	09/17/2019 18:04	WG1347115
1,1,1-Trichloroethane	U		0.000328	0.00298	1	09/17/2019 18:04	WG1347115
1,1,2-Trichloroethane	U		0.00105	0.00298	1	09/17/2019 18:04	WG1347115
Trichloroethene	U		0.000477	0.00119	1	09/17/2019 18:04	WG1347115
Trichlorofluoromethane	0.00319		0.000596	0.00298	1	09/17/2019 18:04	WG1347115
1,2,3-Trichloropropane	U		0.00608	0.0149	1	09/17/2019 18:04	WG1347115
1,2,4-Trimethylbenzene	U		0.00138	0.00596	1	09/17/2019 18:04	WG1347115
1,2,3-Trimethylbenzene	U		0.00137	0.00596	1	09/17/2019 18:04	WG1347115
1,3,5-Trimethylbenzene	U		0.00129	0.00596	1	09/17/2019 18:04	WG1347115
Vinyl acetate	U		0.00420	0.0149	1	09/17/2019 18:04	WG1347115
Vinyl chloride	U		0.000815	0.00298	1	09/17/2019 18:04	WG1347115
Xylenes, Total	U		0.00570	0.00775	1	09/17/2019 18:04	WG1347115
(S) Toluene-d8	*104*			*75.0-131*		*09/17/2019 18:04*	WG1347115
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*09/17/2019 18:04*	WG1347115
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*09/17/2019 18:04*	WG1347115

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.0		1	09/18/2019 13:22	WG1347351

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3	0.0165	0.0301	1	09/17/2019 18:24	WG1347115
Acrylonitrile	U		0.00229	0.0151	1	09/17/2019 18:24	WG1347115
Benzene	U		0.000482	0.00120	1	09/17/2019 18:24	WG1347115
Bromobenzene	U		0.00126	0.0151	1	09/17/2019 18:24	WG1347115
Bromodichloromethane	U		0.000949	0.00301	1	09/17/2019 18:24	WG1347115
Bromochloromethane	U		0.00136	0.00602	1	09/17/2019 18:24	WG1347115
Bromoform	U		0.00720	0.0301	1	09/17/2019 18:24	WG1347115
Bromomethane	U		0.00446	0.0151	1	09/17/2019 18:24	WG1347115
n-Butylbenzene	U		0.00462	0.0151	1	09/17/2019 18:24	WG1347115
sec-Butylbenzene	U		0.00305	0.0151	1	09/17/2019 18:24	WG1347115
tert-Butylbenzene	U		0.00187	0.00602	1	09/17/2019 18:24	WG1347115
Carbon disulfide	U		0.00489	0.0151	1	09/17/2019 18:24	WG1347115
Carbon tetrachloride	U		0.00130	0.00602	1	09/17/2019 18:24	WG1347115
Chlorobenzene	U		0.000690	0.00301	1	09/17/2019 18:24	WG1347115
Chlorodibromomethane	U		0.000542	0.00301	1	09/17/2019 18:24	WG1347115
Chloroethane	U		0.00130	0.00602	1	09/17/2019 18:24	WG1347115
Chloroform	0.000914	J	0.000500	0.00301	1	09/17/2019 18:24	WG1347115
Chloromethane	U		0.00167	0.0151	1	09/17/2019 18:24	WG1347115
2-Chlorotoluene	U		0.00111	0.00301	1	09/17/2019 18:24	WG1347115
4-Chlorotoluene	U		0.00136	0.00602	1	09/17/2019 18:24	WG1347115
1,2-Dibromo-3-Chloropropane	U		0.00614	0.0301	1	09/17/2019 18:24	WG1347115
1,2-Dibromoethane	U		0.000632	0.00301	1	09/17/2019 18:24	WG1347115
Dibromomethane	U		0.00120	0.00602	1	09/17/2019 18:24	WG1347115
1,2-Dichlorobenzene	U		0.00175	0.00602	1	09/17/2019 18:24	WG1347115
1,3-Dichlorobenzene	U		0.00205	0.00602	1	09/17/2019 18:24	WG1347115
1,4-Dichlorobenzene	U		0.00237	0.00602	1	09/17/2019 18:24	WG1347115
Dichlorodifluoromethane	U		0.000985	0.00301	1	09/17/2019 18:24	WG1347115
1,1-Dichloroethane	U		0.000693	0.00301	1	09/17/2019 18:24	WG1347115
1,2-Dichloroethane	U		0.000572	0.00301	1	09/17/2019 18:24	WG1347115
1,1-Dichloroethene	U		0.000602	0.00301	1	09/17/2019 18:24	WG1347115
cis-1,2-Dichloroethene	0.0617		0.000831	0.00301	1	09/17/2019 18:24	WG1347115
trans-1,2-Dichloroethene	U		0.00172	0.00602	1	09/17/2019 18:24	WG1347115
1,2-Dichloropropane	U		0.00153	0.00602	1	09/17/2019 18:24	WG1347115
1,1-Dichloropropene	U		0.000843	0.00301	1	09/17/2019 18:24	WG1347115
1,3-Dichloropropane	U		0.00211	0.00602	1	09/17/2019 18:24	WG1347115
cis-1,3-Dichloropropene	U		0.000817	0.00301	1	09/17/2019 18:24	WG1347115
trans-1,3-Dichloropropene	U		0.00184	0.00602	1	09/17/2019 18:24	WG1347115
trans-1,4-Dichloro-2-butene	U		0.00169	0.00602	1	09/17/2019 18:24	WG1347115
2,2-Dichloropropane	U		0.000955	0.00301	1	09/17/2019 18:24	WG1347115
Di-isopropyl ether	U		0.000422	0.00120	1	09/17/2019 18:24	WG1347115
Ethylbenzene	U		0.000638	0.00301	1	09/17/2019 18:24	WG1347115
Hexachloro-1,3-butadiene	U		0.0153	0.0301	1	09/17/2019 18:24	WG1347115
2-Hexanone	U		0.0120	0.0301	1	09/17/2019 18:24	WG1347115
n-Hexane	0.00229	J	0.00128	0.00602	1	09/17/2019 18:24	WG1347115
Iodomethane	U		0.00729	0.0151	1	09/17/2019 18:24	WG1347115
Isopropylbenzene	U		0.00104	0.00301	1	09/17/2019 18:24	WG1347115
p-Isopropyltoluene	U		0.00281	0.00602	1	09/17/2019 18:24	WG1347115
2-Butanone (MEK)	U		0.0151	0.0301	1	09/17/2019 18:24	WG1347115
Methylene Chloride	0.00974	J	0.00800	0.0301	1	09/17/2019 18:24	WG1347115
4-Methyl-2-pentanone (MIBK)	U		0.0120	0.0301	1	09/17/2019 18:24	WG1347115

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000355	0.00120	1	09/17/2019 18:24	WG1347115
Naphthalene	U		0.00376	0.0151	1	09/17/2019 18:24	WG1347115
n-Propylbenzene	U		0.00142	0.00602	1	09/17/2019 18:24	WG1347115
Styrene	U		0.00329	0.0151	1	09/17/2019 18:24	WG1347115
1,1,1,2-Tetrachloroethane	U		0.000602	0.00301	1	09/17/2019 18:24	WG1347115
1,1,2,2-Tetrachloroethane	U		0.000470	0.00301	1	09/17/2019 18:24	WG1347115
1,1,2-Trichlorotrifluoroethane	U		0.000813	0.00301	1	09/17/2019 18:24	WG1347115
Tetrachloroethene	U		0.000843	0.00301	1	09/17/2019 18:24	WG1347115
Toluene	0.00790		0.00151	0.00602	1	09/17/2019 18:24	WG1347115
1,2,3-Trichlorobenzene	U		0.000753	0.00301	1	09/17/2019 18:24	WG1347115
1,2,4-Trichlorobenzene	U		0.00581	0.0151	1	09/17/2019 18:24	WG1347115
1,1,1-Trichloroethane	U		0.000331	0.00301	1	09/17/2019 18:24	WG1347115
1,1,2-Trichloroethane	U		0.00106	0.00301	1	09/17/2019 18:24	WG1347115
Trichloroethene	0.00169		0.000482	0.00120	1	09/17/2019 18:24	WG1347115
Trichlorofluoromethane	0.00224	J	0.000602	0.00301	1	09/17/2019 18:24	WG1347115
1,2,3-Trichloropropane	U		0.00614	0.0151	1	09/17/2019 18:24	WG1347115
1,2,4-Trimethylbenzene	U		0.00140	0.00602	1	09/17/2019 18:24	WG1347115
1,2,3-Trimethylbenzene	U		0.00139	0.00602	1	09/17/2019 18:24	WG1347115
1,3,5-Trimethylbenzene	U		0.00130	0.00602	1	09/17/2019 18:24	WG1347115
Vinyl acetate	U		0.00424	0.0151	1	09/17/2019 18:24	WG1347115
Vinyl chloride	U		0.000823	0.00301	1	09/17/2019 18:24	WG1347115
Xylenes, Total	U		0.00576	0.00783	1	09/17/2019 18:24	WG1347115
(S) Toluene-d8	*105*			*75.0-131*		*09/17/2019 18:24*	WG1347115
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/17/2019 18:24*	WG1347115
(S) 1,2-Dichloroethane-d4	*99.4*			*70.0-130*		*09/17/2019 18:24*	WG1347115

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.5		1	09/18/2019 13:22	WG1347351

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3	0.0157	0.0286	1	09/17/2019 18:44	WG1347115
Acrylonitrile	U		0.00217	0.0143	1	09/17/2019 18:44	WG1347115
Benzene	U		0.000457	0.00114	1	09/17/2019 18:44	WG1347115
Bromobenzene	U		0.00120	0.0143	1	09/17/2019 18:44	WG1347115
Bromodichloromethane	U		0.000901	0.00286	1	09/17/2019 18:44	WG1347115
Bromochloromethane	U		0.00129	0.00572	1	09/17/2019 18:44	WG1347115
Bromoform	U		0.00684	0.0286	1	09/17/2019 18:44	WG1347115
Bromomethane	U		0.00423	0.0143	1	09/17/2019 18:44	WG1347115
n-Butylbenzene	U		0.00439	0.0143	1	09/17/2019 18:44	WG1347115
sec-Butylbenzene	U		0.00289	0.0143	1	09/17/2019 18:44	WG1347115
tert-Butylbenzene	U		0.00177	0.00572	1	09/17/2019 18:44	WG1347115
Carbon disulfide	U		0.00464	0.0143	1	09/17/2019 18:44	WG1347115
Carbon tetrachloride	U		0.00123	0.00572	1	09/17/2019 18:44	WG1347115
Chlorobenzene	U		0.000655	0.00286	1	09/17/2019 18:44	WG1347115
Chlorodibromomethane	U		0.000514	0.00286	1	09/17/2019 18:44	WG1347115
Chloroethane	U		0.00123	0.00572	1	09/17/2019 18:44	WG1347115
Chloroform	U		0.000474	0.00286	1	09/17/2019 18:44	WG1347115
Chloromethane	U		0.00159	0.0143	1	09/17/2019 18:44	WG1347115
2-Chlorotoluene	U		0.00105	0.00286	1	09/17/2019 18:44	WG1347115
4-Chlorotoluene	U		0.00129	0.00572	1	09/17/2019 18:44	WG1347115
1,2-Dibromo-3-Chloropropane	U		0.00583	0.0286	1	09/17/2019 18:44	WG1347115
1,2-Dibromoethane	U		0.000600	0.00286	1	09/17/2019 18:44	WG1347115
Dibromomethane	U		0.00114	0.00572	1	09/17/2019 18:44	WG1347115
1,2-Dichlorobenzene	U		0.00166	0.00572	1	09/17/2019 18:44	WG1347115
1,3-Dichlorobenzene	U		0.00194	0.00572	1	09/17/2019 18:44	WG1347115
1,4-Dichlorobenzene	U		0.00225	0.00572	1	09/17/2019 18:44	WG1347115
Dichlorodifluoromethane	U		0.000935	0.00286	1	09/17/2019 18:44	WG1347115
1,1-Dichloroethane	U		0.000657	0.00286	1	09/17/2019 18:44	WG1347115
1,2-Dichloroethane	U		0.000543	0.00286	1	09/17/2019 18:44	WG1347115
1,1-Dichloroethene	U		0.000572	0.00286	1	09/17/2019 18:44	WG1347115
cis-1,2-Dichloroethene	0.00570		0.000789	0.00286	1	09/17/2019 18:44	WG1347115
trans-1,2-Dichloroethene	U		0.00163	0.00572	1	09/17/2019 18:44	WG1347115
1,2-Dichloropropane	U		0.00145	0.00572	1	09/17/2019 18:44	WG1347115
1,1-Dichloropropene	U		0.000800	0.00286	1	09/17/2019 18:44	WG1347115
1,3-Dichloropropane	U		0.00200	0.00572	1	09/17/2019 18:44	WG1347115
cis-1,3-Dichloropropene	U		0.000775	0.00286	1	09/17/2019 18:44	WG1347115
trans-1,3-Dichloropropene	U		0.00175	0.00572	1	09/17/2019 18:44	WG1347115
trans-1,4-Dichloro-2-butene	U		0.00160	0.00572	1	09/17/2019 18:44	WG1347115
2,2-Dichloropropane	U		0.000907	0.00286	1	09/17/2019 18:44	WG1347115
Di-isopropyl ether	U		0.000400	0.00114	1	09/17/2019 18:44	WG1347115
Ethylbenzene	U		0.000606	0.00286	1	09/17/2019 18:44	WG1347115
Hexachloro-1,3-butadiene	U		0.0145	0.0286	1	09/17/2019 18:44	WG1347115
2-Hexanone	U		0.0114	0.0286	1	09/17/2019 18:44	WG1347115
n-Hexane	U		0.00121	0.00572	1	09/17/2019 18:44	WG1347115
Iodomethane	U		0.00692	0.0143	1	09/17/2019 18:44	WG1347115
Isopropylbenzene	U		0.000987	0.00286	1	09/17/2019 18:44	WG1347115
p-Isopropyltoluene	U		0.00266	0.00572	1	09/17/2019 18:44	WG1347115
2-Butanone (MEK)	0.0161	J	0.0143	0.0286	1	09/17/2019 18:44	WG1347115
Methylene Chloride	0.0118	J	0.00759	0.0286	1	09/17/2019 18:44	WG1347115
4-Methyl-2-pentanone (MIBK)	U		0.0114	0.0286	1	09/17/2019 18:44	WG1347115

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000337	0.00114	1	09/17/2019 18:44	WG1347115
Naphthalene	U		0.00357	0.0143	1	09/17/2019 18:44	WG1347115
n-Propylbenzene	U		0.00135	0.00572	1	09/17/2019 18:44	WG1347115
Styrene	U		0.00312	0.0143	1	09/17/2019 18:44	WG1347115
1,1,1,2-Tetrachloroethane	U		0.000572	0.00286	1	09/17/2019 18:44	WG1347115
1,1,2,2-Tetrachloroethane	U		0.000446	0.00286	1	09/17/2019 18:44	WG1347115
1,1,2-Trichlorotrifluoroethane	U		0.000772	0.00286	1	09/17/2019 18:44	WG1347115
Tetrachloroethene	0.101	J0	0.000800	0.00286	1	09/17/2019 18:44	WG1347115
Toluene	0.00480	J	0.00143	0.00572	1	09/17/2019 18:44	WG1347115
1,2,3-Trichlorobenzene	U		0.000715	0.00286	1	09/17/2019 18:44	WG1347115
1,2,4-Trichlorobenzene	U		0.00551	0.0143	1	09/17/2019 18:44	WG1347115
1,1,1-Trichloroethane	U		0.000314	0.00286	1	09/17/2019 18:44	WG1347115
1,1,2-Trichloroethane	U		0.00101	0.00286	1	09/17/2019 18:44	WG1347115
Trichloroethene	0.0145		0.000457	0.00114	1	09/17/2019 18:44	WG1347115
Trichlorofluoromethane	0.00227	J	0.000572	0.00286	1	09/17/2019 18:44	WG1347115
1,2,3-Trichloropropane	U		0.00583	0.0143	1	09/17/2019 18:44	WG1347115
1,2,4-Trimethylbenzene	U		0.00133	0.00572	1	09/17/2019 18:44	WG1347115
1,2,3-Trimethylbenzene	U		0.00131	0.00572	1	09/17/2019 18:44	WG1347115
1,3,5-Trimethylbenzene	U		0.00123	0.00572	1	09/17/2019 18:44	WG1347115
Vinyl acetate	U		0.00402	0.0143	1	09/17/2019 18:44	WG1347115
Vinyl chloride	U		0.000781	0.00286	1	09/17/2019 18:44	WG1347115
Xylenes, Total	U		0.00546	0.00743	1	09/17/2019 18:44	WG1347115
(S) Toluene-d8	*103*			*75.0-131*		*09/17/2019 18:44*	WG1347115
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*09/17/2019 18:44*	WG1347115
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*09/17/2019 18:44*	WG1347115

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.2		1	09/18/2019 13:22	WG1347351

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0280	J J0 J3	0.0167	0.0304	1	09/17/2019 19:05	WG1347115
Acrylonitrile	U		0.00231	0.0152	1	09/17/2019 19:05	WG1347115
Benzene	U		0.000487	0.00122	1	09/17/2019 19:05	WG1347115
Bromobenzene	U		0.00128	0.0152	1	09/17/2019 19:05	WG1347115
Bromodichloromethane	U		0.000959	0.00304	1	09/17/2019 19:05	WG1347115
Bromochloromethane	U		0.00137	0.00608	1	09/17/2019 19:05	WG1347115
Bromoform	U		0.00727	0.0304	1	09/17/2019 19:05	WG1347115
Bromomethane	U		0.00450	0.0152	1	09/17/2019 19:05	WG1347115
n-Butylbenzene	U		0.00467	0.0152	1	09/17/2019 19:05	WG1347115
sec-Butylbenzene	U		0.00308	0.0152	1	09/17/2019 19:05	WG1347115
tert-Butylbenzene	U		0.00189	0.00608	1	09/17/2019 19:05	WG1347115
Carbon disulfide	U		0.00494	0.0152	1	09/17/2019 19:05	WG1347115
Carbon tetrachloride	U		0.00131	0.00608	1	09/17/2019 19:05	WG1347115
Chlorobenzene	U		0.000697	0.00304	1	09/17/2019 19:05	WG1347115
Chlorodibromomethane	U		0.000547	0.00304	1	09/17/2019 19:05	WG1347115
Chloroethane	U		0.00131	0.00608	1	09/17/2019 19:05	WG1347115
Chloroform	U		0.000505	0.00304	1	09/17/2019 19:05	WG1347115
Chloromethane	U		0.00169	0.0152	1	09/17/2019 19:05	WG1347115
2-Chlorotoluene	U		0.00112	0.00304	1	09/17/2019 19:05	WG1347115
4-Chlorotoluene	U		0.00137	0.00608	1	09/17/2019 19:05	WG1347115
1,2-Dibromo-3-Chloropropane	U		0.00620	0.0304	1	09/17/2019 19:05	WG1347115
1,2-Dibromoethane	U		0.000639	0.00304	1	09/17/2019 19:05	WG1347115
Dibromomethane	U		0.00122	0.00608	1	09/17/2019 19:05	WG1347115
1,2-Dichlorobenzene	U		0.00176	0.00608	1	09/17/2019 19:05	WG1347115
1,3-Dichlorobenzene	U		0.00207	0.00608	1	09/17/2019 19:05	WG1347115
1,4-Dichlorobenzene	U		0.00240	0.00608	1	09/17/2019 19:05	WG1347115
Dichlorodifluoromethane	U		0.000995	0.00304	1	09/17/2019 19:05	WG1347115
1,1-Dichloroethane	U		0.000699	0.00304	1	09/17/2019 19:05	WG1347115
1,2-Dichloroethane	U		0.000578	0.00304	1	09/17/2019 19:05	WG1347115
1,1-Dichloroethene	U		0.000608	0.00304	1	09/17/2019 19:05	WG1347115
cis-1,2-Dichloroethene	0.0150		0.000839	0.00304	1	09/17/2019 19:05	WG1347115
trans-1,2-Dichloroethene	U		0.00174	0.00608	1	09/17/2019 19:05	WG1347115
1,2-Dichloropropane	U		0.00154	0.00608	1	09/17/2019 19:05	WG1347115
1,1-Dichloropropene	U		0.000852	0.00304	1	09/17/2019 19:05	WG1347115
1,3-Dichloropropane	U		0.00213	0.00608	1	09/17/2019 19:05	WG1347115
cis-1,3-Dichloropropene	U		0.000825	0.00304	1	09/17/2019 19:05	WG1347115
trans-1,3-Dichloropropene	U		0.00186	0.00608	1	09/17/2019 19:05	WG1347115
trans-1,4-Dichloro-2-butene	U		0.00170	0.00608	1	09/17/2019 19:05	WG1347115
2,2-Dichloropropane	U		0.000965	0.00304	1	09/17/2019 19:05	WG1347115
Di-isopropyl ether	U		0.000426	0.00122	1	09/17/2019 19:05	WG1347115
Ethylbenzene	U		0.000645	0.00304	1	09/17/2019 19:05	WG1347115
Hexachloro-1,3-butadiene	U		0.0154	0.0304	1	09/17/2019 19:05	WG1347115
2-Hexanone	U		0.0122	0.0304	1	09/17/2019 19:05	WG1347115
n-Hexane	0.00564	J	0.00129	0.00608	1	09/17/2019 19:05	WG1347115
Iodomethane	U		0.00736	0.0152	1	09/17/2019 19:05	WG1347115
Isopropylbenzene	U		0.00105	0.00304	1	09/17/2019 19:05	WG1347115
p-Isopropyltoluene	U		0.00283	0.00608	1	09/17/2019 19:05	WG1347115
2-Butanone (MEK)	U		0.0152	0.0304	1	09/17/2019 19:05	WG1347115
Methylene Chloride	0.0149	J	0.00808	0.0304	1	09/17/2019 19:05	WG1347115
4-Methyl-2-pentanone (MIBK)	U		0.0122	0.0304	1	09/17/2019 19:05	WG1347115

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000359	0.00122	1	09/17/2019 19:05	WG1347115
Naphthalene	U		0.00380	0.0152	1	09/17/2019 19:05	WG1347115
n-Propylbenzene	U		0.00144	0.00608	1	09/17/2019 19:05	WG1347115
Styrene	U		0.00332	0.0152	1	09/17/2019 19:05	WG1347115
1,1,1,2-Tetrachloroethane	U		0.000608	0.00304	1	09/17/2019 19:05	WG1347115
1,1,2,2-Tetrachloroethane	U		0.000474	0.00304	1	09/17/2019 19:05	WG1347115
1,1,2-Trichlorotrifluoroethane	U		0.000821	0.00304	1	09/17/2019 19:05	WG1347115
Tetrachloroethene	0.00106	J JO	0.000852	0.00304	1	09/17/2019 19:05	WG1347115
Toluene	0.0143		0.00152	0.00608	1	09/17/2019 19:05	WG1347115
1,2,3-Trichlorobenzene	U		0.000760	0.00304	1	09/17/2019 19:05	WG1347115
1,2,4-Trichlorobenzene	U		0.00586	0.0152	1	09/17/2019 19:05	WG1347115
1,1,1-Trichloroethane	U		0.000335	0.00304	1	09/17/2019 19:05	WG1347115
1,1,2-Trichloroethane	U		0.00107	0.00304	1	09/17/2019 19:05	WG1347115
Trichloroethene	U		0.000487	0.00122	1	09/17/2019 19:05	WG1347115
Trichlorofluoromethane	0.00346		0.000608	0.00304	1	09/17/2019 19:05	WG1347115
1,2,3-Trichloropropane	U		0.00620	0.0152	1	09/17/2019 19:05	WG1347115
1,2,4-Trimethylbenzene	U		0.00141	0.00608	1	09/17/2019 19:05	WG1347115
1,2,3-Trimethylbenzene	U		0.00140	0.00608	1	09/17/2019 19:05	WG1347115
1,3,5-Trimethylbenzene	U		0.00131	0.00608	1	09/17/2019 19:05	WG1347115
Vinyl acetate	U		0.00428	0.0152	1	09/17/2019 19:05	WG1347115
Vinyl chloride	U		0.000831	0.00304	1	09/17/2019 19:05	WG1347115
Xylenes, Total	U		0.00581	0.00791	1	09/17/2019 19:05	WG1347115
(S) Toluene-d8	*107*			*75.0-131*		*09/17/2019 19:05*	WG1347115
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/17/2019 19:05*	WG1347115
(S) 1,2-Dichloroethane-d4	*94.1*			*70.0-130*		*09/17/2019 19:05*	WG1347115

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.0		1	09/18/2019 13:22	WG1347351

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0283		0.0149	0.0272	1	09/19/2019 12:37	WG1348265
Acrylonitrile	U		0.00206	0.0136	1	09/19/2019 12:37	WG1348265
Benzene	U		0.000435	0.00109	1	09/19/2019 12:37	WG1348265
Bromobenzene	U		0.00114	0.0136	1	09/19/2019 12:37	WG1348265
Bromodichloromethane	U		0.000856	0.00272	1	09/19/2019 12:37	WG1348265
Bromochloromethane	U		0.00123	0.00543	1	09/19/2019 12:37	WG1348265
Bromoform	U		0.00650	0.0272	1	09/19/2019 12:37	WG1348265
Bromomethane	U		0.00402	0.0136	1	09/19/2019 12:37	WG1348265
n-Butylbenzene	U		0.00417	0.0136	1	09/19/2019 12:37	WG1348265
sec-Butylbenzene	U		0.00275	0.0136	1	09/19/2019 12:37	WG1348265
tert-Butylbenzene	U		0.00168	0.00543	1	09/19/2019 12:37	WG1348265
Carbon disulfide	U		0.00441	0.0136	1	09/19/2019 12:37	WG1348265
Carbon tetrachloride	U		0.00117	0.00543	1	09/19/2019 12:37	WG1348265
Chlorobenzene	U		0.000623	0.00272	1	09/19/2019 12:37	WG1348265
Chlorodibromomethane	U		0.000489	0.00272	1	09/19/2019 12:37	WG1348265
Chloroethane	U		0.00117	0.00543	1	09/19/2019 12:37	WG1348265
Chloroform	0.000525	B J	0.000451	0.00272	1	09/19/2019 12:37	WG1348265
Chloromethane	U		0.00151	0.0136	1	09/19/2019 12:37	WG1348265
2-Chlorotoluene	U		0.00100	0.00272	1	09/19/2019 12:37	WG1348265
4-Chlorotoluene	U		0.00123	0.00543	1	09/19/2019 12:37	WG1348265
1,2-Dibromo-3-Chloropropane	U	J0	0.00554	0.0272	1	09/19/2019 12:37	WG1348265
1,2-Dibromoethane	U		0.000571	0.00272	1	09/19/2019 12:37	WG1348265
Dibromomethane	U		0.00109	0.00543	1	09/19/2019 12:37	WG1348265
1,2-Dichlorobenzene	U		0.00158	0.00543	1	09/19/2019 12:37	WG1348265
1,3-Dichlorobenzene	U		0.00185	0.00543	1	09/19/2019 12:37	WG1348265
1,4-Dichlorobenzene	U		0.00214	0.00543	1	09/19/2019 12:37	WG1348265
Dichlorodifluoromethane	U		0.000889	0.00272	1	09/19/2019 12:37	WG1348265
1,1-Dichloroethane	U		0.000625	0.00272	1	09/19/2019 12:37	WG1348265
1,2-Dichloroethane	U		0.000516	0.00272	1	09/19/2019 12:37	WG1348265
1,1-Dichloroethene	U		0.000543	0.00272	1	09/19/2019 12:37	WG1348265
cis-1,2-Dichloroethene	0.00433		0.000750	0.00272	1	09/19/2019 12:37	WG1348265
trans-1,2-Dichloroethene	U		0.00155	0.00543	1	09/19/2019 12:37	WG1348265
1,2-Dichloropropane	U		0.00138	0.00543	1	09/19/2019 12:37	WG1348265
1,1-Dichloropropene	U		0.000761	0.00272	1	09/19/2019 12:37	WG1348265
1,3-Dichloropropane	U		0.00190	0.00543	1	09/19/2019 12:37	WG1348265
cis-1,3-Dichloropropene	U		0.000737	0.00272	1	09/19/2019 12:37	WG1348265
trans-1,3-Dichloropropene	U		0.00166	0.00543	1	09/19/2019 12:37	WG1348265
trans-1,4-Dichloro-2-butene	U		0.00152	0.00543	1	09/19/2019 12:37	WG1348265
2,2-Dichloropropane	U		0.000862	0.00272	1	09/19/2019 12:37	WG1348265
Di-isopropyl ether	U		0.000380	0.00109	1	09/19/2019 12:37	WG1348265
Ethylbenzene	U		0.000576	0.00272	1	09/19/2019 12:37	WG1348265
Hexachloro-1,3-butadiene	U		0.0138	0.0272	1	09/19/2019 12:37	WG1348265
2-Hexanone	U		0.0109	0.0272	1	09/19/2019 12:37	WG1348265
n-Hexane	U		0.00115	0.00543	1	09/19/2019 12:37	WG1348265
Iodomethane	U		0.00658	0.0136	1	09/19/2019 12:37	WG1348265
Isopropylbenzene	U		0.000938	0.00272	1	09/19/2019 12:37	WG1348265
p-Isopropyltoluene	U		0.00253	0.00543	1	09/19/2019 12:37	WG1348265
2-Butanone (MEK)	0.0221	B J	0.0136	0.0272	1	09/19/2019 12:37	WG1348265
Methylene Chloride	0.0105	J	0.00722	0.0272	1	09/19/2019 12:37	WG1348265
4-Methyl-2-pentanone (MIBK)	U		0.0109	0.0272	1	09/19/2019 12:37	WG1348265

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

Analyte	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	09/19/2019 12:37	WG1348265
Naphthalene	U		0.00339	0.0136	1	09/19/2019 12:37	WG1348265
n-Propylbenzene	U		0.00128	0.00543	1	09/19/2019 12:37	WG1348265
Styrene	U		0.00297	0.0136	1	09/19/2019 12:37	WG1348265
1,1,1,2-Tetrachloroethane	U		0.000543	0.00272	1	09/19/2019 12:37	WG1348265
1,1,2,2-Tetrachloroethane	U		0.000424	0.00272	1	09/19/2019 12:37	WG1348265
1,1,2-Trichlorotrifluoroethane	U		0.000734	0.00272	1	09/19/2019 12:37	WG1348265
Tetrachloroethene	U		0.000761	0.00272	1	09/19/2019 12:37	WG1348265
Toluene	0.00380	J	0.00136	0.00543	1	09/19/2019 12:37	WG1348265
1,2,3-Trichlorobenzene	U		0.000679	0.00272	1	09/19/2019 12:37	WG1348265
1,2,4-Trichlorobenzene	U		0.00524	0.0136	1	09/19/2019 12:37	WG1348265
1,1,1-Trichloroethane	U		0.000299	0.00272	1	09/19/2019 12:37	WG1348265
1,1,2-Trichloroethane	U		0.000960	0.00272	1	09/19/2019 12:37	WG1348265
Trichloroethene	U		0.000435	0.00109	1	09/19/2019 12:37	WG1348265
Trichlorofluoromethane	U		0.000543	0.00272	1	09/19/2019 12:37	WG1348265
1,2,3-Trichloropropane	U		0.00554	0.0136	1	09/19/2019 12:37	WG1348265
1,2,4-Trimethylbenzene	U		0.00126	0.00543	1	09/19/2019 12:37	WG1348265
1,2,3-Trimethylbenzene	U		0.00125	0.00543	1	09/19/2019 12:37	WG1348265
1,3,5-Trimethylbenzene	U		0.00117	0.00543	1	09/19/2019 12:37	WG1348265
Vinyl acetate	U		0.00383	0.0136	1	09/19/2019 12:37	WG1348265
Vinyl chloride	U		0.000742	0.00272	1	09/19/2019 12:37	WG1348265
Xylenes, Total	U		0.00520	0.00706	1	09/19/2019 12:37	WG1348265
(S) Toluene-d8	*107*			*75.0-131*		*09/19/2019 12:37*	WG1348265
(S) 4-Bromofluorobenzene	*98.5*			*67.0-138*		*09/19/2019 12:37*	WG1348265
(S) 1,2-Dichloroethane-d4	*95.0*			*70.0-130*		*09/19/2019 12:37*	WG1348265

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.3		1	09/18/2019 13:22	WG1347351

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0224	J	0.0159	0.0290	1	09/18/2019 08:22	WG1347118
Acrylonitrile	U		0.00220	0.0145	1	09/18/2019 08:22	WG1347118
Benzene	0.000517	J	0.000464	0.00116	1	09/18/2019 08:22	WG1347118
Bromobenzene	U		0.00122	0.0145	1	09/18/2019 08:22	WG1347118
Bromodichloromethane	U		0.000913	0.00290	1	09/18/2019 08:22	WG1347118
Bromochloromethane	U		0.00131	0.00580	1	09/18/2019 08:22	WG1347118
Bromoform	U		0.00693	0.0290	1	09/18/2019 08:22	WG1347118
Bromomethane	U		0.00429	0.0145	1	09/18/2019 08:22	WG1347118
n-Butylbenzene	U		0.00445	0.0145	1	09/18/2019 08:22	WG1347118
sec-Butylbenzene	U		0.00293	0.0145	1	09/18/2019 08:22	WG1347118
tert-Butylbenzene	U		0.00180	0.00580	1	09/18/2019 08:22	WG1347118
Carbon disulfide	U		0.00471	0.0145	1	09/18/2019 08:22	WG1347118
Carbon tetrachloride	U		0.00125	0.00580	1	09/18/2019 08:22	WG1347118
Chlorobenzene	U		0.000664	0.00290	1	09/18/2019 08:22	WG1347118
Chlorodibromomethane	U		0.000522	0.00290	1	09/18/2019 08:22	WG1347118
Chloroethane	U		0.00125	0.00580	1	09/18/2019 08:22	WG1347118
Chloroform	U		0.000481	0.00290	1	09/18/2019 08:22	WG1347118
Chloromethane	U		0.00161	0.0145	1	09/18/2019 08:22	WG1347118
2-Chlorotoluene	U		0.00107	0.00290	1	09/18/2019 08:22	WG1347118
4-Chlorotoluene	U		0.00131	0.00580	1	09/18/2019 08:22	WG1347118
1,2-Dibromo-3-Chloropropane	U	J0	0.00591	0.0290	1	09/18/2019 08:22	WG1347118
1,2-Dibromoethane	U		0.000609	0.00290	1	09/18/2019 08:22	WG1347118
Dibromomethane	U		0.00116	0.00580	1	09/18/2019 08:22	WG1347118
1,2-Dichlorobenzene	U		0.00168	0.00580	1	09/18/2019 08:22	WG1347118
1,3-Dichlorobenzene	U		0.00197	0.00580	1	09/18/2019 08:22	WG1347118
1,4-Dichlorobenzene	U		0.00228	0.00580	1	09/18/2019 08:22	WG1347118
Dichlorodifluoromethane	U		0.000948	0.00290	1	09/18/2019 08:22	WG1347118
1,1-Dichloroethane	U		0.000667	0.00290	1	09/18/2019 08:22	WG1347118
1,2-Dichloroethane	U		0.000551	0.00290	1	09/18/2019 08:22	WG1347118
1,1-Dichloroethene	U		0.000580	0.00290	1	09/18/2019 08:22	WG1347118
cis-1,2-Dichloroethene	0.00508		0.000800	0.00290	1	09/18/2019 08:22	WG1347118
trans-1,2-Dichloroethene	U		0.00166	0.00580	1	09/18/2019 08:22	WG1347118
1,2-Dichloropropane	U		0.00147	0.00580	1	09/18/2019 08:22	WG1347118
1,1-Dichloropropene	U		0.000811	0.00290	1	09/18/2019 08:22	WG1347118
1,3-Dichloropropane	U		0.00203	0.00580	1	09/18/2019 08:22	WG1347118
cis-1,3-Dichloropropene	U		0.000786	0.00290	1	09/18/2019 08:22	WG1347118
trans-1,3-Dichloropropene	U		0.00177	0.00580	1	09/18/2019 08:22	WG1347118
trans-1,4-Dichloro-2-butene	U	J0	0.00162	0.00580	1	09/18/2019 08:22	WG1347118
2,2-Dichloropropane	U		0.000919	0.00290	1	09/18/2019 08:22	WG1347118
Di-isopropyl ether	U		0.000406	0.00116	1	09/18/2019 08:22	WG1347118
Ethylbenzene	U		0.000614	0.00290	1	09/18/2019 08:22	WG1347118
Hexachloro-1,3-butadiene	U		0.0147	0.0290	1	09/18/2019 08:22	WG1347118
2-Hexanone	U		0.0116	0.0290	1	09/18/2019 08:22	WG1347118
n-Hexane	0.00400	J	0.00123	0.00580	1	09/18/2019 08:22	WG1347118
Iodomethane	U		0.00701	0.0145	1	09/18/2019 08:22	WG1347118
Isopropylbenzene	U		0.00100	0.00290	1	09/18/2019 08:22	WG1347118
p-Isopropyltoluene	U		0.00270	0.00580	1	09/18/2019 08:22	WG1347118
2-Butanone (MEK)	U		0.0145	0.0290	1	09/18/2019 08:22	WG1347118
Methylene Chloride	0.00785	B J	0.00770	0.0290	1	09/18/2019 08:22	WG1347118
4-Methyl-2-pentanone (MIBK)	U		0.0116	0.0290	1	09/18/2019 08:22	WG1347118

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		0.000342	0.00116	1	09/18/2019 08:22	WG1347118
Naphthalene	U		0.00362	0.0145	1	09/18/2019 08:22	WG1347118
n-Propylbenzene	U		0.00137	0.00580	1	09/18/2019 08:22	WG1347118
Styrene	U		0.00316	0.0145	1	09/18/2019 08:22	WG1347118
1,1,1,2-Tetrachloroethane	U		0.000580	0.00290	1	09/18/2019 08:22	WG1347118
1,1,2,2-Tetrachloroethane	U	J0	0.000452	0.00290	1	09/18/2019 08:22	WG1347118
1,1,2-Trichlorotrifluoroethane	U		0.000782	0.00290	1	09/18/2019 08:22	WG1347118
Tetrachloroethene	0.00753		0.000811	0.00290	1	09/18/2019 08:22	WG1347118
Toluene	0.00667		0.00145	0.00580	1	09/18/2019 08:22	WG1347118
1,2,3-Trichlorobenzene	U		0.000724	0.00290	1	09/18/2019 08:22	WG1347118
1,2,4-Trichlorobenzene	U		0.00559	0.0145	1	09/18/2019 08:22	WG1347118
1,1,1-Trichloroethane	U		0.000319	0.00290	1	09/18/2019 08:22	WG1347118
1,1,2-Trichloroethane	U		0.00102	0.00290	1	09/18/2019 08:22	WG1347118
Trichloroethene	0.00243		0.000464	0.00116	1	09/18/2019 08:22	WG1347118
Trichlorofluoromethane	U		0.000580	0.00290	1	09/18/2019 08:22	WG1347118
1,2,3-Trichloropropane	U		0.00591	0.0145	1	09/18/2019 08:22	WG1347118
1,2,4-Trimethylbenzene	U		0.00134	0.00580	1	09/18/2019 08:22	WG1347118
1,2,3-Trimethylbenzene	U		0.00133	0.00580	1	09/18/2019 08:22	WG1347118
1,3,5-Trimethylbenzene	U		0.00125	0.00580	1	09/18/2019 08:22	WG1347118
Vinyl acetate	U		0.00408	0.0145	1	09/18/2019 08:22	WG1347118
Vinyl chloride	U		0.000792	0.00290	1	09/18/2019 08:22	WG1347118
Xylenes, Total	U		0.00554	0.00753	1	09/18/2019 08:22	WG1347118
(S) Toluene-d8	*107*			*75.0-131*		*09/18/2019 08:22*	WG1347118
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/18/2019 08:22*	WG1347118
(S) 1,2-Dichloroethane-d4	*99.4*			*70.0-130*		*09/18/2019 08:22*	WG1347118

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.1		1	09/18/2019 13:22	WG1347351

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0284	J	0.0167	0.0305	1	09/18/2019 08:42	WG1347118
Acrylonitrile	U		0.00232	0.0152	1	09/18/2019 08:42	WG1347118
Benzene	U		0.000487	0.00122	1	09/18/2019 08:42	WG1347118
Bromobenzene	U		0.00128	0.0152	1	09/18/2019 08:42	WG1347118
Bromodichloromethane	U		0.000960	0.00305	1	09/18/2019 08:42	WG1347118
Bromochloromethane	U		0.00138	0.00609	1	09/18/2019 08:42	WG1347118
Bromoform	U		0.00729	0.0305	1	09/18/2019 08:42	WG1347118
Bromomethane	U		0.00451	0.0152	1	09/18/2019 08:42	WG1347118
n-Butylbenzene	U		0.00468	0.0152	1	09/18/2019 08:42	WG1347118
sec-Butylbenzene	U		0.00308	0.0152	1	09/18/2019 08:42	WG1347118
tert-Butylbenzene	U		0.00189	0.00609	1	09/18/2019 08:42	WG1347118
Carbon disulfide	U		0.00495	0.0152	1	09/18/2019 08:42	WG1347118
Carbon tetrachloride	U		0.00132	0.00609	1	09/18/2019 08:42	WG1347118
Chlorobenzene	U		0.000698	0.00305	1	09/18/2019 08:42	WG1347118
Chlorodibromomethane	U		0.000548	0.00305	1	09/18/2019 08:42	WG1347118
Chloroethane	U		0.00132	0.00609	1	09/18/2019 08:42	WG1347118
Chloroform	0.000660	B J	0.000506	0.00305	1	09/18/2019 08:42	WG1347118
Chloromethane	U		0.00169	0.0152	1	09/18/2019 08:42	WG1347118
2-Chlorotoluene	U		0.00112	0.00305	1	09/18/2019 08:42	WG1347118
4-Chlorotoluene	U		0.00138	0.00609	1	09/18/2019 08:42	WG1347118
1,2-Dibromo-3-Chloropropane	U	J0	0.00621	0.0305	1	09/18/2019 08:42	WG1347118
1,2-Dibromoethane	U		0.000640	0.00305	1	09/18/2019 08:42	WG1347118
Dibromomethane	U		0.00122	0.00609	1	09/18/2019 08:42	WG1347118
1,2-Dichlorobenzene	U		0.00177	0.00609	1	09/18/2019 08:42	WG1347118
1,3-Dichlorobenzene	U		0.00207	0.00609	1	09/18/2019 08:42	WG1347118
1,4-Dichlorobenzene	U		0.00240	0.00609	1	09/18/2019 08:42	WG1347118
Dichlorodifluoromethane	U		0.000997	0.00305	1	09/18/2019 08:42	WG1347118
1,1-Dichloroethane	U		0.000701	0.00305	1	09/18/2019 08:42	WG1347118
1,2-Dichloroethane	U		0.000579	0.00305	1	09/18/2019 08:42	WG1347118
1,1-Dichloroethene	U		0.000609	0.00305	1	09/18/2019 08:42	WG1347118
cis-1,2-Dichloroethene	0.00136	J	0.000841	0.00305	1	09/18/2019 08:42	WG1347118
trans-1,2-Dichloroethene	U		0.00174	0.00609	1	09/18/2019 08:42	WG1347118
1,2-Dichloropropane	U		0.00155	0.00609	1	09/18/2019 08:42	WG1347118
1,1-Dichloropropene	U		0.000853	0.00305	1	09/18/2019 08:42	WG1347118
1,3-Dichloropropane	U		0.00213	0.00609	1	09/18/2019 08:42	WG1347118
cis-1,3-Dichloropropene	U		0.000826	0.00305	1	09/18/2019 08:42	WG1347118
trans-1,3-Dichloropropene	U		0.00186	0.00609	1	09/18/2019 08:42	WG1347118
trans-1,4-Dichloro-2-butene	U	J0	0.00171	0.00609	1	09/18/2019 08:42	WG1347118
2,2-Dichloropropane	U		0.000966	0.00305	1	09/18/2019 08:42	WG1347118
Di-isopropyl ether	U		0.000426	0.00122	1	09/18/2019 08:42	WG1347118
Ethylbenzene	U		0.000646	0.00305	1	09/18/2019 08:42	WG1347118
Hexachloro-1,3-butadiene	U		0.0155	0.0305	1	09/18/2019 08:42	WG1347118
2-Hexanone	U		0.0122	0.0305	1	09/18/2019 08:42	WG1347118
n-Hexane	0.00325	J	0.00129	0.00609	1	09/18/2019 08:42	WG1347118
Iodomethane	U		0.00737	0.0152	1	09/18/2019 08:42	WG1347118
Isopropylbenzene	U		0.00105	0.00305	1	09/18/2019 08:42	WG1347118
p-Isopropyltoluene	U		0.00284	0.00609	1	09/18/2019 08:42	WG1347118
2-Butanone (MEK)	U		0.0152	0.0305	1	09/18/2019 08:42	WG1347118
Methylene Chloride	0.00839	B J	0.00809	0.0305	1	09/18/2019 08:42	WG1347118
4-Methyl-2-pentanone (MIBK)	U		0.0122	0.0305	1	09/18/2019 08:42	WG1347118

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000359	0.00122	1	09/18/2019 08:42	WG1347118
Naphthalene	U		0.00380	0.0152	1	09/18/2019 08:42	WG1347118
n-Propylbenzene	U		0.00144	0.00609	1	09/18/2019 08:42	WG1347118
Styrene	U		0.00333	0.0152	1	09/18/2019 08:42	WG1347118
1,1,1,2-Tetrachloroethane	U		0.000609	0.00305	1	09/18/2019 08:42	WG1347118
1,1,2,2-Tetrachloroethane	U	J0	0.000475	0.00305	1	09/18/2019 08:42	WG1347118
1,1,2-Trichlorotrifluoroethane	U		0.000822	0.00305	1	09/18/2019 08:42	WG1347118
Tetrachloroethene	U		0.000853	0.00305	1	09/18/2019 08:42	WG1347118
Toluene	0.00699		0.00152	0.00609	1	09/18/2019 08:42	WG1347118
1,2,3-Trichlorobenzene	U		0.000762	0.00305	1	09/18/2019 08:42	WG1347118
1,2,4-Trichlorobenzene	U		0.00587	0.0152	1	09/18/2019 08:42	WG1347118
1,1,1-Trichloroethane	U		0.000335	0.00305	1	09/18/2019 08:42	WG1347118
1,1,2-Trichloroethane	U		0.00108	0.00305	1	09/18/2019 08:42	WG1347118
Trichloroethene	U		0.000487	0.00122	1	09/18/2019 08:42	WG1347118
Trichlorofluoromethane	0.00210	J	0.000609	0.00305	1	09/18/2019 08:42	WG1347118
1,2,3-Trichloropropane	U		0.00621	0.0152	1	09/18/2019 08:42	WG1347118
1,2,4-Trimethylbenzene	U		0.00141	0.00609	1	09/18/2019 08:42	WG1347118
1,2,3-Trimethylbenzene	U		0.00140	0.00609	1	09/18/2019 08:42	WG1347118
1,3,5-Trimethylbenzene	U		0.00132	0.00609	1	09/18/2019 08:42	WG1347118
Vinyl acetate	U		0.00429	0.0152	1	09/18/2019 08:42	WG1347118
Vinyl chloride	U		0.000832	0.00305	1	09/18/2019 08:42	WG1347118
Xylenes, Total	U		0.00582	0.00792	1	09/18/2019 08:42	WG1347118
(S) Toluene-d8	*105*			*75.0-131*		*09/18/2019 08:42*	WG1347118
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/18/2019 08:42*	WG1347118
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*09/18/2019 08:42*	WG1347118

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.5		1	09/18/2019 13:22	WG1347351

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0166	0.0303	1	09/18/2019 09:02	WG1347118
Acrylonitrile	U		0.00230	0.0152	1	09/18/2019 09:02	WG1347118
Benzene	U		0.000485	0.00121	1	09/18/2019 09:02	WG1347118
Bromobenzene	U		0.00127	0.0152	1	09/18/2019 09:02	WG1347118
Bromodichloromethane	U		0.000955	0.00303	1	09/18/2019 09:02	WG1347118
Bromochloromethane	U		0.00137	0.00606	1	09/18/2019 09:02	WG1347118
Bromoform	U		0.00725	0.0303	1	09/18/2019 09:02	WG1347118
Bromomethane	U		0.00449	0.0152	1	09/18/2019 09:02	WG1347118
n-Butylbenzene	U		0.00466	0.0152	1	09/18/2019 09:02	WG1347118
sec-Butylbenzene	U		0.00307	0.0152	1	09/18/2019 09:02	WG1347118
tert-Butylbenzene	U		0.00188	0.00606	1	09/18/2019 09:02	WG1347118
Carbon disulfide	U		0.00492	0.0152	1	09/18/2019 09:02	WG1347118
Carbon tetrachloride	U		0.00131	0.00606	1	09/18/2019 09:02	WG1347118
Chlorobenzene	U		0.000695	0.00303	1	09/18/2019 09:02	WG1347118
Chlorodibromomethane	U		0.000546	0.00303	1	09/18/2019 09:02	WG1347118
Chloroethane	U		0.00131	0.00606	1	09/18/2019 09:02	WG1347118
Chloroform	U		0.000503	0.00303	1	09/18/2019 09:02	WG1347118
Chloromethane	U		0.00169	0.0152	1	09/18/2019 09:02	WG1347118
2-Chlorotoluene	U		0.00112	0.00303	1	09/18/2019 09:02	WG1347118
4-Chlorotoluene	U		0.00137	0.00606	1	09/18/2019 09:02	WG1347118
1,2-Dibromo-3-Chloropropane	U	J0	0.00618	0.0303	1	09/18/2019 09:02	WG1347118
1,2-Dibromoethane	U		0.000636	0.00303	1	09/18/2019 09:02	WG1347118
Dibromomethane	U		0.00121	0.00606	1	09/18/2019 09:02	WG1347118
1,2-Dichlorobenzene	U		0.00176	0.00606	1	09/18/2019 09:02	WG1347118
1,3-Dichlorobenzene	U		0.00206	0.00606	1	09/18/2019 09:02	WG1347118
1,4-Dichlorobenzene	U		0.00239	0.00606	1	09/18/2019 09:02	WG1347118
Dichlorodifluoromethane	U		0.000992	0.00303	1	09/18/2019 09:02	WG1347118
1,1-Dichloroethane	U		0.000697	0.00303	1	09/18/2019 09:02	WG1347118
1,2-Dichloroethane	U		0.000576	0.00303	1	09/18/2019 09:02	WG1347118
1,1-Dichloroethene	U		0.000606	0.00303	1	09/18/2019 09:02	WG1347118
cis-1,2-Dichloroethene	U		0.000836	0.00303	1	09/18/2019 09:02	WG1347118
trans-1,2-Dichloroethene	U		0.00173	0.00606	1	09/18/2019 09:02	WG1347118
1,2-Dichloropropane	U		0.00154	0.00606	1	09/18/2019 09:02	WG1347118
1,1-Dichloropropene	U		0.000849	0.00303	1	09/18/2019 09:02	WG1347118
1,3-Dichloropropane	U		0.00212	0.00606	1	09/18/2019 09:02	WG1347118
cis-1,3-Dichloropropene	U		0.000822	0.00303	1	09/18/2019 09:02	WG1347118
trans-1,3-Dichloropropene	U		0.00185	0.00606	1	09/18/2019 09:02	WG1347118
trans-1,4-Dichloro-2-butene	U	J0	0.00170	0.00606	1	09/18/2019 09:02	WG1347118
2,2-Dichloropropane	U		0.000961	0.00303	1	09/18/2019 09:02	WG1347118
Di-isopropyl ether	U		0.000424	0.00121	1	09/18/2019 09:02	WG1347118
Ethylbenzene	U		0.000643	0.00303	1	09/18/2019 09:02	WG1347118
Hexachloro-1,3-butadiene	U		0.0154	0.0303	1	09/18/2019 09:02	WG1347118
2-Hexanone	U		0.0121	0.0303	1	09/18/2019 09:02	WG1347118
n-Hexane	0.00330	J	0.00129	0.00606	1	09/18/2019 09:02	WG1347118
Iodomethane	U		0.00733	0.0152	1	09/18/2019 09:02	WG1347118
Isopropylbenzene	U		0.00105	0.00303	1	09/18/2019 09:02	WG1347118
p-Isopropyltoluene	U		0.00282	0.00606	1	09/18/2019 09:02	WG1347118
2-Butanone (MEK)	U		0.0152	0.0303	1	09/18/2019 09:02	WG1347118
Methylene Chloride	0.0122	B J	0.00805	0.0303	1	09/18/2019 09:02	WG1347118
4-Methyl-2-pentanone (MIBK)	U		0.0121	0.0303	1	09/18/2019 09:02	WG1347118

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000358	0.00121	1	09/18/2019 09:02	WG1347118
Naphthalene	U		0.00378	0.0152	1	09/18/2019 09:02	WG1347118
n-Propylbenzene	U		0.00143	0.00606	1	09/18/2019 09:02	WG1347118
Styrene	U		0.00331	0.0152	1	09/18/2019 09:02	WG1347118
1,1,1,2-Tetrachloroethane	U		0.000606	0.00303	1	09/18/2019 09:02	WG1347118
1,1,2,2-Tetrachloroethane	U	J0	0.000473	0.00303	1	09/18/2019 09:02	WG1347118
1,1,2-Trichlorotrifluoroethane	U		0.000818	0.00303	1	09/18/2019 09:02	WG1347118
Tetrachloroethene	U		0.000849	0.00303	1	09/18/2019 09:02	WG1347118
Toluene	0.00783		0.00152	0.00606	1	09/18/2019 09:02	WG1347118
1,2,3-Trichlorobenzene	U		0.000758	0.00303	1	09/18/2019 09:02	WG1347118
1,2,4-Trichlorobenzene	U		0.00584	0.0152	1	09/18/2019 09:02	WG1347118
1,1,1-Trichloroethane	U		0.000333	0.00303	1	09/18/2019 09:02	WG1347118
1,1,2-Trichloroethane	U		0.00107	0.00303	1	09/18/2019 09:02	WG1347118
Trichloroethene	U		0.000485	0.00121	1	09/18/2019 09:02	WG1347118
Trichlorofluoromethane	U		0.000606	0.00303	1	09/18/2019 09:02	WG1347118
1,2,3-Trichloropropane	U		0.00618	0.0152	1	09/18/2019 09:02	WG1347118
1,2,4-Trimethylbenzene	U		0.00141	0.00606	1	09/18/2019 09:02	WG1347118
1,2,3-Trimethylbenzene	U		0.00139	0.00606	1	09/18/2019 09:02	WG1347118
1,3,5-Trimethylbenzene	U		0.00131	0.00606	1	09/18/2019 09:02	WG1347118
Vinyl acetate	U		0.00427	0.0152	1	09/18/2019 09:02	WG1347118
Vinyl chloride	U		0.000828	0.00303	1	09/18/2019 09:02	WG1347118
Xylenes, Total	U		0.00579	0.00788	1	09/18/2019 09:02	WG1347118
(S) Toluene-d8	*102*			*75.0-131*		*09/18/2019 09:02*	WG1347118
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*09/18/2019 09:02*	WG1347118
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*09/18/2019 09:02*	WG1347118

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.1		1	09/18/2019 13:22	WG1347351

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0163	0.0297	1	09/18/2019 09:26	WG1347118
Acrylonitrile	U		0.00226	0.0149	1	09/18/2019 09:26	WG1347118
Benzene	U		0.000475	0.00119	1	09/18/2019 09:26	WG1347118
Bromobenzene	U		0.00125	0.0149	1	09/18/2019 09:26	WG1347118
Bromodichloromethane	U		0.000937	0.00297	1	09/18/2019 09:26	WG1347118
Bromochloromethane	U		0.00134	0.00594	1	09/18/2019 09:26	WG1347118
Bromoform	U		0.00711	0.0297	1	09/18/2019 09:26	WG1347118
Bromomethane	U		0.00440	0.0149	1	09/18/2019 09:26	WG1347118
n-Butylbenzene	U		0.00456	0.0149	1	09/18/2019 09:26	WG1347118
sec-Butylbenzene	U		0.00301	0.0149	1	09/18/2019 09:26	WG1347118
tert-Butylbenzene	U		0.00184	0.00594	1	09/18/2019 09:26	WG1347118
Carbon disulfide	U		0.00483	0.0149	1	09/18/2019 09:26	WG1347118
Carbon tetrachloride	U		0.00128	0.00594	1	09/18/2019 09:26	WG1347118
Chlorobenzene	U		0.000681	0.00297	1	09/18/2019 09:26	WG1347118
Chlorodibromomethane	U		0.000535	0.00297	1	09/18/2019 09:26	WG1347118
Chloroethane	U		0.00128	0.00594	1	09/18/2019 09:26	WG1347118
Chloroform	U		0.000493	0.00297	1	09/18/2019 09:26	WG1347118
Chloromethane	U		0.00165	0.0149	1	09/18/2019 09:26	WG1347118
2-Chlorotoluene	U		0.00109	0.00297	1	09/18/2019 09:26	WG1347118
4-Chlorotoluene	U		0.00134	0.00594	1	09/18/2019 09:26	WG1347118
1,2-Dibromo-3-Chloropropane	U	J0	0.00606	0.0297	1	09/18/2019 09:26	WG1347118
1,2-Dibromoethane	U		0.000624	0.00297	1	09/18/2019 09:26	WG1347118
Dibromomethane	U		0.00119	0.00594	1	09/18/2019 09:26	WG1347118
1,2-Dichlorobenzene	U		0.00172	0.00594	1	09/18/2019 09:26	WG1347118
1,3-Dichlorobenzene	U		0.00202	0.00594	1	09/18/2019 09:26	WG1347118
1,4-Dichlorobenzene	U		0.00234	0.00594	1	09/18/2019 09:26	WG1347118
Dichlorodifluoromethane	U		0.000972	0.00297	1	09/18/2019 09:26	WG1347118
1,1-Dichloroethane	U		0.000683	0.00297	1	09/18/2019 09:26	WG1347118
1,2-Dichloroethane	U		0.000565	0.00297	1	09/18/2019 09:26	WG1347118
1,1-Dichloroethene	U		0.000594	0.00297	1	09/18/2019 09:26	WG1347118
cis-1,2-Dichloroethene	U		0.000820	0.00297	1	09/18/2019 09:26	WG1347118
trans-1,2-Dichloroethene	U		0.00170	0.00594	1	09/18/2019 09:26	WG1347118
1,2-Dichloropropane	U		0.00151	0.00594	1	09/18/2019 09:26	WG1347118
1,1-Dichloropropene	U		0.000832	0.00297	1	09/18/2019 09:26	WG1347118
1,3-Dichloropropane	U		0.00208	0.00594	1	09/18/2019 09:26	WG1347118
cis-1,3-Dichloropropene	U		0.000806	0.00297	1	09/18/2019 09:26	WG1347118
trans-1,3-Dichloropropene	U		0.00182	0.00594	1	09/18/2019 09:26	WG1347118
trans-1,4-Dichloro-2-butene	U	J0	0.00166	0.00594	1	09/18/2019 09:26	WG1347118
2,2-Dichloropropane	U		0.000943	0.00297	1	09/18/2019 09:26	WG1347118
Di-isopropyl ether	U		0.000416	0.00119	1	09/18/2019 09:26	WG1347118
Ethylbenzene	U		0.000630	0.00297	1	09/18/2019 09:26	WG1347118
Hexachloro-1,3-butadiene	U		0.0151	0.0297	1	09/18/2019 09:26	WG1347118
2-Hexanone	U		0.0119	0.0297	1	09/18/2019 09:26	WG1347118
n-Hexane	0.00388	J	0.00126	0.00594	1	09/18/2019 09:26	WG1347118
Iodomethane	U		0.00719	0.0149	1	09/18/2019 09:26	WG1347118
Isopropylbenzene	U		0.00103	0.00297	1	09/18/2019 09:26	WG1347118
p-Isopropyltoluene	U		0.00277	0.00594	1	09/18/2019 09:26	WG1347118
2-Butanone (MEK)	U		0.0149	0.0297	1	09/18/2019 09:26	WG1347118
Methylene Chloride	U		0.00789	0.0297	1	09/18/2019 09:26	WG1347118
4-Methyl-2-pentanone (MIBK)	U		0.0119	0.0297	1	09/18/2019 09:26	WG1347118

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000351	0.00119	1	09/18/2019 09:26	WG1347118
Naphthalene	U		0.00371	0.0149	1	09/18/2019 09:26	WG1347118
n-Propylbenzene	U		0.00140	0.00594	1	09/18/2019 09:26	WG1347118
Styrene	U		0.00324	0.0149	1	09/18/2019 09:26	WG1347118
1,1,1,2-Tetrachloroethane	U		0.000594	0.00297	1	09/18/2019 09:26	WG1347118
1,1,2,2-Tetrachloroethane	U	J0	0.000464	0.00297	1	09/18/2019 09:26	WG1347118
1,1,2-Trichlorotrifluoroethane	U		0.000802	0.00297	1	09/18/2019 09:26	WG1347118
Tetrachloroethene	U		0.000832	0.00297	1	09/18/2019 09:26	WG1347118
Toluene	0.00436	J	0.00149	0.00594	1	09/18/2019 09:26	WG1347118
1,2,3-Trichlorobenzene	U		0.000743	0.00297	1	09/18/2019 09:26	WG1347118
1,2,4-Trichlorobenzene	U		0.00573	0.0149	1	09/18/2019 09:26	WG1347118
1,1,1-Trichloroethane	U		0.000327	0.00297	1	09/18/2019 09:26	WG1347118
1,1,2-Trichloroethane	U		0.00105	0.00297	1	09/18/2019 09:26	WG1347118
Trichloroethene	U		0.000475	0.00119	1	09/18/2019 09:26	WG1347118
Trichlorofluoromethane	0.00217	J	0.000594	0.00297	1	09/18/2019 09:26	WG1347118
1,2,3-Trichloropropane	U		0.00606	0.0149	1	09/18/2019 09:26	WG1347118
1,2,4-Trimethylbenzene	U		0.00138	0.00594	1	09/18/2019 09:26	WG1347118
1,2,3-Trimethylbenzene	U		0.00137	0.00594	1	09/18/2019 09:26	WG1347118
1,3,5-Trimethylbenzene	U		0.00128	0.00594	1	09/18/2019 09:26	WG1347118
Vinyl acetate	U		0.00418	0.0149	1	09/18/2019 09:26	WG1347118
Vinyl chloride	U		0.000812	0.00297	1	09/18/2019 09:26	WG1347118
Xylenes, Total	U		0.00568	0.00773	1	09/18/2019 09:26	WG1347118
(S) Toluene-d8	*106*			*75.0-131*		*09/18/2019 09:26*	WG1347118
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/18/2019 09:26*	WG1347118
(S) 1,2-Dichloroethane-d4	*94.6*			*70.0-130*		*09/18/2019 09:26*	WG1347118

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.6		1	09/18/2019 13:36	WG1347352

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0195	J	0.0160	0.0292	1	09/18/2019 09:47	WG1347118
Acrylonitrile	U		0.00222	0.0146	1	09/18/2019 09:47	WG1347118
Benzene	U		0.000467	0.00117	1	09/18/2019 09:47	WG1347118
Bromobenzene	U		0.00123	0.0146	1	09/18/2019 09:47	WG1347118
Bromodichloromethane	U		0.000921	0.00292	1	09/18/2019 09:47	WG1347118
Bromochloromethane	U		0.00132	0.00584	1	09/18/2019 09:47	WG1347118
Bromoform	U		0.00699	0.0292	1	09/18/2019 09:47	WG1347118
Bromomethane	U		0.00432	0.0146	1	09/18/2019 09:47	WG1347118
n-Butylbenzene	U		0.00449	0.0146	1	09/18/2019 09:47	WG1347118
sec-Butylbenzene	U		0.00296	0.0146	1	09/18/2019 09:47	WG1347118
tert-Butylbenzene	U		0.00181	0.00584	1	09/18/2019 09:47	WG1347118
Carbon disulfide	U		0.00474	0.0146	1	09/18/2019 09:47	WG1347118
Carbon tetrachloride	U		0.00126	0.00584	1	09/18/2019 09:47	WG1347118
Chlorobenzene	U		0.000670	0.00292	1	09/18/2019 09:47	WG1347118
Chlorodibromomethane	U		0.000526	0.00292	1	09/18/2019 09:47	WG1347118
Chloroethane	U		0.00126	0.00584	1	09/18/2019 09:47	WG1347118
Chloroform	U		0.000485	0.00292	1	09/18/2019 09:47	WG1347118
Chloromethane	U		0.00162	0.0146	1	09/18/2019 09:47	WG1347118
2-Chlorotoluene	U		0.00108	0.00292	1	09/18/2019 09:47	WG1347118
4-Chlorotoluene	U		0.00132	0.00584	1	09/18/2019 09:47	WG1347118
1,2-Dibromo-3-Chloropropane	U	J0	0.00596	0.0292	1	09/18/2019 09:47	WG1347118
1,2-Dibromoethane	U		0.000614	0.00292	1	09/18/2019 09:47	WG1347118
Dibromomethane	U		0.00117	0.00584	1	09/18/2019 09:47	WG1347118
1,2-Dichlorobenzene	U		0.00169	0.00584	1	09/18/2019 09:47	WG1347118
1,3-Dichlorobenzene	U		0.00199	0.00584	1	09/18/2019 09:47	WG1347118
1,4-Dichlorobenzene	U		0.00230	0.00584	1	09/18/2019 09:47	WG1347118
Dichlorodifluoromethane	U		0.000956	0.00292	1	09/18/2019 09:47	WG1347118
1,1-Dichloroethane	U		0.000672	0.00292	1	09/18/2019 09:47	WG1347118
1,2-Dichloroethane	U		0.000555	0.00292	1	09/18/2019 09:47	WG1347118
1,1-Dichloroethene	U		0.000584	0.00292	1	09/18/2019 09:47	WG1347118
cis-1,2-Dichloroethene	U		0.000806	0.00292	1	09/18/2019 09:47	WG1347118
trans-1,2-Dichloroethene	U		0.00167	0.00584	1	09/18/2019 09:47	WG1347118
1,2-Dichloropropane	U		0.00148	0.00584	1	09/18/2019 09:47	WG1347118
1,1-Dichloropropene	U		0.000818	0.00292	1	09/18/2019 09:47	WG1347118
1,3-Dichloropropane	U		0.00205	0.00584	1	09/18/2019 09:47	WG1347118
cis-1,3-Dichloropropene	U		0.000792	0.00292	1	09/18/2019 09:47	WG1347118
trans-1,3-Dichloropropene	U		0.00179	0.00584	1	09/18/2019 09:47	WG1347118
trans-1,4-Dichloro-2-butene	U	J0	0.00164	0.00584	1	09/18/2019 09:47	WG1347118
2,2-Dichloropropane	U		0.000927	0.00292	1	09/18/2019 09:47	WG1347118
Di-isopropyl ether	U		0.000409	0.00117	1	09/18/2019 09:47	WG1347118
Ethylbenzene	U		0.000619	0.00292	1	09/18/2019 09:47	WG1347118
Hexachloro-1,3-butadiene	U		0.0148	0.0292	1	09/18/2019 09:47	WG1347118
2-Hexanone	U		0.0117	0.0292	1	09/18/2019 09:47	WG1347118
n-Hexane	U		0.00124	0.00584	1	09/18/2019 09:47	WG1347118
Iodomethane	U		0.00707	0.0146	1	09/18/2019 09:47	WG1347118
Isopropylbenzene	U		0.00101	0.00292	1	09/18/2019 09:47	WG1347118
p-Isopropyltoluene	U		0.00272	0.00584	1	09/18/2019 09:47	WG1347118
2-Butanone (MEK)	U		0.0146	0.0292	1	09/18/2019 09:47	WG1347118
Methylene Chloride	U		0.00776	0.0292	1	09/18/2019 09:47	WG1347118
4-Methyl-2-pentanone (MIBK)	U		0.0117	0.0292	1	09/18/2019 09:47	WG1347118

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000345	0.00117	1	09/18/2019 09:47	WG1347118
Naphthalene	U		0.00365	0.0146	1	09/18/2019 09:47	WG1347118
n-Propylbenzene	U		0.00138	0.00584	1	09/18/2019 09:47	WG1347118
Styrene	U		0.00319	0.0146	1	09/18/2019 09:47	WG1347118
1,1,1,2-Tetrachloroethane	U		0.000584	0.00292	1	09/18/2019 09:47	WG1347118
1,1,2,2-Tetrachloroethane	U	J0	0.000456	0.00292	1	09/18/2019 09:47	WG1347118
1,1,2-Trichlorotrifluoroethane	U		0.000789	0.00292	1	09/18/2019 09:47	WG1347118
Tetrachloroethene	U		0.000818	0.00292	1	09/18/2019 09:47	WG1347118
Toluene	0.00342	J	0.00146	0.00584	1	09/18/2019 09:47	WG1347118
1,2,3-Trichlorobenzene	U		0.000730	0.00292	1	09/18/2019 09:47	WG1347118
1,2,4-Trichlorobenzene	U		0.00563	0.0146	1	09/18/2019 09:47	WG1347118
1,1,1-Trichloroethane	U		0.000321	0.00292	1	09/18/2019 09:47	WG1347118
1,1,2-Trichloroethane	U		0.00103	0.00292	1	09/18/2019 09:47	WG1347118
Trichloroethene	U		0.000467	0.00117	1	09/18/2019 09:47	WG1347118
Trichlorofluoromethane	U		0.000584	0.00292	1	09/18/2019 09:47	WG1347118
1,2,3-Trichloropropane	U		0.00596	0.0146	1	09/18/2019 09:47	WG1347118
1,2,4-Trimethylbenzene	U		0.00136	0.00584	1	09/18/2019 09:47	WG1347118
1,2,3-Trimethylbenzene	U		0.00134	0.00584	1	09/18/2019 09:47	WG1347118
1,3,5-Trimethylbenzene	U		0.00126	0.00584	1	09/18/2019 09:47	WG1347118
Vinyl acetate	U		0.00411	0.0146	1	09/18/2019 09:47	WG1347118
Vinyl chloride	U		0.000798	0.00292	1	09/18/2019 09:47	WG1347118
Xylenes, Total	U		0.00559	0.00760	1	09/18/2019 09:47	WG1347118
(S) Toluene-d8	*107*			*75.0-131*		*09/18/2019 09:47*	WG1347118
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*09/18/2019 09:47*	WG1347118
(S) 1,2-Dichloroethane-d4	*99.5*			*70.0-130*		*09/18/2019 09:47*	WG1347118

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.9		1	09/18/2019 13:36	WG1347352

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0543		0.0161	0.0294	1	09/18/2019 10:07	WG1347118
Acrylonitrile	U		0.00224	0.0147	1	09/18/2019 10:07	WG1347118
Benzene	U		0.000471	0.00118	1	09/18/2019 10:07	WG1347118
Bromobenzene	U		0.00124	0.0147	1	09/18/2019 10:07	WG1347118
Bromodichloromethane	U		0.000928	0.00294	1	09/18/2019 10:07	WG1347118
Bromochloromethane	U		0.00133	0.00589	1	09/18/2019 10:07	WG1347118
Bromoform	U		0.00704	0.0294	1	09/18/2019 10:07	WG1347118
Bromomethane	U		0.00436	0.0147	1	09/18/2019 10:07	WG1347118
n-Butylbenzene	U		0.00452	0.0147	1	09/18/2019 10:07	WG1347118
sec-Butylbenzene	U		0.00298	0.0147	1	09/18/2019 10:07	WG1347118
tert-Butylbenzene	U		0.00183	0.00589	1	09/18/2019 10:07	WG1347118
Carbon disulfide	U		0.00478	0.0147	1	09/18/2019 10:07	WG1347118
Carbon tetrachloride	U		0.00127	0.00589	1	09/18/2019 10:07	WG1347118
Chlorobenzene	U		0.000675	0.00294	1	09/18/2019 10:07	WG1347118
Chlorodibromomethane	U		0.000530	0.00294	1	09/18/2019 10:07	WG1347118
Chloroethane	U		0.00127	0.00589	1	09/18/2019 10:07	WG1347118
Chloroform	0.000933	B J	0.000489	0.00294	1	09/18/2019 10:07	WG1347118
Chloromethane	U		0.00164	0.0147	1	09/18/2019 10:07	WG1347118
2-Chlorotoluene	U		0.00108	0.00294	1	09/18/2019 10:07	WG1347118
4-Chlorotoluene	U		0.00133	0.00589	1	09/18/2019 10:07	WG1347118
1,2-Dibromo-3-Chloropropane	U	J0	0.00601	0.0294	1	09/18/2019 10:07	WG1347118
1,2-Dibromoethane	U		0.000618	0.00294	1	09/18/2019 10:07	WG1347118
Dibromomethane	U		0.00118	0.00589	1	09/18/2019 10:07	WG1347118
1,2-Dichlorobenzene	U		0.00171	0.00589	1	09/18/2019 10:07	WG1347118
1,3-Dichlorobenzene	U		0.00200	0.00589	1	09/18/2019 10:07	WG1347118
1,4-Dichlorobenzene	U		0.00232	0.00589	1	09/18/2019 10:07	WG1347118
Dichlorodifluoromethane	U		0.000963	0.00294	1	09/18/2019 10:07	WG1347118
1,1-Dichloroethane	U		0.000677	0.00294	1	09/18/2019 10:07	WG1347118
1,2-Dichloroethane	U		0.000559	0.00294	1	09/18/2019 10:07	WG1347118
1,1-Dichloroethene	U		0.000589	0.00294	1	09/18/2019 10:07	WG1347118
cis-1,2-Dichloroethene	U		0.000812	0.00294	1	09/18/2019 10:07	WG1347118
trans-1,2-Dichloroethene	U		0.00168	0.00589	1	09/18/2019 10:07	WG1347118
1,2-Dichloropropane	U		0.00150	0.00589	1	09/18/2019 10:07	WG1347118
1,1-Dichloropropene	U		0.000824	0.00294	1	09/18/2019 10:07	WG1347118
1,3-Dichloropropane	U		0.00206	0.00589	1	09/18/2019 10:07	WG1347118
cis-1,3-Dichloropropene	U		0.000798	0.00294	1	09/18/2019 10:07	WG1347118
trans-1,3-Dichloropropene	U		0.00180	0.00589	1	09/18/2019 10:07	WG1347118
trans-1,4-Dichloro-2-butene	U	J0	0.00165	0.00589	1	09/18/2019 10:07	WG1347118
2,2-Dichloropropane	U		0.000934	0.00294	1	09/18/2019 10:07	WG1347118
Di-isopropyl ether	U		0.000412	0.00118	1	09/18/2019 10:07	WG1347118
Ethylbenzene	U		0.000624	0.00294	1	09/18/2019 10:07	WG1347118
Hexachloro-1,3-butadiene	U		0.0150	0.0294	1	09/18/2019 10:07	WG1347118
2-Hexanone	U		0.0118	0.0294	1	09/18/2019 10:07	WG1347118
n-Hexane	0.00493	J	0.00125	0.00589	1	09/18/2019 10:07	WG1347118
Iodomethane	U		0.00712	0.0147	1	09/18/2019 10:07	WG1347118
Isopropylbenzene	U		0.00102	0.00294	1	09/18/2019 10:07	WG1347118
p-Isopropyltoluene	U		0.00274	0.00589	1	09/18/2019 10:07	WG1347118
2-Butanone (MEK)	0.0237	J	0.0147	0.0294	1	09/18/2019 10:07	WG1347118
Methylene Chloride	0.0103	B J	0.00782	0.0294	1	09/18/2019 10:07	WG1347118
4-Methyl-2-pentanone (MIBK)	U		0.0118	0.0294	1	09/18/2019 10:07	WG1347118

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000347	0.00118	1	09/18/2019 10:07	WG1347118
Naphthalene	U		0.00367	0.0147	1	09/18/2019 10:07	WG1347118
n-Propylbenzene	U		0.00139	0.00589	1	09/18/2019 10:07	WG1347118
Styrene	U		0.00321	0.0147	1	09/18/2019 10:07	WG1347118
1,1,1,2-Tetrachloroethane	U		0.000589	0.00294	1	09/18/2019 10:07	WG1347118
1,1,2,2-Tetrachloroethane	U	J0	0.000459	0.00294	1	09/18/2019 10:07	WG1347118
1,1,2-Trichlorotrifluoroethane	U		0.000795	0.00294	1	09/18/2019 10:07	WG1347118
Tetrachloroethene	U		0.000824	0.00294	1	09/18/2019 10:07	WG1347118
Toluene	0.00651		0.00147	0.00589	1	09/18/2019 10:07	WG1347118
1,2,3-Trichlorobenzene	U		0.000736	0.00294	1	09/18/2019 10:07	WG1347118
1,2,4-Trichlorobenzene	U		0.00568	0.0147	1	09/18/2019 10:07	WG1347118
1,1,1-Trichloroethane	U		0.000324	0.00294	1	09/18/2019 10:07	WG1347118
1,1,2-Trichloroethane	U		0.00104	0.00294	1	09/18/2019 10:07	WG1347118
Trichloroethene	U		0.000471	0.00118	1	09/18/2019 10:07	WG1347118
Trichlorofluoromethane	U		0.000589	0.00294	1	09/18/2019 10:07	WG1347118
1,2,3-Trichloropropane	U		0.00601	0.0147	1	09/18/2019 10:07	WG1347118
1,2,4-Trimethylbenzene	U		0.00137	0.00589	1	09/18/2019 10:07	WG1347118
1,2,3-Trimethylbenzene	U		0.00135	0.00589	1	09/18/2019 10:07	WG1347118
1,3,5-Trimethylbenzene	U		0.00127	0.00589	1	09/18/2019 10:07	WG1347118
Vinyl acetate	U		0.00414	0.0147	1	09/18/2019 10:07	WG1347118
Vinyl chloride	U		0.000804	0.00294	1	09/18/2019 10:07	WG1347118
Xylenes, Total	U		0.00563	0.00765	1	09/18/2019 10:07	WG1347118
(S) Toluene-d8	*105*			*75.0-131*		*09/18/2019 10:07*	WG1347118
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*09/18/2019 10:07*	WG1347118
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/18/2019 10:07*	WG1347118

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.0		1	09/18/2019 13:36	WG1347352

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0322		0.0154	0.0281	1	09/18/2019 10:28	WG1347118
Acrylonitrile	U		0.00213	0.0140	1	09/18/2019 10:28	WG1347118
Benzene	U		0.000449	0.00112	1	09/18/2019 10:28	WG1347118
Bromobenzene	U		0.00118	0.0140	1	09/18/2019 10:28	WG1347118
Bromodichloromethane	U		0.000885	0.00281	1	09/18/2019 10:28	WG1347118
Bromochloromethane	U		0.00127	0.00562	1	09/18/2019 10:28	WG1347118
Bromoform	U		0.00672	0.0281	1	09/18/2019 10:28	WG1347118
Bromomethane	U		0.00416	0.0140	1	09/18/2019 10:28	WG1347118
n-Butylbenzene	U		0.00431	0.0140	1	09/18/2019 10:28	WG1347118
sec-Butylbenzene	U		0.00284	0.0140	1	09/18/2019 10:28	WG1347118
tert-Butylbenzene	U		0.00174	0.00562	1	09/18/2019 10:28	WG1347118
Carbon disulfide	U		0.00456	0.0140	1	09/18/2019 10:28	WG1347118
Carbon tetrachloride	U		0.00121	0.00562	1	09/18/2019 10:28	WG1347118
Chlorobenzene	U		0.000644	0.00281	1	09/18/2019 10:28	WG1347118
Chlorodibromomethane	U		0.000506	0.00281	1	09/18/2019 10:28	WG1347118
Chloroethane	U		0.00121	0.00562	1	09/18/2019 10:28	WG1347118
Chloroform	U		0.000466	0.00281	1	09/18/2019 10:28	WG1347118
Chloromethane	U		0.00156	0.0140	1	09/18/2019 10:28	WG1347118
2-Chlorotoluene	U		0.00103	0.00281	1	09/18/2019 10:28	WG1347118
4-Chlorotoluene	U		0.00127	0.00562	1	09/18/2019 10:28	WG1347118
1,2-Dibromo-3-Chloropropane	U	J0	0.00573	0.0281	1	09/18/2019 10:28	WG1347118
1,2-Dibromoethane	U		0.000590	0.00281	1	09/18/2019 10:28	WG1347118
Dibromomethane	U		0.00112	0.00562	1	09/18/2019 10:28	WG1347118
1,2-Dichlorobenzene	U		0.00163	0.00562	1	09/18/2019 10:28	WG1347118
1,3-Dichlorobenzene	U		0.00191	0.00562	1	09/18/2019 10:28	WG1347118
1,4-Dichlorobenzene	U		0.00221	0.00562	1	09/18/2019 10:28	WG1347118
Dichlorodifluoromethane	U		0.000919	0.00281	1	09/18/2019 10:28	WG1347118
1,1-Dichloroethane	U		0.000646	0.00281	1	09/18/2019 10:28	WG1347118
1,2-Dichloroethane	U		0.000534	0.00281	1	09/18/2019 10:28	WG1347118
1,1-Dichloroethene	U		0.000562	0.00281	1	09/18/2019 10:28	WG1347118
cis-1,2-Dichloroethene	U		0.000775	0.00281	1	09/18/2019 10:28	WG1347118
trans-1,2-Dichloroethene	U		0.00161	0.00562	1	09/18/2019 10:28	WG1347118
1,2-Dichloropropane	U		0.00143	0.00562	1	09/18/2019 10:28	WG1347118
1,1-Dichloropropene	U		0.000786	0.00281	1	09/18/2019 10:28	WG1347118
1,3-Dichloropropane	U		0.00197	0.00562	1	09/18/2019 10:28	WG1347118
cis-1,3-Dichloropropene	U		0.000762	0.00281	1	09/18/2019 10:28	WG1347118
trans-1,3-Dichloropropene	U		0.00172	0.00562	1	09/18/2019 10:28	WG1347118
trans-1,4-Dichloro-2-butene	U	J0	0.00157	0.00562	1	09/18/2019 10:28	WG1347118
2,2-Dichloropropane	U		0.000891	0.00281	1	09/18/2019 10:28	WG1347118
Di-isopropyl ether	U		0.000393	0.00112	1	09/18/2019 10:28	WG1347118
Ethylbenzene	U		0.000595	0.00281	1	09/18/2019 10:28	WG1347118
Hexachloro-1,3-butadiene	U		0.0143	0.0281	1	09/18/2019 10:28	WG1347118
2-Hexanone	U		0.0112	0.0281	1	09/18/2019 10:28	WG1347118
n-Hexane	U		0.00119	0.00562	1	09/18/2019 10:28	WG1347118
Iodomethane	U		0.00680	0.0140	1	09/18/2019 10:28	WG1347118
Isopropylbenzene	U		0.000970	0.00281	1	09/18/2019 10:28	WG1347118
p-Isopropyltoluene	U		0.00262	0.00562	1	09/18/2019 10:28	WG1347118
2-Butanone (MEK)	U		0.0140	0.0281	1	09/18/2019 10:28	WG1347118
Methylene Chloride	0.00980	B J	0.00746	0.0281	1	09/18/2019 10:28	WG1347118
4-Methyl-2-pentanone (MIBK)	U		0.0112	0.0281	1	09/18/2019 10:28	WG1347118

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000331	0.00112	1	09/18/2019 10:28	WG1347118
Naphthalene	U		0.00351	0.0140	1	09/18/2019 10:28	WG1347118
n-Propylbenzene	U		0.00133	0.00562	1	09/18/2019 10:28	WG1347118
Styrene	U		0.00307	0.0140	1	09/18/2019 10:28	WG1347118
1,1,1,2-Tetrachloroethane	U		0.000562	0.00281	1	09/18/2019 10:28	WG1347118
1,1,2,2-Tetrachloroethane	U	J0	0.000438	0.00281	1	09/18/2019 10:28	WG1347118
1,1,2-Trichlorotrifluoroethane	U		0.000758	0.00281	1	09/18/2019 10:28	WG1347118
Tetrachloroethene	U		0.000786	0.00281	1	09/18/2019 10:28	WG1347118
Toluene	0.0102		0.00140	0.00562	1	09/18/2019 10:28	WG1347118
1,2,3-Trichlorobenzene	U		0.000702	0.00281	1	09/18/2019 10:28	WG1347118
1,2,4-Trichlorobenzene	U		0.00542	0.0140	1	09/18/2019 10:28	WG1347118
1,1,1-Trichloroethane	U		0.000309	0.00281	1	09/18/2019 10:28	WG1347118
1,1,2-Trichloroethane	U		0.000992	0.00281	1	09/18/2019 10:28	WG1347118
Trichloroethene	U		0.000449	0.00112	1	09/18/2019 10:28	WG1347118
Trichlorofluoromethane	U		0.000562	0.00281	1	09/18/2019 10:28	WG1347118
1,2,3-Trichloropropane	U		0.00573	0.0140	1	09/18/2019 10:28	WG1347118
1,2,4-Trimethylbenzene	U		0.00130	0.00562	1	09/18/2019 10:28	WG1347118
1,2,3-Trimethylbenzene	U		0.00129	0.00562	1	09/18/2019 10:28	WG1347118
1,3,5-Trimethylbenzene	U		0.00121	0.00562	1	09/18/2019 10:28	WG1347118
Vinyl acetate	U		0.00395	0.0140	1	09/18/2019 10:28	WG1347118
Vinyl chloride	U		0.000767	0.00281	1	09/18/2019 10:28	WG1347118
Xylenes, Total	U		0.00537	0.00730	1	09/18/2019 10:28	WG1347118
(S) Toluene-d8	*104*			*75.0-131*		*09/18/2019 10:28*	WG1347118
(S) 4-Bromofluorobenzene	*99.8*			*67.0-138*		*09/18/2019 10:28*	WG1347118
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*09/18/2019 10:28*	WG1347118

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.8		1	09/18/2019 13:36	WG1347352

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0166	0.0302	1	09/18/2019 10:48	WG1347118
Acrylonitrile	U		0.00230	0.0151	1	09/18/2019 10:48	WG1347118
Benzene	U		0.000483	0.00121	1	09/18/2019 10:48	WG1347118
Bromobenzene	U		0.00127	0.0151	1	09/18/2019 10:48	WG1347118
Bromodichloromethane	U		0.000952	0.00302	1	09/18/2019 10:48	WG1347118
Bromochloromethane	U		0.00137	0.00604	1	09/18/2019 10:48	WG1347118
Bromoform	U		0.00722	0.0302	1	09/18/2019 10:48	WG1347118
Bromomethane	U		0.00447	0.0151	1	09/18/2019 10:48	WG1347118
n-Butylbenzene	U		0.00464	0.0151	1	09/18/2019 10:48	WG1347118
sec-Butylbenzene	U		0.00306	0.0151	1	09/18/2019 10:48	WG1347118
tert-Butylbenzene	U		0.00187	0.00604	1	09/18/2019 10:48	WG1347118
Carbon disulfide	U		0.00491	0.0151	1	09/18/2019 10:48	WG1347118
Carbon tetrachloride	U		0.00130	0.00604	1	09/18/2019 10:48	WG1347118
Chlorobenzene	U		0.000692	0.00302	1	09/18/2019 10:48	WG1347118
Chlorodibromomethane	U		0.000544	0.00302	1	09/18/2019 10:48	WG1347118
Chloroethane	U		0.00130	0.00604	1	09/18/2019 10:48	WG1347118
Chloroform	0.000715	B J	0.000501	0.00302	1	09/18/2019 10:48	WG1347118
Chloromethane	U		0.00168	0.0151	1	09/18/2019 10:48	WG1347118
2-Chlorotoluene	U		0.00111	0.00302	1	09/18/2019 10:48	WG1347118
4-Chlorotoluene	U		0.00137	0.00604	1	09/18/2019 10:48	WG1347118
1,2-Dibromo-3-Chloropropane	U	J0	0.00616	0.0302	1	09/18/2019 10:48	WG1347118
1,2-Dibromoethane	U		0.000634	0.00302	1	09/18/2019 10:48	WG1347118
Dibromomethane	U		0.00121	0.00604	1	09/18/2019 10:48	WG1347118
1,2-Dichlorobenzene	U		0.00175	0.00604	1	09/18/2019 10:48	WG1347118
1,3-Dichlorobenzene	U		0.00205	0.00604	1	09/18/2019 10:48	WG1347118
1,4-Dichlorobenzene	U		0.00238	0.00604	1	09/18/2019 10:48	WG1347118
Dichlorodifluoromethane	U		0.000988	0.00302	1	09/18/2019 10:48	WG1347118
1,1-Dichloroethane	U		0.000695	0.00302	1	09/18/2019 10:48	WG1347118
1,2-Dichloroethane	U		0.000574	0.00302	1	09/18/2019 10:48	WG1347118
1,1-Dichloroethene	U		0.000604	0.00302	1	09/18/2019 10:48	WG1347118
cis-1,2-Dichloroethene	U		0.000834	0.00302	1	09/18/2019 10:48	WG1347118
trans-1,2-Dichloroethene	U		0.00173	0.00604	1	09/18/2019 10:48	WG1347118
1,2-Dichloropropane	U		0.00153	0.00604	1	09/18/2019 10:48	WG1347118
1,1-Dichloropropene	U		0.000846	0.00302	1	09/18/2019 10:48	WG1347118
1,3-Dichloropropane	U		0.00211	0.00604	1	09/18/2019 10:48	WG1347118
cis-1,3-Dichloropropene	U		0.000819	0.00302	1	09/18/2019 10:48	WG1347118
trans-1,3-Dichloropropene	U		0.00185	0.00604	1	09/18/2019 10:48	WG1347118
trans-1,4-Dichloro-2-butene	U	J0	0.00169	0.00604	1	09/18/2019 10:48	WG1347118
2,2-Dichloropropane	U		0.000958	0.00302	1	09/18/2019 10:48	WG1347118
Di-isopropyl ether	U		0.000423	0.00121	1	09/18/2019 10:48	WG1347118
Ethylbenzene	U		0.000640	0.00302	1	09/18/2019 10:48	WG1347118
Hexachloro-1,3-butadiene	U		0.0153	0.0302	1	09/18/2019 10:48	WG1347118
2-Hexanone	U		0.0121	0.0302	1	09/18/2019 10:48	WG1347118
n-Hexane	U		0.00128	0.00604	1	09/18/2019 10:48	WG1347118
Iodomethane	U		0.00731	0.0151	1	09/18/2019 10:48	WG1347118
Isopropylbenzene	U		0.00104	0.00302	1	09/18/2019 10:48	WG1347118
p-Isopropyltoluene	U		0.00282	0.00604	1	09/18/2019 10:48	WG1347118
2-Butanone (MEK)	U		0.0151	0.0302	1	09/18/2019 10:48	WG1347118
Methylene Chloride	0.0117	B J	0.00802	0.0302	1	09/18/2019 10:48	WG1347118
4-Methyl-2-pentanone (MIBK)	U		0.0121	0.0302	1	09/18/2019 10:48	WG1347118

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000356	0.00121	1	09/18/2019 10:48	WG1347118
Naphthalene	U		0.00377	0.0151	1	09/18/2019 10:48	WG1347118
n-Propylbenzene	U		0.00143	0.00604	1	09/18/2019 10:48	WG1347118
Styrene	U		0.00330	0.0151	1	09/18/2019 10:48	WG1347118
1,1,1,2-Tetrachloroethane	U		0.000604	0.00302	1	09/18/2019 10:48	WG1347118
1,1,2,2-Tetrachloroethane	U	J0	0.000471	0.00302	1	09/18/2019 10:48	WG1347118
1,1,2-Trichlorotrifluoroethane	U		0.000816	0.00302	1	09/18/2019 10:48	WG1347118
Tetrachloroethene	U		0.000846	0.00302	1	09/18/2019 10:48	WG1347118
Toluene	0.0108		0.00151	0.00604	1	09/18/2019 10:48	WG1347118
1,2,3-Trichlorobenzene	U		0.000755	0.00302	1	09/18/2019 10:48	WG1347118
1,2,4-Trichlorobenzene	U		0.00582	0.0151	1	09/18/2019 10:48	WG1347118
1,1,1-Trichloroethane	U		0.000332	0.00302	1	09/18/2019 10:48	WG1347118
1,1,2-Trichloroethane	U		0.00107	0.00302	1	09/18/2019 10:48	WG1347118
Trichloroethene	U		0.000483	0.00121	1	09/18/2019 10:48	WG1347118
Trichlorofluoromethane	U		0.000604	0.00302	1	09/18/2019 10:48	WG1347118
1,2,3-Trichloropropane	U		0.00616	0.0151	1	09/18/2019 10:48	WG1347118
1,2,4-Trimethylbenzene	U		0.00140	0.00604	1	09/18/2019 10:48	WG1347118
1,2,3-Trimethylbenzene	U		0.00139	0.00604	1	09/18/2019 10:48	WG1347118
1,3,5-Trimethylbenzene	U		0.00130	0.00604	1	09/18/2019 10:48	WG1347118
Vinyl acetate	U		0.00425	0.0151	1	09/18/2019 10:48	WG1347118
Vinyl chloride	U		0.000825	0.00302	1	09/18/2019 10:48	WG1347118
Xylenes, Total	U		0.00578	0.00785	1	09/18/2019 10:48	WG1347118
(S) Toluene-d8	*104*			*75.0-131*		*09/18/2019 10:48*	WG1347118
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*09/18/2019 10:48*	WG1347118
(S) 1,2-Dichloroethane-d4	*99.8*			*70.0-130*		*09/18/2019 10:48*	WG1347118

Method Blank (MB)

(MB) R3452247-1 09/18/19 13:06

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

L1138822-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1138822-02 09/18/19 13:06 • (DUP) R3452247-3 09/18/19 13:06

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	87.7	89.0	1	1.54		10

Laboratory Control Sample (LCS)

(LCS) R3452247-2 09/18/19 13:06

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

Method Blank (MB)

(MB) R3452248-1 09/18/19 13:22

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00300			

L1138822-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1138822-10 09/18/19 13:22 • (DUP) R3452248-3 09/18/19 13:22

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	83.9	84.4	1	0.673		10

Laboratory Control Sample (LCS)

(LCS) R3452248-2 09/18/19 13:22

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) R3452249-1 09/18/19 13:36

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00300			

L1138824-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1138824-01 09/18/19 13:36 • (DUP) R3452249-3 09/18/19 13:36

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	83.7	81.7	1	2.37		10

Laboratory Control Sample (LCS)

(LCS) R3452249-2 09/18/19 13:36

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	49.9	99.8	85.0-115	

Method Blank (MB)

(MB) R3450902-3 09/14/19 10:32

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) R3450902-3 09/14/19 10:32

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	0.253	J	0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*101*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*

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

(LCS) R3450902-1 09/14/19 09:11 • (LCSD) R3450902-2 09/14/19 09:31

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	125	157	155	126	124	19.0-160			1.74	27
Acrylonitrile	125	134	131	107	105	55.0-149			2.69	20
Benzene	25.0	23.9	22.6	95.5	90.6	70.0-123			5.24	20
Bromobenzene	25.0	26.4	26.8	105	107	73.0-121			1.71	20
Bromodichloromethane	25.0	26.3	25.5	105	102	75.0-120			2.95	20
Bromochloromethane	25.0	25.7	24.5	103	98.2	76.0-122			4.49	20
Bromoform	25.0	27.0	26.6	108	106	68.0-132			1.62	20
Bromomethane	25.0	23.1	22.5	92.3	89.8	10.0-160			2.76	25
n-Butylbenzene	25.0	22.4	22.4	89.5	89.5	73.0-125			0.0533	20
sec-Butylbenzene	25.0	24.2	23.9	96.8	95.7	75.0-125			1.20	20
tert-Butylbenzene	25.0	25.8	25.6	103	102	76.0-124			0.806	20
Carbon disulfide	25.0	23.1	20.8	92.4	83.4	61.0-128			10.2	20
Carbon tetrachloride	25.0	24.4	22.7	97.5	90.7	68.0-126			7.25	20
Chlorobenzene	25.0	24.4	23.3	97.6	93.3	80.0-121			4.55	20
Chlorodibromomethane	25.0	25.1	24.8	101	99.2	77.0-125			1.41	20
Chloroethane	25.0	23.2	22.4	92.9	89.8	47.0-150			3.37	20
Chloroform	25.0	24.8	23.7	99.3	94.8	73.0-120			4.62	20
Chloromethane	25.0	20.5	20.9	82.1	83.8	41.0-142			2.08	20
2-Chlorotoluene	25.0	26.8	27.1	107	109	76.0-123			1.25	20
4-Chlorotoluene	25.0	27.1	27.5	108	110	75.0-122			1.48	20
1,2-Dibromo-3-Chloropropane	25.0	22.5	24.3	90.0	97.3	58.0-134			7.73	20
1,2-Dibromoethane	25.0	26.4	25.7	106	103	80.0-122			2.67	20
Dibromomethane	25.0	25.9	25.0	104	100	80.0-120			3.61	20
1,2-Dichlorobenzene	25.0	22.0	23.0	88.0	92.2	79.0-121			4.61	20
1,3-Dichlorobenzene	25.0	23.0	23.6	92.0	94.3	79.0-120			2.49	20
1,4-Dichlorobenzene	25.0	23.3	24.2	93.2	96.9	79.0-120			3.83	20
Dichlorodifluoromethane	25.0	23.5	21.9	94.0	87.7	51.0-149			6.89	20
1,1-Dichloroethane	25.0	23.7	22.2	95.0	88.9	70.0-126			6.62	20
1,2-Dichloroethane	25.0	26.5	25.8	106	103	70.0-128			2.63	20
1,1-Dichloroethene	25.0	23.8	22.0	95.1	88.1	71.0-124			7.63	20
cis-1,2-Dichloroethene	25.0	24.3	22.4	97.1	89.6	73.0-120			8.05	20
trans-1,2-Dichloroethene	25.0	24.9	22.8	99.7	91.1	73.0-120			9.00	20
1,2-Dichloropropane	25.0	23.8	23.2	95.2	92.8	77.0-125			2.59	20
1,1-Dichloropropene	25.0	24.5	22.5	97.9	90.2	74.0-126			8.22	20
1,3-Dichloropropane	25.0	26.1	25.5	104	102	80.0-120			1.96	20
cis-1,3-Dichloropropene	25.0	25.9	25.0	103	99.9	80.0-123			3.48	20
trans-1,3-Dichloropropene	25.0	26.0	25.5	104	102	78.0-124			2.02	20
trans-1,4-Dichloro-2-butene	25.0	20.4	22.7	81.4	90.8	33.0-144			10.9	20
2,2-Dichloropropane	25.0	25.5	23.5	102	93.9	58.0-130			8.22	20
Di-isopropyl ether	25.0	25.0	24.0	99.9	96.2	58.0-138			3.84	20

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

(LCS) R3450902-1 09/14/19 09:11 • (LCSD) R3450902-2 09/14/19 09:31

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	25.0	24.1	22.6	96.4	90.5	79.0-123			6.29	20
Hexachloro-1,3-butadiene	25.0	19.7	21.8	78.9	87.3	54.0-138			10.0	20
2-Hexanone	125	131	130	104	104	67.0-149			0.499	20
n-Hexane	25.0	21.7	20.4	86.9	81.7	57.0-133			6.18	20
Iodomethane	125	124	117	99.2	93.3	33.0-147			6.13	26
Isopropylbenzene	25.0	24.5	23.1	98.1	92.3	76.0-127			6.05	20
p-Isopropyltoluene	25.0	24.0	24.0	95.8	96.1	76.0-125			0.312	20
2-Butanone (MEK)	125	145	143	116	115	44.0-160			1.10	20
Methylene Chloride	25.0	24.4	23.4	97.7	93.5	67.0-120			4.31	20
4-Methyl-2-pentanone (MIBK)	125	132	131	105	104	68.0-142			0.878	20
Methyl tert-butyl ether	25.0	26.8	26.3	107	105	68.0-125			1.84	20
Naphthalene	25.0	18.5	20.7	74.1	82.9	54.0-135			11.2	20
n-Propylbenzene	25.0	27.1	27.0	108	108	77.0-124			0.342	20
Styrene	25.0	25.4	24.4	101	97.6	73.0-130			3.87	20
1,1,1,2-Tetrachloroethane	25.0	24.8	24.4	99.1	97.5	75.0-125			1.62	20
1,1,2,2-Tetrachloroethane	25.0	29.3	30.0	117	120	65.0-130			2.30	20
1,1,2-Trichlorotrifluoroethane	25.0	23.1	20.2	92.2	80.9	69.0-132			13.1	20
Tetrachloroethene	25.0	24.7	22.8	98.6	91.2	72.0-132			7.87	20
Toluene	25.0	23.4	22.2	93.4	88.6	79.0-120			5.31	20
1,2,3-Trichlorobenzene	25.0	19.2	21.5	76.8	86.2	50.0-138			11.5	20
1,2,4-Trichlorobenzene	25.0	21.4	22.8	85.6	91.1	57.0-137			6.17	20
1,1,1-Trichloroethane	25.0	25.5	23.3	102	93.3	73.0-124			8.95	20
1,1,2-Trichloroethane	25.0	26.1	25.5	105	102	80.0-120			2.47	20
Trichloroethene	25.0	24.8	23.4	99.0	93.6	78.0-124			5.70	20
Trichlorofluoromethane	25.0	24.0	22.6	96.1	90.3	59.0-147			6.16	20
1,2,3-Trichloropropane	25.0	31.4	32.6	126	130	73.0-130			3.61	20
1,2,4-Trimethylbenzene	25.0	26.4	26.4	106	106	76.0-121			0.153	20
1,2,3-Trimethylbenzene	25.0	24.7	24.8	98.7	99.3	77.0-120			0.632	20
1,3,5-Trimethylbenzene	25.0	27.3	26.9	109	108	76.0-122			1.57	20
Vinyl acetate	125	135	133	108	106	11.0-160			1.42	20
Vinyl chloride	25.0	23.3	21.0	93.1	83.9	67.0-131			10.4	20
Xylenes, Total	75.0	74.1	70.5	98.8	94.0	79.0-123			4.98	20
(S) Toluene-d8				*102*	*102*	*80.0-120*				
(S) 4-Bromofluorobenzene				*102*	*97.0*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*113*	*110*	*70.0-130*				

Method Blank (MB)

(MB) R3452129-3 09/17/19 09:09

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

Method Blank (MB)

(MB) R3452129-3 09/17/19 09:09

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000530	0.00250
Hexachloro-1,3-butadiene	U		0.0127	0.0250
n-Hexane	U		0.00106	0.00500
2-Hexanone	U		0.0100	0.0250
Iodomethane	U		0.00605	0.0125
Isopropylbenzene	U		0.000863	0.00250
p-Isopropyltoluene	U		0.00233	0.00500
2-Butanone (MEK)	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	*104*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*96.7*			*70.0-130*

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

(LCS) R3452129-1 09/17/19 07:47 • (LCSD) R3452129-2 09/17/19 08:07

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.402	0.640	64.3	102	10.0-160		J3	45.6	31
Acrylonitrile	0.625	0.546	0.679	87.4	109	45.0-153			21.7	22
Benzene	0.125	0.127	0.125	102	99.9	70.0-123			1.94	20
Bromobenzene	0.125	0.123	0.119	98.8	95.5	73.0-121			3.34	20
Bromodichloromethane	0.125	0.133	0.137	107	110	73.0-121			3.07	20
Bromochloromethane	0.125	0.146	0.155	117	124	77.0-128			6.26	20
Bromoform	0.125	0.130	0.133	104	106	64.0-132			2.56	20
Bromomethane	0.125	0.135	0.132	108	106	56.0-147			2.05	20
n-Butylbenzene	0.125	0.123	0.114	98.2	91.4	68.0-135			7.15	20
sec-Butylbenzene	0.125	0.141	0.132	113	106	74.0-130			6.58	20
tert-Butylbenzene	0.125	0.132	0.128	105	102	75.0-127			2.98	20
Carbon disulfide	0.125	0.116	0.122	93.0	97.5	56.0-133			4.65	20
Carbon tetrachloride	0.125	0.149	0.143	119	114	66.0-128			4.04	20
Chlorobenzene	0.125	0.116	0.111	93.1	88.7	76.0-128			4.86	20
Chlorodibromomethane	0.125	0.135	0.132	108	106	74.0-127			2.37	20
Chloroethane	0.125	0.126	0.128	101	102	61.0-134			1.44	20
Chloroform	0.125	0.108	0.112	86.6	89.3	72.0-123			3.11	20
Chloromethane	0.125	0.140	0.136	112	109	51.0-138			3.42	20
2-Chlorotoluene	0.125	0.119	0.116	95.1	92.5	75.0-124			2.77	20
4-Chlorotoluene	0.125	0.125	0.118	99.8	94.5	75.0-124			5.43	20
1,2-Dibromo-3-Chloropropane	0.125	0.130	0.127	104	101	59.0-130			2.39	20
1,2-Dibromoethane	0.125	0.128	0.128	102	103	74.0-128			0.452	20
Dibromomethane	0.125	0.116	0.124	92.6	99.2	75.0-122			6.89	20
1,2-Dichlorobenzene	0.125	0.129	0.122	103	97.4	76.0-124			5.67	20
1,3-Dichlorobenzene	0.125	0.132	0.129	106	103	76.0-125			2.23	20
1,4-Dichlorobenzene	0.125	0.122	0.114	97.8	91.4	77.0-121			6.71	20
trans-1,4-Dichloro-2-butene	0.125	0.137	0.128	109	102	45.0-143			6.85	20
Dichlorodifluoromethane	0.125	0.132	0.143	105	114	43.0-156			7.78	20
1,1-Dichloroethane	0.125	0.132	0.136	105	109	70.0-127			2.90	20
1,2-Dichloroethane	0.125	0.128	0.132	103	106	65.0-131			3.07	20
1,1-Dichloroethene	0.125	0.137	0.136	109	109	65.0-131			0.592	20
cis-1,2-Dichloroethene	0.125	0.118	0.122	94.2	97.5	73.0-125			3.46	20
trans-1,2-Dichloroethene	0.125	0.134	0.138	107	111	71.0-125			3.32	20
1,2-Dichloropropane	0.125	0.125	0.129	100	103	74.0-125			3.32	20
1,1-Dichloropropene	0.125	0.134	0.141	108	112	73.0-125			4.48	20
1,3-Dichloropropane	0.125	0.123	0.119	98.1	95.0	80.0-125			3.17	20
cis-1,3-Dichloropropene	0.125	0.118	0.118	94.5	94.1	76.0-127			0.451	20
trans-1,3-Dichloropropene	0.125	0.125	0.117	99.8	93.9	73.0-127			6.11	20
2,2-Dichloropropane	0.125	0.123	0.129	98.1	103	59.0-135			4.78	20
Di-isopropyl ether	0.125	0.114	0.119	91.5	95.5	60.0-136			4.34	20

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

(LCS) R3452129-1 09/17/19 07:47 • (LCSD) R3452129-2 09/17/19 08:07

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.125	0.134	0.127	108	102	74.0-126			5.52	20
Hexachloro-1,3-butadiene	0.125	0.124	0.120	99.1	96.3	57.0-150			2.85	20
2-Hexanone	0.625	0.630	0.650	101	104	54.0-147			3.07	20
n-Hexane	0.125	0.105	0.0992	83.7	79.4	55.0-137			5.23	20
Iodomethane	0.625	0.736	0.723	118	116	74.0-134			1.77	20
Isopropylbenzene	0.125	0.119	0.114	95.1	91.6	72.0-127			3.76	20
p-Isopropyltoluene	0.125	0.134	0.125	107	99.8	72.0-133			7.25	20
2-Butanone (MEK)	0.625	0.628	0.682	100	109	30.0-160			8.28	24
Methylene Chloride	0.125	0.133	0.138	106	110	68.0-123			3.84	20
4-Methyl-2-pentanone (MIBK)	0.625	0.628	0.631	100	101	56.0-143			0.524	20
Methyl tert-butyl ether	0.125	0.138	0.137	110	109	66.0-132			0.903	20
Naphthalene	0.125	0.123	0.126	98.5	101	59.0-130			2.49	20
n-Propylbenzene	0.125	0.117	0.111	93.9	88.6	74.0-126			5.81	20
Styrene	0.125	0.129	0.124	103	99.5	72.0-127			3.58	20
1,1,1,2-Tetrachloroethane	0.125	0.137	0.136	109	109	74.0-129			0.446	20
1,1,2,2-Tetrachloroethane	0.125	0.114	0.0978	91.4	78.2	68.0-128			15.5	20
Tetrachloroethene	0.125	0.142	0.150	113	120	70.0-136			5.46	20
Toluene	0.125	0.119	0.118	95.3	94.5	75.0-121			0.826	20
1,1,2-Trichlorotrifluoroethane	0.125	0.115	0.120	91.8	95.7	61.0-139			4.11	20
1,2,3-Trichlorobenzene	0.125	0.116	0.120	92.9	95.7	59.0-139			2.92	20
1,2,4-Trichlorobenzene	0.125	0.131	0.141	105	113	62.0-137			6.96	20
1,1,1-Trichloroethane	0.125	0.144	0.149	115	119	69.0-126			3.19	20
1,1,2-Trichloroethane	0.125	0.142	0.136	113	109	78.0-123			4.06	20
Trichloroethene	0.125	0.140	0.139	112	111	76.0-126			0.574	20
Trichlorofluoromethane	0.125	0.119	0.122	95.1	97.8	61.0-142			2.78	20
1,2,3-Trichloropropane	0.125	0.127	0.124	102	99.4	67.0-129			2.08	20
1,2,3-Trimethylbenzene	0.125	0.129	0.122	103	97.5	74.0-124			5.59	20
1,2,4-Trimethylbenzene	0.125	0.126	0.118	101	94.5	70.0-126			6.38	20
1,3,5-Trimethylbenzene	0.125	0.128	0.117	102	93.3	73.0-127			9.22	20
Vinyl acetate	0.625	0.583	0.585	93.3	93.5	43.0-159			0.225	20
Vinyl chloride	0.125	0.146	0.147	117	118	63.0-134			0.793	20
Xylenes, Total	0.375	0.378	0.365	101	97.3	72.0-127			3.50	20
(S) Toluene-d8				*107*	*106*	*75.0-131*				
(S) 4-Bromofluorobenzene				*106*	*104*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*99.8*	*107*	*70.0-130*				

Method Blank (MB)

(MB) R3452043-3 09/18/19 08:01

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0137	0.0250
Acrylonitrile	U		0.00190	0.0125
Benzene	U		0.000400	0.00100
Bromobenzene	U		0.00105	0.0125
Bromodichloromethane	U		0.000788	0.00250
Bromochloromethane	U		0.00113	0.00500
Bromoform	U		0.00598	0.0250
Bromomethane	U		0.00370	0.0125
n-Butylbenzene	U		0.00384	0.0125
sec-Butylbenzene	U		0.00253	0.0125
tert-Butylbenzene	U		0.00155	0.00500
Carbon disulfide	U		0.00406	0.0125
Carbon tetrachloride	U		0.00108	0.00500
Chlorobenzene	U		0.000573	0.00250
Chlorodibromomethane	U		0.000450	0.00250
Chloroethane	U		0.00108	0.00500
Chloroform	0.00102	J	0.000415	0.00250
Chloromethane	U		0.00139	0.0125
2-Chlorotoluene	U		0.000920	0.00250
4-Chlorotoluene	U		0.00113	0.00500
1,2-Dibromo-3-Chloropropane	U	J0	0.00510	0.0250
1,2-Dibromoethane	U		0.000525	0.00250
Dibromomethane	U		0.00100	0.00500
1,2-Dichlorobenzene	U		0.00145	0.00500
1,3-Dichlorobenzene	U		0.00170	0.00500
1,4-Dichlorobenzene	U		0.00197	0.00500
trans-1,4-Dichloro-2-butene	U	J0	0.00140	0.00500
Dichlorodifluoromethane	U		0.000818	0.00250
1,1-Dichloroethane	U		0.000575	0.00250
1,2-Dichloroethane	U		0.000475	0.00250
1,1-Dichloroethene	U		0.000500	0.00250
cis-1,2-Dichloroethene	U		0.000690	0.00250
trans-1,2-Dichloroethene	U		0.00143	0.00500
1,2-Dichloropropane	U		0.00127	0.00500
1,1-Dichloropropene	U		0.000700	0.00250
1,3-Dichloropropane	U		0.00175	0.00500
cis-1,3-Dichloropropene	U		0.000678	0.00250
trans-1,3-Dichloropropene	U		0.00153	0.00500
2,2-Dichloropropane	U		0.000793	0.00250
Di-isopropyl ether	U		0.000350	0.00100

Method Blank (MB)

(MB) R3452043-3 09/18/19 08:01

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000530	0.00250
Hexachloro-1,3-butadiene	U		0.0127	0.0250
n-Hexane	U		0.00106	0.00500
2-Hexanone	U		0.0100	0.0250
Iodomethane	U		0.00605	0.0125
Isopropylbenzene	U		0.000863	0.00250
p-Isopropyltoluene	U		0.00233	0.00500
2-Butanone (MEK)	U		0.0125	0.0250
Methylene Chloride	0.00863	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	J0	0.000390	0.00250
Tetrachloroethene	U		0.000700	0.00250
Toluene	U		0.00125	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000675	0.00250
1,2,3-Trichlorobenzene	U		0.000625	0.00250
1,2,4-Trichlorobenzene	U		0.00482	0.0125
1,1,1-Trichloroethane	U		0.000275	0.00250
1,1,2-Trichloroethane	U		0.000883	0.00250
Trichloroethene	U		0.000400	0.00100
Trichlorofluoromethane	U		0.000500	0.00250
1,2,3-Trichloropropane	U		0.00510	0.0125
1,2,3-Trimethylbenzene	U		0.00115	0.00500
1,2,4-Trimethylbenzene	U		0.00116	0.00500
1,3,5-Trimethylbenzene	U		0.00108	0.00500
Vinyl acetate	U		0.00352	0.0125
Vinyl chloride	U		0.000683	0.00250
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	*105*			*75.0-131*
(S) 4-Bromofluorobenzene	*104*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*93.9*			*70.0-130*

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

(LCS) R3452043-1 09/18/19 05:59 • (LCSD) R3452043-2 09/18/19 06:19

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.511	0.514	81.8	82.3	10.0-160			0.554	31
Acrylonitrile	0.625	0.523	0.514	83.8	82.3	45.0-153			1.77	22
Benzene	0.125	0.127	0.125	101	99.7	70.0-123			1.74	20
Bromobenzene	0.125	0.114	0.115	91.4	92.1	73.0-121			0.719	20
Bromodichloromethane	0.125	0.132	0.133	106	107	73.0-121			0.826	20
Bromochloromethane	0.125	0.149	0.148	120	119	77.0-128			0.751	20
Bromoform	0.125	0.115	0.113	92.1	90.5	64.0-132			1.70	20
Bromomethane	0.125	0.131	0.134	105	107	56.0-147			1.93	20
n-Butylbenzene	0.125	0.106	0.108	85.2	86.8	68.0-135			1.88	20
sec-Butylbenzene	0.125	0.124	0.127	99.4	101	74.0-130			1.96	20
tert-Butylbenzene	0.125	0.119	0.116	95.5	92.7	75.0-127			2.89	20
Carbon disulfide	0.125	0.120	0.119	95.8	95.0	56.0-133			0.814	20
Carbon tetrachloride	0.125	0.146	0.142	117	113	66.0-128			2.87	20
Chlorobenzene	0.125	0.106	0.106	84.7	84.4	76.0-128			0.373	20
Chlorodibromomethane	0.125	0.126	0.129	101	103	74.0-127			2.44	20
Chloroethane	0.125	0.123	0.127	98.2	101	61.0-134			3.23	20
Chloroform	0.125	0.113	0.109	90.2	86.9	72.0-123			3.72	20
Chloromethane	0.125	0.131	0.128	105	102	51.0-138			2.01	20
2-Chlorotoluene	0.125	0.109	0.109	87.1	87.4	75.0-124			0.364	20
4-Chlorotoluene	0.125	0.115	0.114	91.9	91.6	75.0-124			0.406	20
1,2-Dibromo-3-Chloropropane	0.125	0.0975	0.105	78.0	83.8	59.0-130	J0	J0	7.17	20
1,2-Dibromoethane	0.125	0.118	0.120	94.1	95.8	74.0-128			1.81	20
Dibromomethane	0.125	0.116	0.114	92.8	91.0	75.0-122			1.96	20
1,2-Dichlorobenzene	0.125	0.113	0.116	90.5	92.6	76.0-124			2.26	20
1,3-Dichlorobenzene	0.125	0.114	0.123	91.2	98.4	76.0-125			7.55	20
1,4-Dichlorobenzene	0.125	0.111	0.112	88.6	89.3	77.0-121			0.811	20
trans-1,4-Dichloro-2-butene	0.125	0.102	0.0947	81.9	75.8	45.0-143	J0	J0	7.72	20
Dichlorodifluoromethane	0.125	0.145	0.151	116	120	43.0-156			3.91	20
1,1-Dichloroethane	0.125	0.136	0.132	109	106	70.0-127			2.77	20
1,2-Dichloroethane	0.125	0.133	0.126	106	100	65.0-131			5.63	20
1,1-Dichloroethene	0.125	0.140	0.134	112	107	65.0-131			4.47	20
cis-1,2-Dichloroethene	0.125	0.125	0.118	100	94.2	73.0-125			6.17	20
trans-1,2-Dichloroethene	0.125	0.133	0.132	107	106	71.0-125			0.808	20
1,2-Dichloropropane	0.125	0.128	0.125	102	99.6	74.0-125			2.54	20
1,1-Dichloropropene	0.125	0.134	0.135	107	108	73.0-125			0.868	20
1,3-Dichloropropane	0.125	0.113	0.113	90.0	90.2	80.0-125			0.248	20
cis-1,3-Dichloropropene	0.125	0.114	0.111	91.6	89.1	76.0-127			2.75	20
trans-1,3-Dichloropropene	0.125	0.115	0.118	92.4	94.3	73.0-127			2.11	20
2,2-Dichloropropane	0.125	0.132	0.129	106	103	59.0-135			2.33	20
Di-isopropyl ether	0.125	0.113	0.114	90.7	91.0	60.0-136			0.376	20

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

(LCS) R3452043-1 09/18/19 05:59 • (LCSD) R3452043-2 09/18/19 06:19

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.125	0.125	0.124	100	99.1	74.0-126			1.01	20
Hexachloro-1,3-butadiene	0.125	0.117	0.120	93.5	95.9	57.0-150			2.53	20
2-Hexanone	0.625	0.492	0.495	78.8	79.1	54.0-147			0.454	20
n-Hexane	0.125	0.103	0.103	82.3	82.3	55.0-137			0.00680	20
Iodomethane	0.625	0.708	0.705	113	113	74.0-134			0.428	20
Isopropylbenzene	0.125	0.112	0.109	89.4	87.5	72.0-127			2.11	20
p-Isopropyltoluene	0.125	0.121	0.121	96.8	97.0	72.0-133			0.272	20
2-Butanone (MEK)	0.625	0.573	0.556	91.7	89.0	30.0-160			3.02	24
Methylene Chloride	0.125	0.139	0.131	111	104	68.0-123			6.38	20
4-Methyl-2-pentanone (MIBK)	0.625	0.504	0.503	80.7	80.5	56.0-143			0.201	20
Methyl tert-butyl ether	0.125	0.135	0.137	108	109	66.0-132			1.28	20
Naphthalene	0.125	0.106	0.108	84.5	86.8	59.0-130			2.69	20
n-Propylbenzene	0.125	0.106	0.105	84.7	84.0	74.0-126			0.811	20
Styrene	0.125	0.120	0.119	96.0	95.4	72.0-127			0.611	20
1,1,1,2-Tetrachloroethane	0.125	0.131	0.128	105	102	74.0-129			2.61	20
1,1,2,2-Tetrachloroethane	0.125	0.0864	0.0883	69.2	70.6	68.0-128	J0	J0	2.08	20
Tetrachloroethene	0.125	0.141	0.141	112	113	70.0-136			0.225	20
Toluene	0.125	0.112	0.114	90.0	90.8	75.0-121			0.978	20
1,1,2-Trichlorotrifluoroethane	0.125	0.125	0.122	99.9	97.8	61.0-139			2.09	20
1,2,3-Trichlorobenzene	0.125	0.101	0.107	81.2	85.4	59.0-139			5.08	20
1,2,4-Trichlorobenzene	0.125	0.120	0.130	95.7	104	62.0-137			8.01	20
1,1,1-Trichloroethane	0.125	0.152	0.149	122	119	69.0-126			2.20	20
1,1,2-Trichloroethane	0.125	0.123	0.131	98.3	105	78.0-123			6.26	20
Trichloroethene	0.125	0.141	0.134	113	107	76.0-126			5.40	20
Trichlorofluoromethane	0.125	0.125	0.125	100	99.9	61.0-142			0.169	20
1,2,3-Trichloropropane	0.125	0.0997	0.106	79.8	84.8	67.0-129			6.15	20
1,2,3-Trimethylbenzene	0.125	0.116	0.119	92.8	95.1	74.0-124			2.49	20
1,2,4-Trimethylbenzene	0.125	0.114	0.113	91.5	90.8	70.0-126			0.826	20
1,3,5-Trimethylbenzene	0.125	0.112	0.114	89.7	91.4	73.0-127			1.92	20
Vinyl acetate	0.625	0.576	0.567	92.1	90.7	43.0-159			1.54	20
Vinyl chloride	0.125	0.151	0.151	121	121	63.0-134			0.0932	20
Xylenes, Total	0.375	0.354	0.358	94.4	95.5	72.0-127			1.12	20
(S) Toluene-d8				*104*	*102*	*75.0-131*				
(S) 4-Bromofluorobenzene				*105*	*104*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*105*	*104*	*70.0-130*				

L1139294-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1139294-03 09/18/19 12:10 • (MS) R3452043-4 09/18/19 15:35 • (MSD) R3452043-5 09/18/19 15:55

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.649	U	3.05	2.52	58.7	48.5	8	10.0-160			19.1	40
Acrylonitrile	0.649	U	3.21	2.54	61.8	48.9	8	10.0-160			23.3	40
Benzene	0.130	U	0.413	0.418	39.8	40.3	8	10.0-149			1.12	37
Bromobenzene	0.130	U	0.520	0.423	50.1	40.7	8	10.0-156			20.7	38
Bromodichloromethane	0.130	U	0.549	0.489	52.8	47.1	8	10.0-143			11.5	37
Bromochloromethane	0.130	U	0.664	0.592	63.9	57.0	8	10.0-155			11.4	33
Bromoform	0.130	U	0.554	0.467	53.3	45.0	8	10.0-146			16.9	36
Bromomethane	0.130	U	0.377	0.379	36.3	36.5	8	10.0-149			0.663	38
n-Butylbenzene	0.130	0.0704	0.521	0.533	43.4	44.5	8	10.0-160			2.21	40
sec-Butylbenzene	0.130	0.896	1.20	1.19	29.0	28.4	8	10.0-159			0.593	39
tert-Butylbenzene	0.130	0.0906	0.536	0.535	42.9	42.8	8	10.0-156			0.308	39
Carbon disulfide	0.130	U	0.271	0.300	26.1	28.9	8	10.0-145			10.3	39
Carbon tetrachloride	0.130	U	0.367	0.404	35.4	38.8	8	10.0-145			9.37	37
Chlorobenzene	0.130	U	0.536	0.514	51.6	49.5	8	10.0-152			4.18	39
Chlorodibromomethane	0.130	U	0.597	0.485	57.5	46.7	8	10.0-146			20.7	37
Chloroethane	0.130	U	0.356	0.357	34.3	34.4	8	10.0-146			0.290	40
Chloroform	0.130	U	0.406	0.392	39.1	37.8	8	10.0-146			3.47	37
Chloromethane	0.130	U	0.347	0.377	33.4	36.3	8	10.0-159			8.45	37
2-Chlorotoluene	0.130	U	0.495	0.445	47.7	42.9	8	10.0-159			10.6	38
4-Chlorotoluene	0.130	U	0.447	0.409	43.1	39.4	8	10.0-155			8.95	39
1,2-Dibromo-3-Chloropropane	0.130	U	0.573	0.464	55.2	44.6	8	10.0-151			21.1	39
1,2-Dibromoethane	0.130	U	0.586	0.499	56.4	48.1	8	10.0-148			15.9	34
Dibromomethane	0.130	U	0.565	0.501	54.4	48.3	8	10.0-147			11.9	35
1,2-Dichlorobenzene	0.130	U	0.539	0.447	51.9	43.0	8	10.0-155			18.7	37
1,3-Dichlorobenzene	0.130	U	0.506	0.451	48.7	43.5	8	10.0-153			11.4	38
1,4-Dichlorobenzene	0.130	U	0.486	0.419	46.8	40.4	8	10.0-151			14.8	38
trans-1,4-Dichloro-2-butene	0.130	U	2.20	1.94	212	187	8	10.0-152	J5	J5	12.4	36
Dichlorodifluoromethane	0.130	U	0.300	0.405	28.9	39.0	8	10.0-160			29.8	35
1,1-Dichloroethane	0.130	U	0.453	0.473	43.6	45.5	8	10.0-147			4.22	37
1,2-Dichloroethane	0.130	U	0.620	0.526	59.7	50.7	8	10.0-148			16.3	35
1,1-Dichloroethene	0.130	U	0.328	0.387	31.6	37.2	8	10.0-155			16.3	37
cis-1,2-Dichloroethene	0.130	U	0.417	0.417	40.2	40.2	8	10.0-149			0.0583	37
trans-1,2-Dichloroethene	0.130	U	0.382	0.410	36.8	39.4	8	10.0-150			7.04	37
1,2-Dichloropropane	0.130	U	0.523	0.474	50.4	45.6	8	10.0-148			9.94	37
1,1-Dichloropropene	0.130	U	0.354	0.404	34.1	38.9	8	10.0-153			13.3	35
1,3-Dichloropropane	0.130	U	0.535	0.462	51.6	44.5	8	10.0-154			14.8	35
cis-1,3-Dichloropropene	0.130	U	0.500	0.450	48.2	43.3	8	10.0-151			10.6	37
trans-1,3-Dichloropropene	0.130	U	0.549	0.438	52.9	42.2	8	10.0-148			22.5	37
2,2-Dichloropropane	0.130	U	0.297	0.349	28.6	33.6	8	10.0-138			16.3	36

L1139294-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1139294-03 09/18/19 12:10 • (MS) R3452043-4 09/18/19 15:35 • (MSD) R3452043-5 09/18/19 15:55

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Di-isopropyl ether	0.130	U	0.519	0.460	50.0	44.2	8	10.0-147			12.2	36
Ethylbenzene	0.130	U	0.426	0.399	41.0	38.4	8	10.0-160			6.68	38
Hexachloro-1,3-butadiene	0.130	U	0.688	0.675	66.2	65.0	8	10.0-160			1.90	40
2-Hexanone	0.649	U	2.92	2.32	56.3	44.6	8	10.0-160			23.0	36
n-Hexane	0.130	U	0.275	0.355	26.5	34.2	8	10.0-157			25.4	37
Iodomethane	0.649	U	2.16	2.24	41.5	43.2	8	10.0-160			4.03	38
Isopropylbenzene	0.130	0.284	0.590	0.577	29.5	28.2	8	10.0-155			2.24	38
p-Isopropyltoluene	0.130	U	0.522	0.504	50.3	48.5	8	10.0-160			3.56	40
2-Butanone (MEK)	0.649	U	3.05	2.62	58.8	50.5	8	10.0-160			15.1	40
Methylene Chloride	0.130	U	0.509	0.485	49.0	46.7	8	10.0-141			4.87	37
4-Methyl-2-pentanone (MIBK)	0.649	U	2.88	2.37	55.5	45.6	8	10.0-160			19.6	35
Methyl tert-butyl ether	0.130	U	0.703	0.566	67.7	54.5	8	11.0-147			21.6	35
Naphthalene	0.130	0.172	0.682	0.578	49.1	39.1	8	10.0-160			16.5	36
n-Propylbenzene	0.130	0.301	0.624	0.617	31.1	30.4	8	10.0-158			1.08	38
Styrene	0.130	U	0.496	0.450	47.8	43.3	8	10.0-160			9.77	40
1,1,1,2-Tetrachloroethane	0.130	U	0.520	0.450	50.1	43.3	8	10.0-149			14.6	39
1,1,2,2-Tetrachloroethane	0.130	U	0.581	0.479	55.9	46.1	8	10.0-160			19.3	35
Tetrachloroethene	0.130	U	0.387	0.392	37.3	37.8	8	10.0-156			1.35	39
Toluene	0.130	U	0.368	0.354	35.4	34.1	8	10.0-156			3.70	38
1,1,2-Trichlorotrifluoroethane	0.130	U	0.278	0.345	26.7	33.2	8	10.0-160			21.5	36
1,2,3-Trichlorobenzene	0.130	U	0.345	0.349	33.2	33.6	8	10.0-160			1.33	40
1,2,4-Trichlorobenzene	0.130	U	0.573	0.472	55.1	45.4	8	10.0-160			19.3	40
1,1,1-Trichloroethane	0.130	U	0.382	0.441	36.8	42.5	8	10.0-144			14.3	35
1,1,2-Trichloroethane	0.130	U	0.652	0.521	62.8	50.2	8	10.0-160			22.4	35
Trichloroethene	0.130	U	0.417	0.426	40.2	41.0	8	10.0-156			2.09	38
Trichlorofluoromethane	0.130	U	0.277	0.372	26.7	35.8	8	10.0-160			29.2	40
1,2,3-Trichloropropane	0.130	U	0.619	0.508	59.6	48.9	8	10.0-156			19.7	35
1,2,3-Trimethylbenzene	0.130	U	0.501	0.446	48.2	42.9	8	10.0-160			11.7	36
1,2,4-Trimethylbenzene	0.130	U	0.494	0.435	47.5	41.9	8	10.0-160			12.6	36
1,3,5-Trimethylbenzene	0.130	U	0.454	0.435	43.8	41.9	8	10.0-160			4.37	38
Vinyl acetate	0.649	U	2.81	2.30	54.0	44.2	8	10.0-128			20.0	40
Vinyl chloride	0.130	U	0.309	0.396	29.7	38.1	8	10.0-160			24.7	37
Xylenes, Total	0.389	U	1.25	1.18	40.0	37.9	8	10.0-160			5.39	38
(S) Toluene-d8					*100*	*98.9*		*75.0-131*				
(S) 4-Bromofluorobenzene					*102*	*107*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*101*	*103*		*70.0-130*				

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

Method Blank (MB)

(MB) R3452440-3 09/19/19 04:22

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0137	0.0250
Acrylonitrile	U		0.00190	0.0125
Benzene	U		0.000400	0.00100
Bromobenzene	U		0.00105	0.0125
Bromodichloromethane	U		0.000788	0.00250
Bromochloromethane	U		0.00113	0.00500
Bromoform	U		0.00598	0.0250
Bromomethane	U		0.00370	0.0125
n-Butylbenzene	U		0.00384	0.0125
sec-Butylbenzene	U		0.00253	0.0125
tert-Butylbenzene	U		0.00155	0.00500
Carbon disulfide	U		0.00406	0.0125
Carbon tetrachloride	U		0.00108	0.00500
Chlorobenzene	U		0.000573	0.00250
Chlorodibromomethane	U		0.000450	0.00250
Chloroethane	U		0.00108	0.00500
Chloroform	0.00152	J	0.000415	0.00250
Chloromethane	U		0.00139	0.0125
2-Chlorotoluene	U		0.000920	0.00250
4-Chlorotoluene	U		0.00113	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00510	0.0250
1,2-Dibromoethane	U		0.000525	0.00250
Dibromomethane	U		0.00100	0.00500
1,2-Dichlorobenzene	U		0.00145	0.00500
1,3-Dichlorobenzene	U		0.00170	0.00500
1,4-Dichlorobenzene	U		0.00197	0.00500
trans-1,4-Dichloro-2-butene	U		0.00140	0.00500
Dichlorodifluoromethane	U		0.000818	0.00250
1,1-Dichloroethane	U		0.000575	0.00250
1,2-Dichloroethane	U		0.000475	0.00250
1,1-Dichloroethene	U		0.000500	0.00250
cis-1,2-Dichloroethene	U		0.000690	0.00250
trans-1,2-Dichloroethene	U		0.00143	0.00500
1,2-Dichloropropane	U		0.00127	0.00500
1,1-Dichloropropene	U		0.000700	0.00250
1,3-Dichloropropane	U		0.00175	0.00500
cis-1,3-Dichloropropene	U		0.000678	0.00250
trans-1,3-Dichloropropene	U		0.00153	0.00500
2,2-Dichloropropane	U		0.000793	0.00250
Di-isopropyl ether	U		0.000350	0.00100

Method Blank (MB)

(MB) R3452440-3 09/19/19 04:22

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000530	0.00250
Hexachloro-1,3-butadiene	U		0.0127	0.0250
n-Hexane	U		0.00106	0.00500
2-Hexanone	U		0.0100	0.0250
Iodomethane	U		0.00605	0.0125
Isopropylbenzene	U		0.000863	0.00250
p-Isopropyltoluene	U		0.00233	0.00500
2-Butanone (MEK)	0.0134	J	0.0125	0.0250
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.0100	0.0250
Methyl tert-butyl ether	U		0.000295	0.00100
Naphthalene	U		0.00312	0.0125
n-Propylbenzene	U		0.00118	0.00500
Styrene	U		0.00273	0.0125
1,1,1,2-Tetrachloroethane	U		0.000500	0.00250
1,1,2,2-Tetrachloroethane	U		0.000390	0.00250
Tetrachloroethene	U		0.000700	0.00250
Toluene	U		0.00125	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000675	0.00250
1,2,3-Trichlorobenzene	U		0.000625	0.00250
1,2,4-Trichlorobenzene	U		0.00482	0.0125
1,1,1-Trichloroethane	U		0.000275	0.00250
1,1,2-Trichloroethane	U		0.000883	0.00250
Trichloroethene	U		0.000400	0.00100
Trichlorofluoromethane	U		0.000500	0.00250
1,2,3-Trichloropropane	U		0.00510	0.0125
1,2,3-Trimethylbenzene	U		0.00115	0.00500
1,2,4-Trimethylbenzene	U		0.00116	0.00500
1,3,5-Trimethylbenzene	U		0.00108	0.00500
Vinyl acetate	U		0.00352	0.0125
Vinyl chloride	U		0.000683	0.00250
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	*106*			*75.0-131*
(S) 4-Bromofluorobenzene	*95.4*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*94.9*			*70.0-130*

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

(LCS) R3452440-1 09/19/19 02:14 • (LCSD) R3452440-2 09/19/19 02:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.569	0.566	91.1	90.6	10.0-160			0.532	31
Acrylonitrile	0.625	0.579	0.568	92.7	90.9	45.0-153			2.00	22
Benzene	0.125	0.124	0.124	99.3	98.9	70.0-123			0.440	20
Bromobenzene	0.125	0.115	0.115	92.3	92.2	73.0-121			0.0309	20
Bromodichloromethane	0.125	0.118	0.116	94.7	92.7	73.0-121			2.20	20
Bromochloromethane	0.125	0.120	0.121	96.3	96.9	77.0-128			0.594	20
Bromoform	0.125	0.119	0.111	95.3	88.8	64.0-132			7.07	20
Bromomethane	0.125	0.132	0.133	106	106	56.0-147			0.578	20
n-Butylbenzene	0.125	0.133	0.130	106	104	68.0-135			2.60	20
sec-Butylbenzene	0.125	0.132	0.132	106	106	74.0-130			0.00583	20
tert-Butylbenzene	0.125	0.133	0.132	106	105	75.0-127			0.786	20
Carbon disulfide	0.125	0.123	0.120	98.3	96.3	56.0-133			2.04	20
Carbon tetrachloride	0.125	0.125	0.121	100	97.2	66.0-128			3.05	20
Chlorobenzene	0.125	0.128	0.124	103	99.1	76.0-128			3.60	20
Chlorodibromomethane	0.125	0.121	0.117	96.9	93.8	74.0-127			3.33	20
Chloroethane	0.125	0.129	0.130	103	104	61.0-134			0.608	20
Chloroform	0.125	0.122	0.122	97.5	97.2	72.0-123			0.295	20
Chloromethane	0.125	0.120	0.117	95.8	93.7	51.0-138			2.28	20
2-Chlorotoluene	0.125	0.129	0.129	104	104	75.0-124			0.0110	20
4-Chlorotoluene	0.125	0.119	0.118	94.9	94.7	75.0-124			0.175	20
1,2-Dibromo-3-Chloropropane	0.125	0.100	0.0994	80.0	79.5	59.0-130			0.527	20
1,2-Dibromoethane	0.125	0.134	0.127	107	102	74.0-128			5.20	20
Dibromomethane	0.125	0.120	0.121	96.3	97.0	75.0-122			0.722	20
1,2-Dichlorobenzene	0.125	0.132	0.131	106	105	76.0-124			0.852	20
1,3-Dichlorobenzene	0.125	0.130	0.132	104	105	76.0-125			0.826	20
1,4-Dichlorobenzene	0.125	0.128	0.126	103	101	77.0-121			1.42	20
trans-1,4-Dichloro-2-butene	0.125	0.117	0.116	93.3	93.0	45.0-143			0.259	20
Dichlorodifluoromethane	0.125	0.126	0.122	101	97.5	43.0-156			3.49	20
1,1-Dichloroethane	0.125	0.120	0.119	95.7	95.2	70.0-127			0.581	20
1,2-Dichloroethane	0.125	0.113	0.113	90.6	90.1	65.0-131			0.564	20
1,1-Dichloroethene	0.125	0.130	0.127	104	101	65.0-131			2.89	20
cis-1,2-Dichloroethene	0.125	0.122	0.123	97.9	98.7	73.0-125			0.779	20
trans-1,2-Dichloroethene	0.125	0.132	0.132	106	106	71.0-125			0.154	20
1,2-Dichloropropane	0.125	0.126	0.126	101	100	74.0-125			0.541	20
1,1-Dichloropropene	0.125	0.129	0.127	103	102	73.0-125			1.18	20
1,3-Dichloropropane	0.125	0.130	0.124	104	99.0	80.0-125			5.16	20
cis-1,3-Dichloropropene	0.125	0.126	0.125	101	99.9	76.0-127			0.807	20
trans-1,3-Dichloropropene	0.125	0.128	0.123	102	98.3	73.0-127			4.08	20
2,2-Dichloropropane	0.125	0.134	0.134	107	107	59.0-135			0.309	20
Di-isopropyl ether	0.125	0.117	0.117	93.7	93.4	60.0-136			0.255	20

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

(LCS) R3452440-1 09/19/19 02:14 • (LCSD) R3452440-2 09/19/19 02:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.125	0.134	0.126	107	101	74.0-126			5.90	20
Hexachloro-1,3-butadiene	0.125	0.139	0.142	111	114	57.0-150			2.20	20
2-Hexanone	0.625	0.590	0.568	94.4	91.0	54.0-147			3.68	20
n-Hexane	0.125	0.138	0.136	111	109	55.0-137			1.66	20
Iodomethane	0.625	0.645	0.644	103	103	74.0-134			0.224	20
Isopropylbenzene	0.125	0.132	0.127	106	102	72.0-127			3.73	20
p-Isopropyltoluene	0.125	0.135	0.133	108	106	72.0-133			1.52	20
2-Butanone (MEK)	0.625	0.547	0.542	87.5	86.7	30.0-160			1.02	24
Methylene Chloride	0.125	0.127	0.125	102	100	68.0-123			1.47	20
4-Methyl-2-pentanone (MIBK)	0.625	0.589	0.549	94.2	87.8	56.0-143			7.01	20
Methyl tert-butyl ether	0.125	0.122	0.119	97.4	95.4	66.0-132			2.08	20
Naphthalene	0.125	0.108	0.106	86.5	85.1	59.0-130			1.68	20
n-Propylbenzene	0.125	0.125	0.125	100	99.9	74.0-126			0.446	20
Styrene	0.125	0.128	0.126	103	101	72.0-127			1.93	20
1,1,1,2-Tetrachloroethane	0.125	0.132	0.125	106	99.8	74.0-129			5.94	20
1,1,2,2-Tetrachloroethane	0.125	0.118	0.116	94.7	92.6	68.0-128			2.22	20
Tetrachloroethene	0.125	0.144	0.137	115	110	70.0-136			4.86	20
Toluene	0.125	0.125	0.121	99.9	96.9	75.0-121			3.03	20
1,1,2-Trichlorotrifluoroethane	0.125	0.117	0.112	93.5	89.7	61.0-139			4.18	20
1,2,3-Trichlorobenzene	0.125	0.120	0.119	96.1	95.2	59.0-139			0.933	20
1,2,4-Trichlorobenzene	0.125	0.131	0.128	105	102	62.0-137			2.08	20
1,1,1-Trichloroethane	0.125	0.123	0.120	98.2	95.7	69.0-126			2.61	20
1,1,2-Trichloroethane	0.125	0.124	0.122	99.0	97.4	78.0-123			1.68	20
Trichloroethene	0.125	0.134	0.135	108	108	76.0-126			0.0781	20
Trichlorofluoromethane	0.125	0.122	0.119	97.8	94.9	61.0-142			3.04	20
1,2,3-Trichloropropane	0.125	0.126	0.123	101	98.5	67.0-129			2.15	20
1,2,3-Trimethylbenzene	0.125	0.123	0.121	98.2	96.6	74.0-124			1.63	20
1,2,4-Trimethylbenzene	0.125	0.122	0.122	97.8	98.0	70.0-126			0.224	20
1,3,5-Trimethylbenzene	0.125	0.128	0.126	103	101	73.0-127			1.52	20
Vinyl acetate	0.625	0.615	0.599	98.4	95.9	43.0-159			2.61	20
Vinyl chloride	0.125	0.122	0.121	97.7	96.7	63.0-134			1.01	20
Xylenes, Total	0.375	0.401	0.384	107	102	72.0-127			4.33	20
(S) Toluene-d8				*107*	*104*	*75.0-131*				
(S) 4-Bromofluorobenzene				*99.2*	*96.1*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*100*	*99.8*	*70.0-130*				

Guide to Reading and Understanding Your Laboratory Report

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

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

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

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: The identification of the analyte is acceptable, but the reported concentration is an estimate. The calibration met method criteria.
J3	The associated batch QC was outside the established quality control range for precision.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.

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

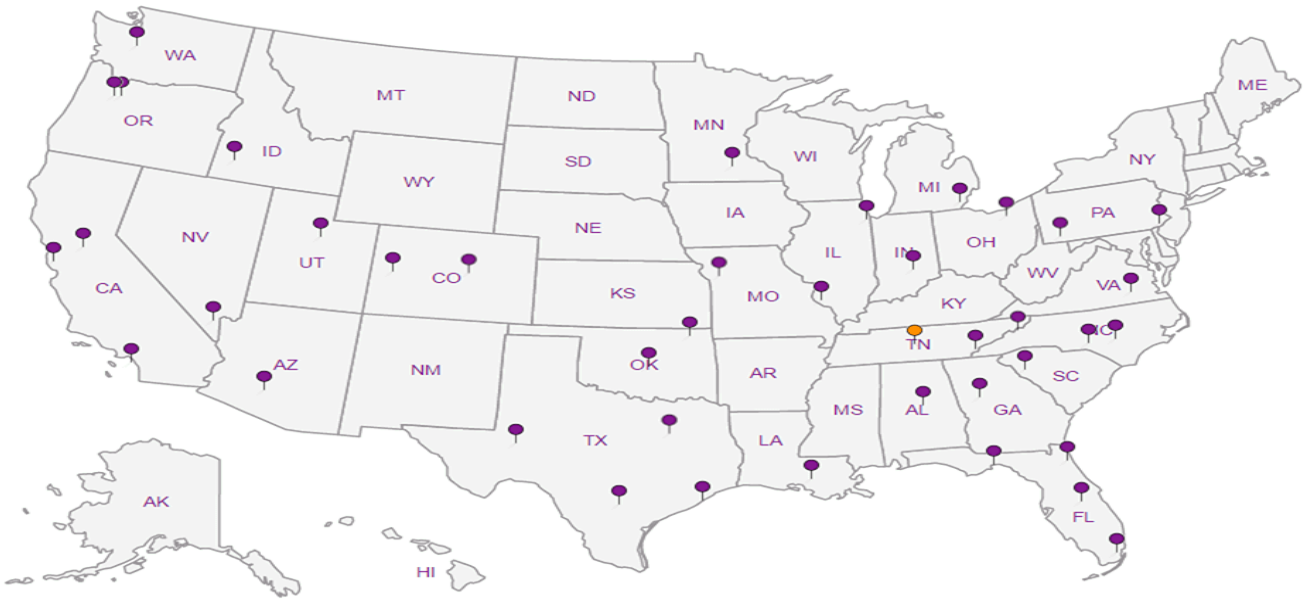
Third Party Federal Accreditations

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

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

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

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

Project Description:

City/State Collected: SEATTLE WA

Please Circle: PT MT CT ET

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

Client Project # 1413.001.02-S01B

Lab Project # PESENVSWA-ALP

Collected by (print): R. McLAUGHLIN

Site/Facility ID # ALS

P.O. #

Collected by (signature): R McLaughlin

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

SDG # L1138822

H152

Acctnum: PESENVSWA

Template: T154694

Prelogin: P725383

PM: 110 - Brian Ford

PB: 8/21/19 RMG

Shipped Via: FedEX Ground

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs 8260C 40mlAmb/MeOH5ml/Syr	dry weight 2ozClr-NoPres	Remarks	Sample # (lab only)
TRIP BLANK	—	~~SS~~	—	7/1/19	—	1	X			-01
MW-2001-95	Grab	SS	95	9/10/19	0910	1	X	X		02
MW-326-5		SS	5	9-9-19	1045	2				03
MW-326-10		SS	10		1050					04
MW-326-15		SS	15		1120					05
MW-326-20		SS	20		1124					06
MW-326-25		SS	25		1205					07
MW-326-30		SS	30		1208					08
MW-326-35		SS	35		1235					09
MW-326-40	X	SS	40	X	1240	2	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 __ FedEx X Courier _____

Tracking # 1145 2227 2697

Sample Receipt Checklist

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

	Date:	Time:		
Relinquished by : (Signature) R McLaughlin	9-10-19	1300	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeOH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 17.3 °C Bottles Received: 42 3.5-.2=3.3
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9/12/19 Time: 8:45

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Report to: Brian O'Neal/Bill Haldeman

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

Project Description:

City/State Collected: SEATTLE WA

Please Circle: PT MT CT ET

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

Client Project # 1A13.001.02.S01B

Lab Project # PESENVSWA-ALP

Collected by (print): R. MCLAUGHLIN

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs 8260C 40mlAmb/MeOH5ml/Syr	dry weight 2ozClr-NoPres								Remarks	Sample # (lab only)
MW-326-45	GRAB	SS	45	9/9/19	1300	2	X	X									-11
MW-326-50		SS	50		1305												12
MW-326-55		SS	55		1350												13
MW-326-60		SS	60		1352												14
MW-326-65		SS	65		1418												15
MW-326-70		SS	70		1420												16
MW-326-75		SS	75		1425												17
MW-326-80		SS	80	"	1428												18
MW-326-85		SS	85	9/10/19	1100												19
MW-326-90	"	SS	90	"	1105	2	X	X									20

* 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 X Courier _____

Tracking # Same

Relinquished by : (Signature) — Date: 9-10-19 — Time: 1300

Received by: (Signature)

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

Relinquished by : (Signature) — Date: — Time:

Received by: (Signature)

Temp: A°C 35-2=3.3 — Bottles Received: 42

If preservation required by Login: Date/Time

Relinquished by : (Signature) — Date: — Time:

Received for lab by: (Signature) — Date: 9/12/19 — Time: 8:45

Hold:

Condition: NCF / (OK)

Sample Receipt Checklist

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

Chain of Custody Page 2 of 3

Pace Analytical® National Center for Testing & Innovation

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

SDG # L1138822

Table #

Acctnum: PESENVSWA

Template: T154694

Prelogin: P725383

PM: 110 - Brian Ford

PB: 8/21/19 MD

Shipped Via: FedEX Ground

Chain of Custody Page 3 of 3

Pace Analytical® National Center for Testing & Innovation

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

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
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Seattle, WA 98161

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

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

Project Description:

City/State Collected: SEATTLE WA

Please Circle: PT MT CT ET

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

Client Project # 1413-001-02-SOIB

Lab Project # PESENVSWA-ALP

Collected by (print): R. MCLAUGHLIN

Site/Facility ID # ALS

P.O. #

Collected by (signature): RMM

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

SDG # L1138822

Table #

Acctnum: PESENVSWA

Template: T154694

Prelogin: P725383

PM: 110 - Brian Ford

PB: 8/21/19 mb

Shipped Via: FedEx Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs 8260C 40mlAmb/MeOH5ml/Syr	dry weight 2ozClr-NoPres	Remarks	Sample # (lab only)
MW-326-95	GRAB	SS	95	9/19/19	1107	2	X	X		21
MW-326-100	X	SS	100	X	1108	2	X	X		22
		SS								
		SS								
		SS								
		SS								
		SS								
		SS								
		SS								
		SS								

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

Remarks:

RAD SCREEN: <0.5 mR/hr

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx X Courier _____

Tracking # Save

Sample Receipt Checklist

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

	Date:	Time:		
Relinquished by : (Signature) RMM McLaughlin	9-10-19	1300	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeOH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.2 °C 3.5+2=3.3 Bottles Received: 42
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) CW	Date: 9/12/19 Time: 8:45

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

September 30, 2019

PES Environmental, Inc.- WA

Sample Delivery Group:	L1139441
Samples Received:	09/14/2019
Project Number:	1413.001.02.501B
Description:	
Site:	ALS
Report To:	Brian O'Neal/Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

Project Manager

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



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MW-314-6 L1139441-01 Solid

Collected by: R McLaughlin | Collected date/time: 09/13/19 10:05 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349074	1	09/19/19 20:12	09/19/19 20:23	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1348193	1	09/13/19 10:05	09/19/19 05:48	ACG	Mt. Juliet, TN

MW-314-10 L1139441-02 Solid

Collected by: R McLaughlin | Collected date/time: 09/13/19 10:07 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349074	1	09/19/19 20:12	09/19/19 20:23	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1348193	1.06	09/13/19 10:07	09/19/19 06:10	ACG	Mt. Juliet, TN

MW-314-15 L1139441-03 Solid

Collected by: R McLaughlin | Collected date/time: 09/13/19 10:10 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349074	1	09/19/19 20:12	09/19/19 20:23	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1348193	1	09/13/19 10:10	09/19/19 06:31	ACG	Mt. Juliet, TN

MW-314-20 L1139441-04 Solid

Collected by: R McLaughlin | Collected date/time: 09/13/19 10:12 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349074	1	09/19/19 20:12	09/19/19 20:23	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1348193	1	09/13/19 10:12	09/19/19 08:38	ACG	Mt. Juliet, TN

MW-314-25 L1139441-05 Solid

Collected by: R McLaughlin | Collected date/time: 09/13/19 10:35 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349074	1	09/19/19 20:12	09/19/19 20:23	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1348193	1	09/13/19 10:35	09/19/19 08:59	ACG	Mt. Juliet, TN

MW-314-30 L1139441-06 Solid

Collected by: R McLaughlin | Collected date/time: 09/13/19 10:37 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349074	1	09/19/19 20:12	09/19/19 20:23	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1348193	1	09/13/19 10:37	09/19/19 09:21	ACG	Mt. Juliet, TN

MW-314-35 L1139441-07 Solid

Collected by: R McLaughlin | Collected date/time: 09/13/19 10:55 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349074	1	09/19/19 20:12	09/19/19 20:23	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1348193	1	09/13/19 10:55	09/19/19 09:43	ACG	Mt. Juliet, TN

MW-314-40 L1139441-08 Solid

Collected by: R McLaughlin | Collected date/time: 09/13/19 11:00 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349074	1	09/19/19 20:12	09/19/19 20:23	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1348193	1.01	09/13/19 11:00	09/19/19 10:05	ACG	Mt. Juliet, TN

MW-314-45 L1139441-09 Solid

Collected by: R McLaughlin | Collected date/time: 09/13/19 11:37 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349074	1	09/19/19 20:12	09/19/19 20:23	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1348193	1	09/13/19 11:37	09/19/19 11:54	ACG	Mt. Juliet, TN

MW-314-50 L1139441-10 Solid

Collected by: R McLaughlin | Collected date/time: 09/13/19 11:35 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349075	1	09/19/19 20:34	09/19/19 20:45	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1348193	1	09/13/19 11:35	09/19/19 12:16	ACG	Mt. Juliet, TN

MW-314-55 L1139441-11 Solid

Collected by: R McLaughlin | Collected date/time: 09/13/19 11:40 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349075	1	09/19/19 20:34	09/19/19 20:45	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1348193	1	09/13/19 11:40	09/19/19 12:59	ACG	Mt. Juliet, TN

MW-314-60 L1139441-12 Solid

Collected by: R McLaughlin | Collected date/time: 09/13/19 11:42 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349075	1	09/19/19 20:34	09/19/19 20:45	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1348193	1	09/13/19 11:42	09/19/19 13:21	ACG	Mt. Juliet, TN

MW-314-65 L1139441-13 Solid

Collected by: R McLaughlin | Collected date/time: 09/13/19 13:15 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349075	1	09/19/19 20:34	09/19/19 20:45	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350568	1	09/13/19 13:15	09/24/19 03:49	ACG	Mt. Juliet, TN

MW-314-70 L1139441-14 Solid

Collected by: R McLaughlin | Collected date/time: 09/13/19 13:20 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349075	1	09/19/19 20:34	09/19/19 20:45	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350962	10.88	09/13/19 13:20	09/24/19 11:14	ACG	Mt. Juliet, TN

MW-314-75 L1139441-15 Solid

Collected by: R McLaughlin | Collected date/time: 09/13/19 13:22 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349075	1	09/19/19 20:34	09/19/19 20:45	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350568	2	09/13/19 13:22	09/24/19 03:08	ACG	Mt. Juliet, TN

MW-314-80 L1139441-16 Solid

Collected by: R McLaughlin | Collected date/time: 09/13/19 13:25 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349075	1	09/19/19 20:34	09/19/19 20:45	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350568	1.12	09/13/19 13:25	09/24/19 03:29	ACG	Mt. Juliet, TN

MW-2002-25 L1139441-17 Solid

Collected by: R McLaughlin | Collected date/time: 09/13/19 09:00 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349075	1	09/19/19 20:34	09/19/19 20:45	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350568	1	09/13/19 09:00	09/24/19 02:07	ACG	Mt. Juliet, TN

MW-324-6 L1139441-18 Solid

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349075	1	09/19/19 20:34	09/19/19 20:45	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349125	1	09/12/19 10:50	09/20/19 05:52	ACG	Mt. Juliet, TN

MW-324-10 L1139441-19 Solid

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349075	1	09/19/19 20:34	09/19/19 20:45	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349125	1	09/12/19 10:55	09/20/19 06:14	ACG	Mt. Juliet, TN

MW-324-15 L1139441-20 Solid

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349076	1	09/19/19 20:24	09/19/19 20:32	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349125	1	09/12/19 11:10	09/20/19 06:35	ACG	Mt. Juliet, TN

MW-324-20 L1139441-21 Solid

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349076	1	09/19/19 20:24	09/19/19 20:32	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349125	1	09/12/19 11:15	09/20/19 06:55	ACG	Mt. Juliet, TN

MW-324-25 L1139441-22 Solid

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349076	1	09/19/19 20:24	09/19/19 20:32	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349125	1	09/12/19 11:35	09/20/19 07:17	ACG	Mt. Juliet, TN

MW-324-30 L1139441-23 Solid

Collected by: R McLaughlin | Collected date/time: 09/12/19 11:40 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349076	1	09/19/19 20:24	09/19/19 20:32	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349125	1.02	09/12/19 11:40	09/20/19 07:38	ACG	Mt. Juliet, TN

MW-324-35 L1139441-24 Solid

Collected by: R McLaughlin | Collected date/time: 09/12/19 11:45 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349076	1	09/19/19 20:24	09/19/19 20:32	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349125	1	09/12/19 11:45	09/20/19 07:59	ACG	Mt. Juliet, TN

MW-324-40 L1139441-25 Solid

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349076	1	09/19/19 20:24	09/19/19 20:32	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349125	1	09/12/19 11:50	09/20/19 08:21	ACG	Mt. Juliet, TN

MW-324-45 L1139441-26 Solid

Collected by: R McLaughlin | Collected date/time: 09/12/19 12:45 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349076	1	09/19/19 20:24	09/19/19 20:32	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349125	1	09/12/19 12:45	09/20/19 08:42	ACG	Mt. Juliet, TN

MW-324-50 L1139441-27 Solid

Collected by: R McLaughlin | Collected date/time: 09/12/19 12:50 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349125	1	09/12/19 12:50	09/20/19 09:03	ACG	Mt. Juliet, TN

MW-324-55 L1139441-28 Solid

Collected by: R McLaughlin | Collected date/time: 09/12/19 12:55 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349076	1	09/19/19 20:24	09/19/19 20:32	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349125	1	09/12/19 12:55	09/20/19 09:25	ACG	Mt. Juliet, TN

MW-324-60 L1139441-29 Solid

Collected by: R McLaughlin | Collected date/time: 09/12/19 13:00 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349076	1	09/19/19 20:24	09/19/19 20:32	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349125	1	09/12/19 13:00	09/20/19 09:47	ACG	Mt. Juliet, TN

MW-324-65 L1139441-30 Solid

Collected by: R McLaughlin | Collected date/time: 09/12/19 13:20 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349076	1	09/19/19 20:24	09/19/19 20:32	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349125	1.01	09/12/19 13:20	09/20/19 10:10	ACG	Mt. Juliet, TN

MW-324-70 L1139441-31 Solid

Collected by: R McLaughlin | Collected date/time: 09/12/19 13:25 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349077	1	09/19/19 20:14	09/19/19 20:22	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349125	1.06	09/12/19 13:25	09/20/19 10:32	ACG	Mt. Juliet, TN

MW-324-75 L1139441-32 Solid

Collected by: R McLaughlin | Collected date/time: 09/12/19 13:30 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349077	1	09/19/19 20:14	09/19/19 20:22	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349125	1	09/12/19 13:30	09/20/19 10:54	ACG	Mt. Juliet, TN

MW-324-80 L1139441-33 Solid

Collected by: R McLaughlin | Collected date/time: 09/12/19 13:35 | Received date/time: 09/14/19 08:45

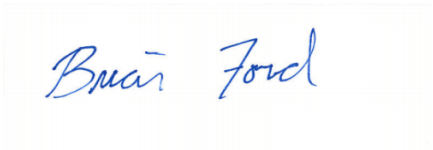
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349077	1	09/19/19 20:14	09/19/19 20:22	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349125	1	09/12/19 13:35	09/20/19 11:14	ACG	Mt. Juliet, TN

TB-091219 L1139441-34 GW

Collected by: R McLaughlin | Collected date/time: 09/12/19 13:40 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1348450	1	09/19/19 05:25	09/19/19 05:25	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1348964	1	09/20/19 14:13	09/20/19 14:13	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	88.0		1	09/19/2019 20:23	WG1349074

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0664		0.0156	0.0284	1	09/19/2019 05:48	WG1348193
Acrylonitrile	U		0.00216	0.0142	1	09/19/2019 05:48	WG1348193
Benzene	0.000909	J	0.000454	0.00114	1	09/19/2019 05:48	WG1348193
Bromobenzene	U		0.00119	0.0142	1	09/19/2019 05:48	WG1348193
Bromodichloromethane	U		0.000895	0.00284	1	09/19/2019 05:48	WG1348193
Bromochloromethane	U		0.00128	0.00568	1	09/19/2019 05:48	WG1348193
Bromoform	U		0.00679	0.0284	1	09/19/2019 05:48	WG1348193
Bromomethane	U		0.00420	0.0142	1	09/19/2019 05:48	WG1348193
n-Butylbenzene	U		0.00436	0.0142	1	09/19/2019 05:48	WG1348193
sec-Butylbenzene	U		0.00287	0.0142	1	09/19/2019 05:48	WG1348193
tert-Butylbenzene	U		0.00176	0.00568	1	09/19/2019 05:48	WG1348193
Carbon disulfide	U		0.00461	0.0142	1	09/19/2019 05:48	WG1348193
Carbon tetrachloride	U		0.00123	0.00568	1	09/19/2019 05:48	WG1348193
Chlorobenzene	U		0.000651	0.00284	1	09/19/2019 05:48	WG1348193
Chlorodibromomethane	U		0.000511	0.00284	1	09/19/2019 05:48	WG1348193
Chloroethane	U		0.00123	0.00568	1	09/19/2019 05:48	WG1348193
Chloroform	U		0.000471	0.00284	1	09/19/2019 05:48	WG1348193
Chloromethane	U		0.00158	0.0142	1	09/19/2019 05:48	WG1348193
2-Chlorotoluene	U		0.00105	0.00284	1	09/19/2019 05:48	WG1348193
4-Chlorotoluene	U		0.00128	0.00568	1	09/19/2019 05:48	WG1348193
1,2-Dibromo-3-Chloropropane	U	J0	0.00579	0.0284	1	09/19/2019 05:48	WG1348193
1,2-Dibromoethane	U		0.000596	0.00284	1	09/19/2019 05:48	WG1348193
Dibromomethane	U		0.00114	0.00568	1	09/19/2019 05:48	WG1348193
1,2-Dichlorobenzene	U		0.00165	0.00568	1	09/19/2019 05:48	WG1348193
1,3-Dichlorobenzene	U		0.00193	0.00568	1	09/19/2019 05:48	WG1348193
1,4-Dichlorobenzene	U		0.00224	0.00568	1	09/19/2019 05:48	WG1348193
Dichlorodifluoromethane	U		0.000929	0.00284	1	09/19/2019 05:48	WG1348193
1,1-Dichloroethane	U		0.000653	0.00284	1	09/19/2019 05:48	WG1348193
1,2-Dichloroethane	U		0.000540	0.00284	1	09/19/2019 05:48	WG1348193
1,1-Dichloroethene	U		0.000568	0.00284	1	09/19/2019 05:48	WG1348193
cis-1,2-Dichloroethene	U		0.000784	0.00284	1	09/19/2019 05:48	WG1348193
trans-1,2-Dichloroethene	U		0.00162	0.00568	1	09/19/2019 05:48	WG1348193
1,2-Dichloropropane	U		0.00144	0.00568	1	09/19/2019 05:48	WG1348193
1,1-Dichloropropene	U		0.000795	0.00284	1	09/19/2019 05:48	WG1348193
1,3-Dichloropropane	U		0.00199	0.00568	1	09/19/2019 05:48	WG1348193
cis-1,3-Dichloropropene	U		0.000770	0.00284	1	09/19/2019 05:48	WG1348193
trans-1,3-Dichloropropene	U		0.00174	0.00568	1	09/19/2019 05:48	WG1348193
trans-1,4-Dichloro-2-butene	U		0.00159	0.00568	1	09/19/2019 05:48	WG1348193
2,2-Dichloropropane	U		0.000901	0.00284	1	09/19/2019 05:48	WG1348193
Di-isopropyl ether	U		0.000398	0.00114	1	09/19/2019 05:48	WG1348193
Ethylbenzene	0.000803	J	0.000602	0.00284	1	09/19/2019 05:48	WG1348193
Hexachloro-1,3-butadiene	U		0.0144	0.0284	1	09/19/2019 05:48	WG1348193
2-Hexanone	U		0.0114	0.0284	1	09/19/2019 05:48	WG1348193
n-Hexane	U		0.00120	0.00568	1	09/19/2019 05:48	WG1348193
Iodomethane	U		0.00687	0.0142	1	09/19/2019 05:48	WG1348193
Isopropylbenzene	U		0.000980	0.00284	1	09/19/2019 05:48	WG1348193
p-Isopropyltoluene	U		0.00265	0.00568	1	09/19/2019 05:48	WG1348193
2-Butanone (MEK)	0.0191	B J	0.0142	0.0284	1	09/19/2019 05:48	WG1348193
Methylene Chloride	U		0.00754	0.0284	1	09/19/2019 05:48	WG1348193
4-Methyl-2-pentanone (MIBK)	U		0.0114	0.0284	1	09/19/2019 05:48	WG1348193

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000335	0.00114	1	09/19/2019 05:48	WG1348193
Naphthalene	0.00398	J	0.00354	0.0142	1	09/19/2019 05:48	WG1348193
n-Propylbenzene	U		0.00134	0.00568	1	09/19/2019 05:48	WG1348193
Styrene	U		0.00310	0.0142	1	09/19/2019 05:48	WG1348193
1,1,1,2-Tetrachloroethane	U		0.000568	0.00284	1	09/19/2019 05:48	WG1348193
1,1,2,2-Tetrachloroethane	U		0.000443	0.00284	1	09/19/2019 05:48	WG1348193
1,1,2-Trichlorotrifluoroethane	U		0.000767	0.00284	1	09/19/2019 05:48	WG1348193
Tetrachloroethene	0.00325		0.000795	0.00284	1	09/19/2019 05:48	WG1348193
Toluene	0.00468	J	0.00142	0.00568	1	09/19/2019 05:48	WG1348193
1,2,3-Trichlorobenzene	U		0.000710	0.00284	1	09/19/2019 05:48	WG1348193
1,2,4-Trichlorobenzene	U		0.00548	0.0142	1	09/19/2019 05:48	WG1348193
1,1,1-Trichloroethane	U		0.000312	0.00284	1	09/19/2019 05:48	WG1348193
1,1,2-Trichloroethane	U		0.00100	0.00284	1	09/19/2019 05:48	WG1348193
Trichloroethene	U		0.000454	0.00114	1	09/19/2019 05:48	WG1348193
Trichlorofluoromethane	U		0.000568	0.00284	1	09/19/2019 05:48	WG1348193
1,2,3-Trichloropropane	U		0.00579	0.0142	1	09/19/2019 05:48	WG1348193
1,2,4-Trimethylbenzene	0.00465	J	0.00132	0.00568	1	09/19/2019 05:48	WG1348193
1,2,3-Trimethylbenzene	0.00365	J	0.00131	0.00568	1	09/19/2019 05:48	WG1348193
1,3,5-Trimethylbenzene	0.00156	J	0.00123	0.00568	1	09/19/2019 05:48	WG1348193
Vinyl acetate	U		0.00400	0.0142	1	09/19/2019 05:48	WG1348193
Vinyl chloride	U		0.000776	0.00284	1	09/19/2019 05:48	WG1348193
Xylenes, Total	0.00561	J	0.00543	0.00738	1	09/19/2019 05:48	WG1348193
(S) Toluene-d8	*106*			*75.0-131*		*09/19/2019 05:48*	WG1348193
(S) 4-Bromofluorobenzene	*98.3*			*67.0-138*		*09/19/2019 05:48*	WG1348193
(S) 1,2-Dichloroethane-d4	*94.4*			*70.0-130*		*09/19/2019 05:48*	WG1348193

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.4		1	09/19/2019 20:23	WG1349074

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0406		0.0157	0.0287	1.06	09/19/2019 06:10	WG1348193
Acrylonitrile	U		0.00218	0.0143	1.06	09/19/2019 06:10	WG1348193
Benzene	U		0.000459	0.00115	1.06	09/19/2019 06:10	WG1348193
Bromobenzene	U		0.00120	0.0143	1.06	09/19/2019 06:10	WG1348193
Bromodichloromethane	U		0.000904	0.00287	1.06	09/19/2019 06:10	WG1348193
Bromochloromethane	U		0.00130	0.00574	1.06	09/19/2019 06:10	WG1348193
Bromoform	U		0.00686	0.0287	1.06	09/19/2019 06:10	WG1348193
Bromomethane	U		0.00424	0.0143	1.06	09/19/2019 06:10	WG1348193
n-Butylbenzene	U		0.00441	0.0143	1.06	09/19/2019 06:10	WG1348193
sec-Butylbenzene	U		0.00290	0.0143	1.06	09/19/2019 06:10	WG1348193
tert-Butylbenzene	U		0.00178	0.00574	1.06	09/19/2019 06:10	WG1348193
Carbon disulfide	U		0.00465	0.0143	1.06	09/19/2019 06:10	WG1348193
Carbon tetrachloride	U		0.00123	0.00574	1.06	09/19/2019 06:10	WG1348193
Chlorobenzene	U		0.000657	0.00287	1.06	09/19/2019 06:10	WG1348193
Chlorodibromomethane	U		0.000516	0.00287	1.06	09/19/2019 06:10	WG1348193
Chloroethane	U		0.00123	0.00574	1.06	09/19/2019 06:10	WG1348193
Chloroform	U		0.000476	0.00287	1.06	09/19/2019 06:10	WG1348193
Chloromethane	U		0.00159	0.0143	1.06	09/19/2019 06:10	WG1348193
2-Chlorotoluene	U		0.00106	0.00287	1.06	09/19/2019 06:10	WG1348193
4-Chlorotoluene	U		0.00130	0.00574	1.06	09/19/2019 06:10	WG1348193
1,2-Dibromo-3-Chloropropane	U	J0	0.00586	0.0287	1.06	09/19/2019 06:10	WG1348193
1,2-Dibromoethane	U		0.000602	0.00287	1.06	09/19/2019 06:10	WG1348193
Dibromomethane	U		0.00115	0.00574	1.06	09/19/2019 06:10	WG1348193
1,2-Dichlorobenzene	U		0.00167	0.00574	1.06	09/19/2019 06:10	WG1348193
1,3-Dichlorobenzene	U		0.00195	0.00574	1.06	09/19/2019 06:10	WG1348193
1,4-Dichlorobenzene	U		0.00226	0.00574	1.06	09/19/2019 06:10	WG1348193
Dichlorodifluoromethane	U		0.000938	0.00287	1.06	09/19/2019 06:10	WG1348193
1,1-Dichloroethane	U		0.000660	0.00287	1.06	09/19/2019 06:10	WG1348193
1,2-Dichloroethane	U		0.000546	0.00287	1.06	09/19/2019 06:10	WG1348193
1,1-Dichloroethene	U		0.000574	0.00287	1.06	09/19/2019 06:10	WG1348193
cis-1,2-Dichloroethene	U		0.000791	0.00287	1.06	09/19/2019 06:10	WG1348193
trans-1,2-Dichloroethene	U		0.00165	0.00574	1.06	09/19/2019 06:10	WG1348193
1,2-Dichloropropane	U		0.00146	0.00574	1.06	09/19/2019 06:10	WG1348193
1,1-Dichloropropene	U		0.000803	0.00287	1.06	09/19/2019 06:10	WG1348193
1,3-Dichloropropane	U		0.00201	0.00574	1.06	09/19/2019 06:10	WG1348193
cis-1,3-Dichloropropene	U		0.000778	0.00287	1.06	09/19/2019 06:10	WG1348193
trans-1,3-Dichloropropene	U		0.00175	0.00574	1.06	09/19/2019 06:10	WG1348193
trans-1,4-Dichloro-2-butene	U		0.00160	0.00574	1.06	09/19/2019 06:10	WG1348193
2,2-Dichloropropane	U		0.000909	0.00287	1.06	09/19/2019 06:10	WG1348193
Di-isopropyl ether	U		0.000402	0.00115	1.06	09/19/2019 06:10	WG1348193
Ethylbenzene	U		0.000608	0.00287	1.06	09/19/2019 06:10	WG1348193
Hexachloro-1,3-butadiene	U		0.0146	0.0287	1.06	09/19/2019 06:10	WG1348193
2-Hexanone	U		0.0115	0.0287	1.06	09/19/2019 06:10	WG1348193
n-Hexane	U		0.00121	0.00574	1.06	09/19/2019 06:10	WG1348193
Iodomethane	U		0.00694	0.0143	1.06	09/19/2019 06:10	WG1348193
Isopropylbenzene	U		0.000990	0.00287	1.06	09/19/2019 06:10	WG1348193
p-Isopropyltoluene	U		0.00267	0.00574	1.06	09/19/2019 06:10	WG1348193
2-Butanone (MEK)	0.0286	B J	0.0143	0.0287	1.06	09/19/2019 06:10	WG1348193
Methylene Chloride	U		0.00762	0.0287	1.06	09/19/2019 06:10	WG1348193
4-Methyl-2-pentanone (MIBK)	U		0.0115	0.0287	1.06	09/19/2019 06:10	WG1348193

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

Analyte	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	09/19/2019 06:10	WG1348193
Naphthalene	U		0.00358	0.0143	1.06	09/19/2019 06:10	WG1348193
n-Propylbenzene	U		0.00135	0.00574	1.06	09/19/2019 06:10	WG1348193
Styrene	U		0.00313	0.0143	1.06	09/19/2019 06:10	WG1348193
1,1,1,2-Tetrachloroethane	U		0.000574	0.00287	1.06	09/19/2019 06:10	WG1348193
1,1,2,2-Tetrachloroethane	U		0.000447	0.00287	1.06	09/19/2019 06:10	WG1348193
1,1,2-Trichlorotrifluoroethane	U		0.000775	0.00287	1.06	09/19/2019 06:10	WG1348193
Tetrachloroethene	U		0.000803	0.00287	1.06	09/19/2019 06:10	WG1348193
Toluene	0.00970		0.00143	0.00574	1.06	09/19/2019 06:10	WG1348193
1,2,3-Trichlorobenzene	U		0.000717	0.00287	1.06	09/19/2019 06:10	WG1348193
1,2,4-Trichlorobenzene	U		0.00553	0.0143	1.06	09/19/2019 06:10	WG1348193
1,1,1-Trichloroethane	U		0.000316	0.00287	1.06	09/19/2019 06:10	WG1348193
1,1,2-Trichloroethane	U		0.00101	0.00287	1.06	09/19/2019 06:10	WG1348193
Trichloroethene	U		0.000459	0.00115	1.06	09/19/2019 06:10	WG1348193
Trichlorofluoromethane	U		0.000574	0.00287	1.06	09/19/2019 06:10	WG1348193
1,2,3-Trichloropropane	U		0.00586	0.0143	1.06	09/19/2019 06:10	WG1348193
1,2,4-Trimethylbenzene	U		0.00133	0.00574	1.06	09/19/2019 06:10	WG1348193
1,2,3-Trimethylbenzene	U		0.00132	0.00574	1.06	09/19/2019 06:10	WG1348193
1,3,5-Trimethylbenzene	U		0.00123	0.00574	1.06	09/19/2019 06:10	WG1348193
Vinyl acetate	U		0.00404	0.0143	1.06	09/19/2019 06:10	WG1348193
Vinyl chloride	U		0.000784	0.00287	1.06	09/19/2019 06:10	WG1348193
Xylenes, Total	U		0.00549	0.00746	1.06	09/19/2019 06:10	WG1348193
(S) Toluene-d8	*106*			*75.0-131*		*09/19/2019 06:10*	WG1348193
(S) 4-Bromofluorobenzene	*98.5*			*67.0-138*		*09/19/2019 06:10*	WG1348193
(S) 1,2-Dichloroethane-d4	*93.7*			*70.0-130*		*09/19/2019 06:10*	WG1348193

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.9		1	09/19/2019 20:23	WG1349074

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0326		0.0154	0.0281	1	09/19/2019 06:31	WG1348193
Acrylonitrile	U		0.00214	0.0141	1	09/19/2019 06:31	WG1348193
Benzene	U		0.000450	0.00113	1	09/19/2019 06:31	WG1348193
Bromobenzene	U		0.00118	0.0141	1	09/19/2019 06:31	WG1348193
Bromodichloromethane	U		0.000887	0.00281	1	09/19/2019 06:31	WG1348193
Bromochloromethane	U		0.00127	0.00563	1	09/19/2019 06:31	WG1348193
Bromoform	U		0.00673	0.0281	1	09/19/2019 06:31	WG1348193
Bromomethane	U		0.00416	0.0141	1	09/19/2019 06:31	WG1348193
n-Butylbenzene	U		0.00432	0.0141	1	09/19/2019 06:31	WG1348193
sec-Butylbenzene	U		0.00285	0.0141	1	09/19/2019 06:31	WG1348193
tert-Butylbenzene	U		0.00174	0.00563	1	09/19/2019 06:31	WG1348193
Carbon disulfide	U		0.00457	0.0141	1	09/19/2019 06:31	WG1348193
Carbon tetrachloride	U		0.00122	0.00563	1	09/19/2019 06:31	WG1348193
Chlorobenzene	U		0.000645	0.00281	1	09/19/2019 06:31	WG1348193
Chlorodibromomethane	U		0.000506	0.00281	1	09/19/2019 06:31	WG1348193
Chloroethane	U		0.00122	0.00563	1	09/19/2019 06:31	WG1348193
Chloroform	U		0.000467	0.00281	1	09/19/2019 06:31	WG1348193
Chloromethane	U		0.00156	0.0141	1	09/19/2019 06:31	WG1348193
2-Chlorotoluene	U		0.00104	0.00281	1	09/19/2019 06:31	WG1348193
4-Chlorotoluene	U		0.00127	0.00563	1	09/19/2019 06:31	WG1348193
1,2-Dibromo-3-Chloropropane	U	J0	0.00574	0.0281	1	09/19/2019 06:31	WG1348193
1,2-Dibromoethane	U		0.000591	0.00281	1	09/19/2019 06:31	WG1348193
Dibromomethane	U		0.00113	0.00563	1	09/19/2019 06:31	WG1348193
1,2-Dichlorobenzene	U		0.00163	0.00563	1	09/19/2019 06:31	WG1348193
1,3-Dichlorobenzene	U		0.00191	0.00563	1	09/19/2019 06:31	WG1348193
1,4-Dichlorobenzene	U		0.00222	0.00563	1	09/19/2019 06:31	WG1348193
Dichlorodifluoromethane	U		0.000920	0.00281	1	09/19/2019 06:31	WG1348193
1,1-Dichloroethane	U		0.000647	0.00281	1	09/19/2019 06:31	WG1348193
1,2-Dichloroethane	U		0.000534	0.00281	1	09/19/2019 06:31	WG1348193
1,1-Dichloroethene	U		0.000563	0.00281	1	09/19/2019 06:31	WG1348193
cis-1,2-Dichloroethene	U		0.000776	0.00281	1	09/19/2019 06:31	WG1348193
trans-1,2-Dichloroethene	U		0.00161	0.00563	1	09/19/2019 06:31	WG1348193
1,2-Dichloropropane	U		0.00143	0.00563	1	09/19/2019 06:31	WG1348193
1,1-Dichloropropene	U		0.000788	0.00281	1	09/19/2019 06:31	WG1348193
1,3-Dichloropropane	U		0.00197	0.00563	1	09/19/2019 06:31	WG1348193
cis-1,3-Dichloropropene	U		0.000763	0.00281	1	09/19/2019 06:31	WG1348193
trans-1,3-Dichloropropene	U		0.00172	0.00563	1	09/19/2019 06:31	WG1348193
trans-1,4-Dichloro-2-butene	U		0.00158	0.00563	1	09/19/2019 06:31	WG1348193
2,2-Dichloropropane	U		0.000892	0.00281	1	09/19/2019 06:31	WG1348193
Di-isopropyl ether	U		0.000394	0.00113	1	09/19/2019 06:31	WG1348193
Ethylbenzene	U		0.000596	0.00281	1	09/19/2019 06:31	WG1348193
Hexachloro-1,3-butadiene	U		0.0143	0.0281	1	09/19/2019 06:31	WG1348193
2-Hexanone	U		0.0113	0.0281	1	09/19/2019 06:31	WG1348193
n-Hexane	U		0.00119	0.00563	1	09/19/2019 06:31	WG1348193
Iodomethane	U		0.00681	0.0141	1	09/19/2019 06:31	WG1348193
Isopropylbenzene	U		0.000971	0.00281	1	09/19/2019 06:31	WG1348193
p-Isopropyltoluene	U		0.00262	0.00563	1	09/19/2019 06:31	WG1348193
2-Butanone (MEK)	0.0245	B J	0.0141	0.0281	1	09/19/2019 06:31	WG1348193
Methylene Chloride	U		0.00747	0.0281	1	09/19/2019 06:31	WG1348193
4-Methyl-2-pentanone (MIBK)	U		0.0113	0.0281	1	09/19/2019 06:31	WG1348193

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000332	0.00113	1	09/19/2019 06:31	WG1348193
Naphthalene	U		0.00351	0.0141	1	09/19/2019 06:31	WG1348193
n-Propylbenzene	U		0.00133	0.00563	1	09/19/2019 06:31	WG1348193
Styrene	U		0.00307	0.0141	1	09/19/2019 06:31	WG1348193
1,1,1,2-Tetrachloroethane	U		0.000563	0.00281	1	09/19/2019 06:31	WG1348193
1,1,2,2-Tetrachloroethane	U		0.000439	0.00281	1	09/19/2019 06:31	WG1348193
1,1,2-Trichlorotrifluoroethane	U		0.000759	0.00281	1	09/19/2019 06:31	WG1348193
Tetrachloroethene	U		0.000788	0.00281	1	09/19/2019 06:31	WG1348193
Toluene	0.0101		0.00141	0.00563	1	09/19/2019 06:31	WG1348193
1,2,3-Trichlorobenzene	U		0.000703	0.00281	1	09/19/2019 06:31	WG1348193
1,2,4-Trichlorobenzene	U		0.00542	0.0141	1	09/19/2019 06:31	WG1348193
1,1,1-Trichloroethane	U		0.000309	0.00281	1	09/19/2019 06:31	WG1348193
1,1,2-Trichloroethane	U		0.000993	0.00281	1	09/19/2019 06:31	WG1348193
Trichloroethene	U		0.000450	0.00113	1	09/19/2019 06:31	WG1348193
Trichlorofluoromethane	U		0.000563	0.00281	1	09/19/2019 06:31	WG1348193
1,2,3-Trichloropropane	U		0.00574	0.0141	1	09/19/2019 06:31	WG1348193
1,2,4-Trimethylbenzene	U		0.00131	0.00563	1	09/19/2019 06:31	WG1348193
1,2,3-Trimethylbenzene	U		0.00129	0.00563	1	09/19/2019 06:31	WG1348193
1,3,5-Trimethylbenzene	U		0.00122	0.00563	1	09/19/2019 06:31	WG1348193
Vinyl acetate	U		0.00396	0.0141	1	09/19/2019 06:31	WG1348193
Vinyl chloride	U		0.000768	0.00281	1	09/19/2019 06:31	WG1348193
Xylenes, Total	U		0.00538	0.00731	1	09/19/2019 06:31	WG1348193
(S) Toluene-d8	*105*			*75.0-131*		*09/19/2019 06:31*	WG1348193
(S) 4-Bromofluorobenzene	*97.1*			*67.0-138*		*09/19/2019 06:31*	WG1348193
(S) 1,2-Dichloroethane-d4	*94.4*			*70.0-130*		*09/19/2019 06:31*	WG1348193

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.1		1	09/19/2019 20:23	WG1349074

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0362		0.0157	0.0287	1	09/19/2019 08:38	WG1348193
Acrylonitrile	U		0.00218	0.0143	1	09/19/2019 08:38	WG1348193
Benzene	0.000940	J	0.000459	0.00115	1	09/19/2019 08:38	WG1348193
Bromobenzene	U		0.00120	0.0143	1	09/19/2019 08:38	WG1348193
Bromodichloromethane	U		0.000904	0.00287	1	09/19/2019 08:38	WG1348193
Bromochloromethane	U		0.00130	0.00574	1	09/19/2019 08:38	WG1348193
Bromoform	U		0.00686	0.0287	1	09/19/2019 08:38	WG1348193
Bromomethane	U		0.00425	0.0143	1	09/19/2019 08:38	WG1348193
n-Butylbenzene	U		0.00441	0.0143	1	09/19/2019 08:38	WG1348193
sec-Butylbenzene	U		0.00290	0.0143	1	09/19/2019 08:38	WG1348193
tert-Butylbenzene	U		0.00178	0.00574	1	09/19/2019 08:38	WG1348193
Carbon disulfide	U		0.00466	0.0143	1	09/19/2019 08:38	WG1348193
Carbon tetrachloride	U		0.00124	0.00574	1	09/19/2019 08:38	WG1348193
Chlorobenzene	U		0.000658	0.00287	1	09/19/2019 08:38	WG1348193
Chlorodibromomethane	U		0.000516	0.00287	1	09/19/2019 08:38	WG1348193
Chloroethane	U		0.00124	0.00574	1	09/19/2019 08:38	WG1348193
Chloroform	0.000729	B J	0.000476	0.00287	1	09/19/2019 08:38	WG1348193
Chloromethane	U		0.00160	0.0143	1	09/19/2019 08:38	WG1348193
2-Chlorotoluene	U		0.00106	0.00287	1	09/19/2019 08:38	WG1348193
4-Chlorotoluene	U		0.00130	0.00574	1	09/19/2019 08:38	WG1348193
1,2-Dibromo-3-Chloropropane	U	J0	0.00585	0.0287	1	09/19/2019 08:38	WG1348193
1,2-Dibromoethane	U		0.000602	0.00287	1	09/19/2019 08:38	WG1348193
Dibromomethane	U		0.00115	0.00574	1	09/19/2019 08:38	WG1348193
1,2-Dichlorobenzene	U		0.00166	0.00574	1	09/19/2019 08:38	WG1348193
1,3-Dichlorobenzene	U		0.00195	0.00574	1	09/19/2019 08:38	WG1348193
1,4-Dichlorobenzene	U		0.00226	0.00574	1	09/19/2019 08:38	WG1348193
Dichlorodifluoromethane	U		0.000939	0.00287	1	09/19/2019 08:38	WG1348193
1,1-Dichloroethane	U		0.000660	0.00287	1	09/19/2019 08:38	WG1348193
1,2-Dichloroethane	U		0.000545	0.00287	1	09/19/2019 08:38	WG1348193
1,1-Dichloroethene	U		0.000574	0.00287	1	09/19/2019 08:38	WG1348193
cis-1,2-Dichloroethene	0.00292		0.000792	0.00287	1	09/19/2019 08:38	WG1348193
trans-1,2-Dichloroethene	U		0.00164	0.00574	1	09/19/2019 08:38	WG1348193
1,2-Dichloropropane	U		0.00146	0.00574	1	09/19/2019 08:38	WG1348193
1,1-Dichloropropene	U		0.000803	0.00287	1	09/19/2019 08:38	WG1348193
1,3-Dichloropropane	U		0.00201	0.00574	1	09/19/2019 08:38	WG1348193
cis-1,3-Dichloropropene	U		0.000778	0.00287	1	09/19/2019 08:38	WG1348193
trans-1,3-Dichloropropene	U		0.00176	0.00574	1	09/19/2019 08:38	WG1348193
trans-1,4-Dichloro-2-butene	U		0.00161	0.00574	1	09/19/2019 08:38	WG1348193
2,2-Dichloropropane	U		0.000910	0.00287	1	09/19/2019 08:38	WG1348193
Di-isopropyl ether	U		0.000402	0.00115	1	09/19/2019 08:38	WG1348193
Ethylbenzene	U		0.000608	0.00287	1	09/19/2019 08:38	WG1348193
Hexachloro-1,3-butadiene	U		0.0146	0.0287	1	09/19/2019 08:38	WG1348193
2-Hexanone	U		0.0115	0.0287	1	09/19/2019 08:38	WG1348193
n-Hexane	U		0.00122	0.00574	1	09/19/2019 08:38	WG1348193
Iodomethane	U		0.00694	0.0143	1	09/19/2019 08:38	WG1348193
Isopropylbenzene	U		0.000990	0.00287	1	09/19/2019 08:38	WG1348193
p-Isopropyltoluene	U		0.00267	0.00574	1	09/19/2019 08:38	WG1348193
2-Butanone (MEK)	0.0267	B J	0.0143	0.0287	1	09/19/2019 08:38	WG1348193
Methylene Chloride	U		0.00762	0.0287	1	09/19/2019 08:38	WG1348193
4-Methyl-2-pentanone (MIBK)	U		0.0115	0.0287	1	09/19/2019 08:38	WG1348193

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

Analyte	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	09/19/2019 08:38	WG1348193
Naphthalene	U		0.00358	0.0143	1	09/19/2019 08:38	WG1348193
n-Propylbenzene	U		0.00135	0.00574	1	09/19/2019 08:38	WG1348193
Styrene	U		0.00313	0.0143	1	09/19/2019 08:38	WG1348193
1,1,1,2-Tetrachloroethane	U		0.000574	0.00287	1	09/19/2019 08:38	WG1348193
1,1,2,2-Tetrachloroethane	U		0.000448	0.00287	1	09/19/2019 08:38	WG1348193
1,1,2-Trichlorotrifluoroethane	U		0.000775	0.00287	1	09/19/2019 08:38	WG1348193
Tetrachloroethene	U		0.000803	0.00287	1	09/19/2019 08:38	WG1348193
Toluene	0.00875		0.00143	0.00574	1	09/19/2019 08:38	WG1348193
1,2,3-Trichlorobenzene	U		0.000717	0.00287	1	09/19/2019 08:38	WG1348193
1,2,4-Trichlorobenzene	U		0.00553	0.0143	1	09/19/2019 08:38	WG1348193
1,1,1-Trichloroethane	U		0.000316	0.00287	1	09/19/2019 08:38	WG1348193
1,1,2-Trichloroethane	U		0.00101	0.00287	1	09/19/2019 08:38	WG1348193
Trichloroethene	0.00105	J	0.000459	0.00115	1	09/19/2019 08:38	WG1348193
Trichlorofluoromethane	U		0.000574	0.00287	1	09/19/2019 08:38	WG1348193
1,2,3-Trichloropropane	U		0.00585	0.0143	1	09/19/2019 08:38	WG1348193
1,2,4-Trimethylbenzene	U		0.00133	0.00574	1	09/19/2019 08:38	WG1348193
1,2,3-Trimethylbenzene	U		0.00132	0.00574	1	09/19/2019 08:38	WG1348193
1,3,5-Trimethylbenzene	U		0.00124	0.00574	1	09/19/2019 08:38	WG1348193
Vinyl acetate	U		0.00404	0.0143	1	09/19/2019 08:38	WG1348193
Vinyl chloride	U		0.000784	0.00287	1	09/19/2019 08:38	WG1348193
Xylenes, Total	U		0.00549	0.00746	1	09/19/2019 08:38	WG1348193
(S) Toluene-d8	*107*			*75.0-131*		*09/19/2019 08:38*	WG1348193
(S) 4-Bromofluorobenzene	*98.0*			*67.0-138*		*09/19/2019 08:38*	WG1348193
(S) 1,2-Dichloroethane-d4	*93.5*			*70.0-130*		*09/19/2019 08:38*	WG1348193

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.7		1	09/19/2019 20:23	WG1349074

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0284	J	0.0174	0.0317	1	09/19/2019 08:59	WG1348193
Acrylonitrile	U		0.00241	0.0159	1	09/19/2019 08:59	WG1348193
Benzene	U		0.000508	0.00127	1	09/19/2019 08:59	WG1348193
Bromobenzene	U		0.00133	0.0159	1	09/19/2019 08:59	WG1348193
Bromodichloromethane	U		0.00100	0.00317	1	09/19/2019 08:59	WG1348193
Bromochloromethane	U		0.00143	0.00635	1	09/19/2019 08:59	WG1348193
Bromoform	U		0.00759	0.0317	1	09/19/2019 08:59	WG1348193
Bromomethane	U		0.00470	0.0159	1	09/19/2019 08:59	WG1348193
n-Butylbenzene	U		0.00488	0.0159	1	09/19/2019 08:59	WG1348193
sec-Butylbenzene	U		0.00321	0.0159	1	09/19/2019 08:59	WG1348193
tert-Butylbenzene	U		0.00197	0.00635	1	09/19/2019 08:59	WG1348193
Carbon disulfide	U		0.00516	0.0159	1	09/19/2019 08:59	WG1348193
Carbon tetrachloride	U		0.00137	0.00635	1	09/19/2019 08:59	WG1348193
Chlorobenzene	U		0.000728	0.00317	1	09/19/2019 08:59	WG1348193
Chlorodibromomethane	U		0.000571	0.00317	1	09/19/2019 08:59	WG1348193
Chloroethane	U		0.00137	0.00635	1	09/19/2019 08:59	WG1348193
Chloroform	U		0.000527	0.00317	1	09/19/2019 08:59	WG1348193
Chloromethane	U		0.00177	0.0159	1	09/19/2019 08:59	WG1348193
2-Chlorotoluene	U		0.00117	0.00317	1	09/19/2019 08:59	WG1348193
4-Chlorotoluene	U		0.00143	0.00635	1	09/19/2019 08:59	WG1348193
1,2-Dibromo-3-Chloropropane	U	J0	0.00648	0.0317	1	09/19/2019 08:59	WG1348193
1,2-Dibromoethane	U		0.000667	0.00317	1	09/19/2019 08:59	WG1348193
Dibromomethane	U		0.00127	0.00635	1	09/19/2019 08:59	WG1348193
1,2-Dichlorobenzene	U		0.00184	0.00635	1	09/19/2019 08:59	WG1348193
1,3-Dichlorobenzene	U		0.00216	0.00635	1	09/19/2019 08:59	WG1348193
1,4-Dichlorobenzene	U		0.00250	0.00635	1	09/19/2019 08:59	WG1348193
Dichlorodifluoromethane	U		0.00104	0.00317	1	09/19/2019 08:59	WG1348193
1,1-Dichloroethane	U		0.000730	0.00317	1	09/19/2019 08:59	WG1348193
1,2-Dichloroethane	U		0.000603	0.00317	1	09/19/2019 08:59	WG1348193
1,1-Dichloroethene	U		0.000635	0.00317	1	09/19/2019 08:59	WG1348193
cis-1,2-Dichloroethene	0.00456		0.000876	0.00317	1	09/19/2019 08:59	WG1348193
trans-1,2-Dichloroethene	U		0.00182	0.00635	1	09/19/2019 08:59	WG1348193
1,2-Dichloropropane	U		0.00161	0.00635	1	09/19/2019 08:59	WG1348193
1,1-Dichloropropene	U		0.000889	0.00317	1	09/19/2019 08:59	WG1348193
1,3-Dichloropropane	U		0.00222	0.00635	1	09/19/2019 08:59	WG1348193
cis-1,3-Dichloropropene	U		0.000861	0.00317	1	09/19/2019 08:59	WG1348193
trans-1,3-Dichloropropene	U		0.00194	0.00635	1	09/19/2019 08:59	WG1348193
trans-1,4-Dichloro-2-butene	U		0.00178	0.00635	1	09/19/2019 08:59	WG1348193
2,2-Dichloropropane	U		0.00101	0.00317	1	09/19/2019 08:59	WG1348193
Di-isopropyl ether	U		0.000444	0.00127	1	09/19/2019 08:59	WG1348193
Ethylbenzene	U		0.000673	0.00317	1	09/19/2019 08:59	WG1348193
Hexachloro-1,3-butadiene	U		0.0161	0.0317	1	09/19/2019 08:59	WG1348193
2-Hexanone	U		0.0127	0.0317	1	09/19/2019 08:59	WG1348193
n-Hexane	U		0.00135	0.00635	1	09/19/2019 08:59	WG1348193
Iodomethane	U		0.00768	0.0159	1	09/19/2019 08:59	WG1348193
Isopropylbenzene	U		0.00110	0.00317	1	09/19/2019 08:59	WG1348193
p-Isopropyltoluene	U		0.00296	0.00635	1	09/19/2019 08:59	WG1348193
2-Butanone (MEK)	0.0257	B J	0.0159	0.0317	1	09/19/2019 08:59	WG1348193
Methylene Chloride	U		0.00843	0.0317	1	09/19/2019 08:59	WG1348193
4-Methyl-2-pentanone (MIBK)	U		0.0127	0.0317	1	09/19/2019 08:59	WG1348193

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

Analyte	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	09/19/2019 08:59	WG1348193
Naphthalene	U		0.00396	0.0159	1	09/19/2019 08:59	WG1348193
n-Propylbenzene	U		0.00150	0.00635	1	09/19/2019 08:59	WG1348193
Styrene	U		0.00347	0.0159	1	09/19/2019 08:59	WG1348193
1,1,1,2-Tetrachloroethane	U		0.000635	0.00317	1	09/19/2019 08:59	WG1348193
1,1,2,2-Tetrachloroethane	U		0.000495	0.00317	1	09/19/2019 08:59	WG1348193
1,1,2-Trichlorotrifluoroethane	U		0.000857	0.00317	1	09/19/2019 08:59	WG1348193
Tetrachloroethene	U		0.000889	0.00317	1	09/19/2019 08:59	WG1348193
Toluene	0.00372	J	0.00159	0.00635	1	09/19/2019 08:59	WG1348193
1,2,3-Trichlorobenzene	U		0.000794	0.00317	1	09/19/2019 08:59	WG1348193
1,2,4-Trichlorobenzene	U		0.00612	0.0159	1	09/19/2019 08:59	WG1348193
1,1,1-Trichloroethane	U		0.000349	0.00317	1	09/19/2019 08:59	WG1348193
1,1,2-Trichloroethane	U		0.00112	0.00317	1	09/19/2019 08:59	WG1348193
Trichloroethene	U		0.000508	0.00127	1	09/19/2019 08:59	WG1348193
Trichlorofluoromethane	U		0.000635	0.00317	1	09/19/2019 08:59	WG1348193
1,2,3-Trichloropropane	U		0.00648	0.0159	1	09/19/2019 08:59	WG1348193
1,2,4-Trimethylbenzene	U		0.00147	0.00635	1	09/19/2019 08:59	WG1348193
1,2,3-Trimethylbenzene	U		0.00146	0.00635	1	09/19/2019 08:59	WG1348193
1,3,5-Trimethylbenzene	U		0.00137	0.00635	1	09/19/2019 08:59	WG1348193
Vinyl acetate	U		0.00447	0.0159	1	09/19/2019 08:59	WG1348193
Vinyl chloride	0.00563		0.000867	0.00317	1	09/19/2019 08:59	WG1348193
Xylenes, Total	U		0.00607	0.00825	1	09/19/2019 08:59	WG1348193
(S) Toluene-d8	*108*			*75.0-131*		*09/19/2019 08:59*	WG1348193
(S) 4-Bromofluorobenzene	*99.2*			*67.0-138*		*09/19/2019 08:59*	WG1348193
(S) 1,2-Dichloroethane-d4	*95.6*			*70.0-130*		*09/19/2019 08:59*	WG1348193

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.4		1	09/19/2019 20:23	WG1349074

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0320		0.0170	0.0311	1	09/19/2019 09:21	WG1348193
Acrylonitrile	U		0.00236	0.0156	1	09/19/2019 09:21	WG1348193
Benzene	U		0.000498	0.00124	1	09/19/2019 09:21	WG1348193
Bromobenzene	U		0.00131	0.0156	1	09/19/2019 09:21	WG1348193
Bromodichloromethane	U		0.000980	0.00311	1	09/19/2019 09:21	WG1348193
Bromochloromethane	U		0.00141	0.00622	1	09/19/2019 09:21	WG1348193
Bromoform	U		0.00744	0.0311	1	09/19/2019 09:21	WG1348193
Bromomethane	U		0.00460	0.0156	1	09/19/2019 09:21	WG1348193
n-Butylbenzene	U		0.00478	0.0156	1	09/19/2019 09:21	WG1348193
sec-Butylbenzene	U		0.00315	0.0156	1	09/19/2019 09:21	WG1348193
tert-Butylbenzene	U		0.00193	0.00622	1	09/19/2019 09:21	WG1348193
Carbon disulfide	U		0.00505	0.0156	1	09/19/2019 09:21	WG1348193
Carbon tetrachloride	U		0.00134	0.00622	1	09/19/2019 09:21	WG1348193
Chlorobenzene	U		0.000713	0.00311	1	09/19/2019 09:21	WG1348193
Chlorodibromomethane	U		0.000560	0.00311	1	09/19/2019 09:21	WG1348193
Chloroethane	U		0.00134	0.00622	1	09/19/2019 09:21	WG1348193
Chloroform	0.000627	B J	0.000516	0.00311	1	09/19/2019 09:21	WG1348193
Chloromethane	U		0.00173	0.0156	1	09/19/2019 09:21	WG1348193
2-Chlorotoluene	U		0.00114	0.00311	1	09/19/2019 09:21	WG1348193
4-Chlorotoluene	U		0.00141	0.00622	1	09/19/2019 09:21	WG1348193
1,2-Dibromo-3-Chloropropane	U	J0	0.00634	0.0311	1	09/19/2019 09:21	WG1348193
1,2-Dibromoethane	U		0.000653	0.00311	1	09/19/2019 09:21	WG1348193
Dibromomethane	U		0.00124	0.00622	1	09/19/2019 09:21	WG1348193
1,2-Dichlorobenzene	U		0.00180	0.00622	1	09/19/2019 09:21	WG1348193
1,3-Dichlorobenzene	U		0.00211	0.00622	1	09/19/2019 09:21	WG1348193
1,4-Dichlorobenzene	U		0.00245	0.00622	1	09/19/2019 09:21	WG1348193
Dichlorodifluoromethane	U		0.00102	0.00311	1	09/19/2019 09:21	WG1348193
1,1-Dichloroethane	U		0.000715	0.00311	1	09/19/2019 09:21	WG1348193
1,2-Dichloroethane	U		0.000591	0.00311	1	09/19/2019 09:21	WG1348193
1,1-Dichloroethene	U		0.000622	0.00311	1	09/19/2019 09:21	WG1348193
cis-1,2-Dichloroethene	0.0481		0.000858	0.00311	1	09/19/2019 09:21	WG1348193
trans-1,2-Dichloroethene	U		0.00178	0.00622	1	09/19/2019 09:21	WG1348193
1,2-Dichloropropane	U		0.00158	0.00622	1	09/19/2019 09:21	WG1348193
1,1-Dichloropropene	U		0.000871	0.00311	1	09/19/2019 09:21	WG1348193
1,3-Dichloropropane	U		0.00218	0.00622	1	09/19/2019 09:21	WG1348193
cis-1,3-Dichloropropene	U		0.000843	0.00311	1	09/19/2019 09:21	WG1348193
trans-1,3-Dichloropropene	U		0.00190	0.00622	1	09/19/2019 09:21	WG1348193
trans-1,4-Dichloro-2-butene	U		0.00174	0.00622	1	09/19/2019 09:21	WG1348193
2,2-Dichloropropane	U		0.000986	0.00311	1	09/19/2019 09:21	WG1348193
Di-isopropyl ether	U		0.000435	0.00124	1	09/19/2019 09:21	WG1348193
Ethylbenzene	U		0.000659	0.00311	1	09/19/2019 09:21	WG1348193
Hexachloro-1,3-butadiene	U		0.0158	0.0311	1	09/19/2019 09:21	WG1348193
2-Hexanone	U		0.0124	0.0311	1	09/19/2019 09:21	WG1348193
n-Hexane	U		0.00132	0.00622	1	09/19/2019 09:21	WG1348193
Iodomethane	U		0.00753	0.0156	1	09/19/2019 09:21	WG1348193
Isopropylbenzene	U		0.00107	0.00311	1	09/19/2019 09:21	WG1348193
p-Isopropyltoluene	U		0.00290	0.00622	1	09/19/2019 09:21	WG1348193
2-Butanone (MEK)	0.0244	B J	0.0156	0.0311	1	09/19/2019 09:21	WG1348193
Methylene Chloride	U		0.00826	0.0311	1	09/19/2019 09:21	WG1348193
4-Methyl-2-pentanone (MIBK)	U		0.0124	0.0311	1	09/19/2019 09:21	WG1348193

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		0.000367	0.00124	1	09/19/2019 09:21	WG1348193
Naphthalene	U		0.00388	0.0156	1	09/19/2019 09:21	WG1348193
n-Propylbenzene	U		0.00147	0.00622	1	09/19/2019 09:21	WG1348193
Styrene	U		0.00340	0.0156	1	09/19/2019 09:21	WG1348193
1,1,1,2-Tetrachloroethane	U		0.000622	0.00311	1	09/19/2019 09:21	WG1348193
1,1,2,2-Tetrachloroethane	U		0.000485	0.00311	1	09/19/2019 09:21	WG1348193
1,1,2-Trichlorotrifluoroethane	U		0.000840	0.00311	1	09/19/2019 09:21	WG1348193
Tetrachloroethene	0.0637		0.000871	0.00311	1	09/19/2019 09:21	WG1348193
Toluene	0.00696		0.00156	0.00622	1	09/19/2019 09:21	WG1348193
1,2,3-Trichlorobenzene	U		0.000778	0.00311	1	09/19/2019 09:21	WG1348193
1,2,4-Trichlorobenzene	U		0.00600	0.0156	1	09/19/2019 09:21	WG1348193
1,1,1-Trichloroethane	U		0.000342	0.00311	1	09/19/2019 09:21	WG1348193
1,1,2-Trichloroethane	U		0.00110	0.00311	1	09/19/2019 09:21	WG1348193
Trichloroethene	0.116		0.000498	0.00124	1	09/19/2019 09:21	WG1348193
Trichlorofluoromethane	U		0.000622	0.00311	1	09/19/2019 09:21	WG1348193
1,2,3-Trichloropropane	U		0.00634	0.0156	1	09/19/2019 09:21	WG1348193
1,2,4-Trimethylbenzene	U		0.00144	0.00622	1	09/19/2019 09:21	WG1348193
1,2,3-Trimethylbenzene	U		0.00143	0.00622	1	09/19/2019 09:21	WG1348193
1,3,5-Trimethylbenzene	U		0.00134	0.00622	1	09/19/2019 09:21	WG1348193
Vinyl acetate	U		0.00438	0.0156	1	09/19/2019 09:21	WG1348193
Vinyl chloride	0.00230	J	0.000850	0.00311	1	09/19/2019 09:21	WG1348193
Xylenes, Total	U		0.00595	0.00809	1	09/19/2019 09:21	WG1348193
(S) Toluene-d8	*105*			*75.0-131*		*09/19/2019 09:21*	WG1348193
(S) 4-Bromofluorobenzene	*97.2*			*67.0-138*		*09/19/2019 09:21*	WG1348193
(S) 1,2-Dichloroethane-d4	*96.1*			*70.0-130*		*09/19/2019 09:21*	WG1348193

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.2		1	09/19/2019 20:23	WG1349074

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0380		0.0147	0.0268	1	09/19/2019 09:43	WG1348193
Acrylonitrile	U		0.00204	0.0134	1	09/19/2019 09:43	WG1348193
Benzene	U		0.000429	0.00107	1	09/19/2019 09:43	WG1348193
Bromobenzene	U		0.00113	0.0134	1	09/19/2019 09:43	WG1348193
Bromodichloromethane	U		0.000845	0.00268	1	09/19/2019 09:43	WG1348193
Bromochloromethane	U		0.00121	0.00536	1	09/19/2019 09:43	WG1348193
Bromoform	U		0.00641	0.0268	1	09/19/2019 09:43	WG1348193
Bromomethane	U		0.00397	0.0134	1	09/19/2019 09:43	WG1348193
n-Butylbenzene	U		0.00412	0.0134	1	09/19/2019 09:43	WG1348193
sec-Butylbenzene	U		0.00271	0.0134	1	09/19/2019 09:43	WG1348193
tert-Butylbenzene	U		0.00166	0.00536	1	09/19/2019 09:43	WG1348193
Carbon disulfide	U		0.00436	0.0134	1	09/19/2019 09:43	WG1348193
Carbon tetrachloride	U		0.00116	0.00536	1	09/19/2019 09:43	WG1348193
Chlorobenzene	U		0.000615	0.00268	1	09/19/2019 09:43	WG1348193
Chlorodibromomethane	U		0.000483	0.00268	1	09/19/2019 09:43	WG1348193
Chloroethane	U		0.00116	0.00536	1	09/19/2019 09:43	WG1348193
Chloroform	U		0.000445	0.00268	1	09/19/2019 09:43	WG1348193
Chloromethane	U		0.00149	0.0134	1	09/19/2019 09:43	WG1348193
2-Chlorotoluene	U		0.000987	0.00268	1	09/19/2019 09:43	WG1348193
4-Chlorotoluene	U		0.00121	0.00536	1	09/19/2019 09:43	WG1348193
1,2-Dibromo-3-Chloropropane	U	J0	0.00547	0.0268	1	09/19/2019 09:43	WG1348193
1,2-Dibromoethane	U		0.000563	0.00268	1	09/19/2019 09:43	WG1348193
Dibromomethane	U		0.00107	0.00536	1	09/19/2019 09:43	WG1348193
1,2-Dichlorobenzene	U		0.00156	0.00536	1	09/19/2019 09:43	WG1348193
1,3-Dichlorobenzene	U		0.00182	0.00536	1	09/19/2019 09:43	WG1348193
1,4-Dichlorobenzene	U		0.00211	0.00536	1	09/19/2019 09:43	WG1348193
Dichlorodifluoromethane	U		0.000877	0.00268	1	09/19/2019 09:43	WG1348193
1,1-Dichloroethane	U		0.000617	0.00268	1	09/19/2019 09:43	WG1348193
1,2-Dichloroethane	U		0.000510	0.00268	1	09/19/2019 09:43	WG1348193
1,1-Dichloroethene	U		0.000536	0.00268	1	09/19/2019 09:43	WG1348193
cis-1,2-Dichloroethene	0.776		0.000740	0.00268	1	09/19/2019 09:43	WG1348193
trans-1,2-Dichloroethene	0.00420	J	0.00153	0.00536	1	09/19/2019 09:43	WG1348193
1,2-Dichloropropane	U		0.00136	0.00536	1	09/19/2019 09:43	WG1348193
1,1-Dichloropropene	U		0.000751	0.00268	1	09/19/2019 09:43	WG1348193
1,3-Dichloropropane	U		0.00188	0.00536	1	09/19/2019 09:43	WG1348193
cis-1,3-Dichloropropene	U		0.000727	0.00268	1	09/19/2019 09:43	WG1348193
trans-1,3-Dichloropropene	U		0.00164	0.00536	1	09/19/2019 09:43	WG1348193
trans-1,4-Dichloro-2-butene	U		0.00150	0.00536	1	09/19/2019 09:43	WG1348193
2,2-Dichloropropane	U		0.000851	0.00268	1	09/19/2019 09:43	WG1348193
Di-isopropyl ether	U		0.000375	0.00107	1	09/19/2019 09:43	WG1348193
Ethylbenzene	U		0.000569	0.00268	1	09/19/2019 09:43	WG1348193
Hexachloro-1,3-butadiene	U		0.0136	0.0268	1	09/19/2019 09:43	WG1348193
2-Hexanone	U		0.0107	0.0268	1	09/19/2019 09:43	WG1348193
n-Hexane	U		0.00114	0.00536	1	09/19/2019 09:43	WG1348193
Iodomethane	U		0.00649	0.0134	1	09/19/2019 09:43	WG1348193
Isopropylbenzene	U		0.000926	0.00268	1	09/19/2019 09:43	WG1348193
p-Isopropyltoluene	U		0.00250	0.00536	1	09/19/2019 09:43	WG1348193
2-Butanone (MEK)	0.0203	B J	0.0134	0.0268	1	09/19/2019 09:43	WG1348193
Methylene Chloride	0.00784	J	0.00712	0.0268	1	09/19/2019 09:43	WG1348193
4-Methyl-2-pentanone (MIBK)	U		0.0107	0.0268	1	09/19/2019 09:43	WG1348193

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

Analyte	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	09/19/2019 09:43	WG1348193
Naphthalene	U		0.00335	0.0134	1	09/19/2019 09:43	WG1348193
n-Propylbenzene	U		0.00127	0.00536	1	09/19/2019 09:43	WG1348193
Styrene	U		0.00293	0.0134	1	09/19/2019 09:43	WG1348193
1,1,1,2-Tetrachloroethane	U		0.000536	0.00268	1	09/19/2019 09:43	WG1348193
1,1,2,2-Tetrachloroethane	U		0.000418	0.00268	1	09/19/2019 09:43	WG1348193
1,1,2-Trichlorotrifluoroethane	U		0.000724	0.00268	1	09/19/2019 09:43	WG1348193
Tetrachloroethene	1.14		0.000751	0.00268	1	09/19/2019 09:43	WG1348193
Toluene	0.0118		0.00134	0.00536	1	09/19/2019 09:43	WG1348193
1,2,3-Trichlorobenzene	U		0.000670	0.00268	1	09/19/2019 09:43	WG1348193
1,2,4-Trichlorobenzene	U		0.00517	0.0134	1	09/19/2019 09:43	WG1348193
1,1,1-Trichloroethane	U		0.000295	0.00268	1	09/19/2019 09:43	WG1348193
1,1,2-Trichloroethane	U		0.000947	0.00268	1	09/19/2019 09:43	WG1348193
Trichloroethene	0.449		0.000429	0.00107	1	09/19/2019 09:43	WG1348193
Trichlorofluoromethane	U		0.000536	0.00268	1	09/19/2019 09:43	WG1348193
1,2,3-Trichloropropane	U		0.00547	0.0134	1	09/19/2019 09:43	WG1348193
1,2,4-Trimethylbenzene	U		0.00124	0.00536	1	09/19/2019 09:43	WG1348193
1,2,3-Trimethylbenzene	U		0.00123	0.00536	1	09/19/2019 09:43	WG1348193
1,3,5-Trimethylbenzene	U		0.00116	0.00536	1	09/19/2019 09:43	WG1348193
Vinyl acetate	U		0.00378	0.0134	1	09/19/2019 09:43	WG1348193
Vinyl chloride	0.0238		0.000733	0.00268	1	09/19/2019 09:43	WG1348193
Xylenes, Total	U		0.00513	0.00697	1	09/19/2019 09:43	WG1348193
(S) Toluene-d8	*106*			*75.0-131*		*09/19/2019 09:43*	WG1348193
(S) 4-Bromofluorobenzene	*98.0*			*67.0-138*		*09/19/2019 09:43*	WG1348193
(S) 1,2-Dichloroethane-d4	*94.3*			*70.0-130*		*09/19/2019 09:43*	WG1348193

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.6		1	09/19/2019 20:23	WG1349074

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0401		0.0152	0.0279	1.01	09/19/2019 10:05	WG1348193
Acrylonitrile	U		0.00212	0.0139	1.01	09/19/2019 10:05	WG1348193
Benzene	U		0.000446	0.00111	1.01	09/19/2019 10:05	WG1348193
Bromobenzene	U		0.00117	0.0139	1.01	09/19/2019 10:05	WG1348193
Bromodichloromethane	U		0.000879	0.00279	1.01	09/19/2019 10:05	WG1348193
Bromochloromethane	U		0.00126	0.00557	1.01	09/19/2019 10:05	WG1348193
Bromoform	U		0.00667	0.0279	1.01	09/19/2019 10:05	WG1348193
Bromomethane	U		0.00413	0.0139	1.01	09/19/2019 10:05	WG1348193
n-Butylbenzene	U		0.00428	0.0139	1.01	09/19/2019 10:05	WG1348193
sec-Butylbenzene	U		0.00283	0.0139	1.01	09/19/2019 10:05	WG1348193
tert-Butylbenzene	U		0.00172	0.00557	1.01	09/19/2019 10:05	WG1348193
Carbon disulfide	U		0.00453	0.0139	1.01	09/19/2019 10:05	WG1348193
Carbon tetrachloride	U		0.00120	0.00557	1.01	09/19/2019 10:05	WG1348193
Chlorobenzene	U		0.000639	0.00279	1.01	09/19/2019 10:05	WG1348193
Chlorodibromomethane	U		0.000501	0.00279	1.01	09/19/2019 10:05	WG1348193
Chloroethane	U		0.00120	0.00557	1.01	09/19/2019 10:05	WG1348193
Chloroform	U		0.000463	0.00279	1.01	09/19/2019 10:05	WG1348193
Chloromethane	U		0.00155	0.0139	1.01	09/19/2019 10:05	WG1348193
2-Chlorotoluene	U		0.00103	0.00279	1.01	09/19/2019 10:05	WG1348193
4-Chlorotoluene	U		0.00126	0.00557	1.01	09/19/2019 10:05	WG1348193
1,2-Dibromo-3-Chloropropane	U	J0	0.00569	0.0279	1.01	09/19/2019 10:05	WG1348193
1,2-Dibromoethane	U		0.000585	0.00279	1.01	09/19/2019 10:05	WG1348193
Dibromomethane	U		0.00111	0.00557	1.01	09/19/2019 10:05	WG1348193
1,2-Dichlorobenzene	U		0.00161	0.00557	1.01	09/19/2019 10:05	WG1348193
1,3-Dichlorobenzene	U		0.00190	0.00557	1.01	09/19/2019 10:05	WG1348193
1,4-Dichlorobenzene	U		0.00220	0.00557	1.01	09/19/2019 10:05	WG1348193
Dichlorodifluoromethane	U		0.000912	0.00279	1.01	09/19/2019 10:05	WG1348193
1,1-Dichloroethane	U		0.000641	0.00279	1.01	09/19/2019 10:05	WG1348193
1,2-Dichloroethane	U		0.000530	0.00279	1.01	09/19/2019 10:05	WG1348193
1,1-Dichloroethene	0.00566		0.000557	0.00279	1.01	09/19/2019 10:05	WG1348193
cis-1,2-Dichloroethene	2.55		0.000769	0.00279	1.01	09/19/2019 10:05	WG1348193
trans-1,2-Dichloroethene	0.00469	J	0.00159	0.00557	1.01	09/19/2019 10:05	WG1348193
1,2-Dichloropropane	U		0.00141	0.00557	1.01	09/19/2019 10:05	WG1348193
1,1-Dichloropropene	U		0.000780	0.00279	1.01	09/19/2019 10:05	WG1348193
1,3-Dichloropropane	U		0.00195	0.00557	1.01	09/19/2019 10:05	WG1348193
cis-1,3-Dichloropropene	U		0.000756	0.00279	1.01	09/19/2019 10:05	WG1348193
trans-1,3-Dichloropropene	U		0.00170	0.00557	1.01	09/19/2019 10:05	WG1348193
trans-1,4-Dichloro-2-butene	U		0.00156	0.00557	1.01	09/19/2019 10:05	WG1348193
2,2-Dichloropropane	U		0.000884	0.00279	1.01	09/19/2019 10:05	WG1348193
Di-isopropyl ether	U		0.000391	0.00111	1.01	09/19/2019 10:05	WG1348193
Ethylbenzene	U		0.000591	0.00279	1.01	09/19/2019 10:05	WG1348193
Hexachloro-1,3-butadiene	U		0.0141	0.0279	1.01	09/19/2019 10:05	WG1348193
2-Hexanone	U		0.0111	0.0279	1.01	09/19/2019 10:05	WG1348193
n-Hexane	U		0.00118	0.00557	1.01	09/19/2019 10:05	WG1348193
Iodomethane	U		0.00674	0.0139	1.01	09/19/2019 10:05	WG1348193
Isopropylbenzene	U		0.000963	0.00279	1.01	09/19/2019 10:05	WG1348193
p-Isopropyltoluene	U		0.00259	0.00557	1.01	09/19/2019 10:05	WG1348193
2-Butanone (MEK)	0.0311	B	0.0139	0.0279	1.01	09/19/2019 10:05	WG1348193
Methylene Chloride	U		0.00741	0.0279	1.01	09/19/2019 10:05	WG1348193
4-Methyl-2-pentanone (MIBK)	U		0.0111	0.0279	1.01	09/19/2019 10:05	WG1348193

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000329	0.00111	1.01	09/19/2019 10:05	WG1348193
Naphthalene	U		0.00348	0.0139	1.01	09/19/2019 10:05	WG1348193
n-Propylbenzene	U		0.00131	0.00557	1.01	09/19/2019 10:05	WG1348193
Styrene	U		0.00305	0.0139	1.01	09/19/2019 10:05	WG1348193
1,1,1,2-Tetrachloroethane	U		0.000557	0.00279	1.01	09/19/2019 10:05	WG1348193
1,1,2,2-Tetrachloroethane	U		0.000435	0.00279	1.01	09/19/2019 10:05	WG1348193
1,1,2-Trichlorotrifluoroethane	U		0.000753	0.00279	1.01	09/19/2019 10:05	WG1348193
Tetrachloroethene	0.0258		0.000780	0.00279	1.01	09/19/2019 10:05	WG1348193
Toluene	0.00627		0.00139	0.00557	1.01	09/19/2019 10:05	WG1348193
1,2,3-Trichlorobenzene	U		0.000697	0.00279	1.01	09/19/2019 10:05	WG1348193
1,2,4-Trichlorobenzene	U		0.00538	0.0139	1.01	09/19/2019 10:05	WG1348193
1,1,1-Trichloroethane	U		0.000307	0.00279	1.01	09/19/2019 10:05	WG1348193
1,1,2-Trichloroethane	U		0.000985	0.00279	1.01	09/19/2019 10:05	WG1348193
Trichloroethene	0.199		0.000446	0.00111	1.01	09/19/2019 10:05	WG1348193
Trichlorofluoromethane	U		0.000557	0.00279	1.01	09/19/2019 10:05	WG1348193
1,2,3-Trichloropropane	U		0.00569	0.0139	1.01	09/19/2019 10:05	WG1348193
1,2,4-Trimethylbenzene	U		0.00129	0.00557	1.01	09/19/2019 10:05	WG1348193
1,2,3-Trimethylbenzene	U		0.00128	0.00557	1.01	09/19/2019 10:05	WG1348193
1,3,5-Trimethylbenzene	U		0.00120	0.00557	1.01	09/19/2019 10:05	WG1348193
Vinyl acetate	U		0.00393	0.0139	1.01	09/19/2019 10:05	WG1348193
Vinyl chloride	0.0515		0.000762	0.00279	1.01	09/19/2019 10:05	WG1348193
Xylenes, Total	U		0.00533	0.00725	1.01	09/19/2019 10:05	WG1348193
(S) Toluene-d8	*109*			*75.0-131*		*09/19/2019 10:05*	WG1348193
(S) 4-Bromofluorobenzene	*99.3*			*67.0-138*		*09/19/2019 10:05*	WG1348193
(S) 1,2-Dichloroethane-d4	*95.4*			*70.0-130*		*09/19/2019 10:05*	WG1348193

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.3		1	09/19/2019 20:23	WG1349074

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0406		0.0152	0.0277	1	09/19/2019 11:54	WG1348193
Acrylonitrile	U		0.00210	0.0138	1	09/19/2019 11:54	WG1348193
Benzene	0.000799	J	0.000443	0.00111	1	09/19/2019 11:54	WG1348193
Bromobenzene	U		0.00116	0.0138	1	09/19/2019 11:54	WG1348193
Bromodichloromethane	U		0.000872	0.00277	1	09/19/2019 11:54	WG1348193
Bromochloromethane	U		0.00125	0.00553	1	09/19/2019 11:54	WG1348193
Bromoform	U		0.00662	0.0277	1	09/19/2019 11:54	WG1348193
Bromomethane	U		0.00410	0.0138	1	09/19/2019 11:54	WG1348193
n-Butylbenzene	U		0.00425	0.0138	1	09/19/2019 11:54	WG1348193
sec-Butylbenzene	U		0.00280	0.0138	1	09/19/2019 11:54	WG1348193
tert-Butylbenzene	U		0.00172	0.00553	1	09/19/2019 11:54	WG1348193
Carbon disulfide	U		0.00449	0.0138	1	09/19/2019 11:54	WG1348193
Carbon tetrachloride	U		0.00120	0.00553	1	09/19/2019 11:54	WG1348193
Chlorobenzene	U		0.000634	0.00277	1	09/19/2019 11:54	WG1348193
Chlorodibromomethane	U		0.000498	0.00277	1	09/19/2019 11:54	WG1348193
Chloroethane	U		0.00120	0.00553	1	09/19/2019 11:54	WG1348193
Chloroform	U		0.000459	0.00277	1	09/19/2019 11:54	WG1348193
Chloromethane	U		0.00154	0.0138	1	09/19/2019 11:54	WG1348193
2-Chlorotoluene	U		0.00102	0.00277	1	09/19/2019 11:54	WG1348193
4-Chlorotoluene	U		0.00125	0.00553	1	09/19/2019 11:54	WG1348193
1,2-Dibromo-3-Chloropropane	U	J0	0.00564	0.0277	1	09/19/2019 11:54	WG1348193
1,2-Dibromoethane	U		0.000581	0.00277	1	09/19/2019 11:54	WG1348193
Dibromomethane	U		0.00111	0.00553	1	09/19/2019 11:54	WG1348193
1,2-Dichlorobenzene	U		0.00160	0.00553	1	09/19/2019 11:54	WG1348193
1,3-Dichlorobenzene	U		0.00188	0.00553	1	09/19/2019 11:54	WG1348193
1,4-Dichlorobenzene	U		0.00218	0.00553	1	09/19/2019 11:54	WG1348193
Dichlorodifluoromethane	U		0.000905	0.00277	1	09/19/2019 11:54	WG1348193
1,1-Dichloroethane	U		0.000636	0.00277	1	09/19/2019 11:54	WG1348193
1,2-Dichloroethane	U		0.000526	0.00277	1	09/19/2019 11:54	WG1348193
1,1-Dichloroethene	U		0.000553	0.00277	1	09/19/2019 11:54	WG1348193
cis-1,2-Dichloroethene	0.00457		0.000764	0.00277	1	09/19/2019 11:54	WG1348193
trans-1,2-Dichloroethene	U		0.00158	0.00553	1	09/19/2019 11:54	WG1348193
1,2-Dichloropropane	U		0.00141	0.00553	1	09/19/2019 11:54	WG1348193
1,1-Dichloropropene	U		0.000775	0.00277	1	09/19/2019 11:54	WG1348193
1,3-Dichloropropane	U		0.00194	0.00553	1	09/19/2019 11:54	WG1348193
cis-1,3-Dichloropropene	U		0.000750	0.00277	1	09/19/2019 11:54	WG1348193
trans-1,3-Dichloropropene	U		0.00169	0.00553	1	09/19/2019 11:54	WG1348193
trans-1,4-Dichloro-2-butene	U		0.00155	0.00553	1	09/19/2019 11:54	WG1348193
2,2-Dichloropropane	U		0.000878	0.00277	1	09/19/2019 11:54	WG1348193
Di-isopropyl ether	U		0.000387	0.00111	1	09/19/2019 11:54	WG1348193
Ethylbenzene	U		0.000587	0.00277	1	09/19/2019 11:54	WG1348193
Hexachloro-1,3-butadiene	U		0.0141	0.0277	1	09/19/2019 11:54	WG1348193
2-Hexanone	U		0.0111	0.0277	1	09/19/2019 11:54	WG1348193
n-Hexane	U		0.00117	0.00553	1	09/19/2019 11:54	WG1348193
Iodomethane	U		0.00670	0.0138	1	09/19/2019 11:54	WG1348193
Isopropylbenzene	U		0.000955	0.00277	1	09/19/2019 11:54	WG1348193
p-Isopropyltoluene	U		0.00258	0.00553	1	09/19/2019 11:54	WG1348193
2-Butanone (MEK)	0.0187	B J	0.0138	0.0277	1	09/19/2019 11:54	WG1348193
Methylene Chloride	U		0.00735	0.0277	1	09/19/2019 11:54	WG1348193
4-Methyl-2-pentanone (MIBK)	U		0.0111	0.0277	1	09/19/2019 11:54	WG1348193

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000327	0.00111	1	09/19/2019 11:54	WG1348193
Naphthalene	U		0.00345	0.0138	1	09/19/2019 11:54	WG1348193
n-Propylbenzene	U		0.00131	0.00553	1	09/19/2019 11:54	WG1348193
Styrene	U		0.00302	0.0138	1	09/19/2019 11:54	WG1348193
1,1,1,2-Tetrachloroethane	U		0.000553	0.00277	1	09/19/2019 11:54	WG1348193
1,1,2,2-Tetrachloroethane	U		0.000432	0.00277	1	09/19/2019 11:54	WG1348193
1,1,2-Trichlorotrifluoroethane	U		0.000747	0.00277	1	09/19/2019 11:54	WG1348193
Tetrachloroethene	0.00151	J	0.000775	0.00277	1	09/19/2019 11:54	WG1348193
Toluene	0.00815		0.00138	0.00553	1	09/19/2019 11:54	WG1348193
1,2,3-Trichlorobenzene	U		0.000692	0.00277	1	09/19/2019 11:54	WG1348193
1,2,4-Trichlorobenzene	U		0.00533	0.0138	1	09/19/2019 11:54	WG1348193
1,1,1-Trichloroethane	U		0.000304	0.00277	1	09/19/2019 11:54	WG1348193
1,1,2-Trichloroethane	U		0.000977	0.00277	1	09/19/2019 11:54	WG1348193
Trichloroethene	0.00106	J	0.000443	0.00111	1	09/19/2019 11:54	WG1348193
Trichlorofluoromethane	U		0.000553	0.00277	1	09/19/2019 11:54	WG1348193
1,2,3-Trichloropropane	U		0.00564	0.0138	1	09/19/2019 11:54	WG1348193
1,2,4-Trimethylbenzene	U		0.00128	0.00553	1	09/19/2019 11:54	WG1348193
1,2,3-Trimethylbenzene	U		0.00127	0.00553	1	09/19/2019 11:54	WG1348193
1,3,5-Trimethylbenzene	U		0.00120	0.00553	1	09/19/2019 11:54	WG1348193
Vinyl acetate	U		0.00390	0.0138	1	09/19/2019 11:54	WG1348193
Vinyl chloride	0.00391		0.000756	0.00277	1	09/19/2019 11:54	WG1348193
Xylenes, Total	U		0.00529	0.00719	1	09/19/2019 11:54	WG1348193
(S) Toluene-d8	*106*			*75.0-131*		*09/19/2019 11:54*	WG1348193
(S) 4-Bromofluorobenzene	*99.6*			*67.0-138*		*09/19/2019 11:54*	WG1348193
(S) 1,2-Dichloroethane-d4	*95.5*			*70.0-130*		*09/19/2019 11:54*	WG1348193

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.8		1	09/19/2019 20:45	WG1349075

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0353		0.0153	0.0278	1	09/19/2019 12:16	WG1348193
Acrylonitrile	U		0.00212	0.0139	1	09/19/2019 12:16	WG1348193
Benzene	U		0.000445	0.00111	1	09/19/2019 12:16	WG1348193
Bromobenzene	U		0.00117	0.0139	1	09/19/2019 12:16	WG1348193
Bromodichloromethane	U		0.000877	0.00278	1	09/19/2019 12:16	WG1348193
Bromochloromethane	U		0.00126	0.00557	1	09/19/2019 12:16	WG1348193
Bromoform	U		0.00666	0.0278	1	09/19/2019 12:16	WG1348193
Bromomethane	U		0.00412	0.0139	1	09/19/2019 12:16	WG1348193
n-Butylbenzene	U		0.00428	0.0139	1	09/19/2019 12:16	WG1348193
sec-Butylbenzene	U		0.00282	0.0139	1	09/19/2019 12:16	WG1348193
tert-Butylbenzene	U		0.00173	0.00557	1	09/19/2019 12:16	WG1348193
Carbon disulfide	U		0.00452	0.0139	1	09/19/2019 12:16	WG1348193
Carbon tetrachloride	U		0.00120	0.00557	1	09/19/2019 12:16	WG1348193
Chlorobenzene	U		0.000638	0.00278	1	09/19/2019 12:16	WG1348193
Chlorodibromomethane	U		0.000501	0.00278	1	09/19/2019 12:16	WG1348193
Chloroethane	U		0.00120	0.00557	1	09/19/2019 12:16	WG1348193
Chloroform	0.000505	B J	0.000462	0.00278	1	09/19/2019 12:16	WG1348193
Chloromethane	U		0.00155	0.0139	1	09/19/2019 12:16	WG1348193
2-Chlorotoluene	U		0.00102	0.00278	1	09/19/2019 12:16	WG1348193
4-Chlorotoluene	U		0.00126	0.00557	1	09/19/2019 12:16	WG1348193
1,2-Dibromo-3-Chloropropane	U	J0	0.00568	0.0278	1	09/19/2019 12:16	WG1348193
1,2-Dibromoethane	U		0.000584	0.00278	1	09/19/2019 12:16	WG1348193
Dibromomethane	U		0.00111	0.00557	1	09/19/2019 12:16	WG1348193
1,2-Dichlorobenzene	U		0.00161	0.00557	1	09/19/2019 12:16	WG1348193
1,3-Dichlorobenzene	U		0.00189	0.00557	1	09/19/2019 12:16	WG1348193
1,4-Dichlorobenzene	U		0.00219	0.00557	1	09/19/2019 12:16	WG1348193
Dichlorodifluoromethane	U		0.000911	0.00278	1	09/19/2019 12:16	WG1348193
1,1-Dichloroethane	U		0.000640	0.00278	1	09/19/2019 12:16	WG1348193
1,2-Dichloroethane	U		0.000529	0.00278	1	09/19/2019 12:16	WG1348193
1,1-Dichloroethene	U		0.000557	0.00278	1	09/19/2019 12:16	WG1348193
cis-1,2-Dichloroethene	0.313		0.000768	0.00278	1	09/19/2019 12:16	WG1348193
trans-1,2-Dichloroethene	U		0.00159	0.00557	1	09/19/2019 12:16	WG1348193
1,2-Dichloropropane	U		0.00141	0.00557	1	09/19/2019 12:16	WG1348193
1,1-Dichloropropene	U		0.000779	0.00278	1	09/19/2019 12:16	WG1348193
1,3-Dichloropropane	U		0.00195	0.00557	1	09/19/2019 12:16	WG1348193
cis-1,3-Dichloropropene	U		0.000755	0.00278	1	09/19/2019 12:16	WG1348193
trans-1,3-Dichloropropene	U		0.00170	0.00557	1	09/19/2019 12:16	WG1348193
trans-1,4-Dichloro-2-butene	U		0.00156	0.00557	1	09/19/2019 12:16	WG1348193
2,2-Dichloropropane	U		0.000883	0.00278	1	09/19/2019 12:16	WG1348193
Di-isopropyl ether	U		0.000390	0.00111	1	09/19/2019 12:16	WG1348193
Ethylbenzene	U		0.000590	0.00278	1	09/19/2019 12:16	WG1348193
Hexachloro-1,3-butadiene	U		0.0141	0.0278	1	09/19/2019 12:16	WG1348193
2-Hexanone	U		0.0111	0.0278	1	09/19/2019 12:16	WG1348193
n-Hexane	U		0.00118	0.00557	1	09/19/2019 12:16	WG1348193
Iodomethane	U		0.00674	0.0139	1	09/19/2019 12:16	WG1348193
Isopropylbenzene	U		0.000961	0.00278	1	09/19/2019 12:16	WG1348193
p-Isopropyltoluene	U		0.00259	0.00557	1	09/19/2019 12:16	WG1348193
2-Butanone (MEK)	0.0173	B J	0.0139	0.0278	1	09/19/2019 12:16	WG1348193
Methylene Chloride	U		0.00739	0.0278	1	09/19/2019 12:16	WG1348193
4-Methyl-2-pentanone (MIBK)	U		0.0111	0.0278	1	09/19/2019 12:16	WG1348193

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

Analyte	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	09/19/2019 12:16	WG1348193
Naphthalene	U		0.00347	0.0139	1	09/19/2019 12:16	WG1348193
n-Propylbenzene	U		0.00131	0.00557	1	09/19/2019 12:16	WG1348193
Styrene	U		0.00304	0.0139	1	09/19/2019 12:16	WG1348193
1,1,1,2-Tetrachloroethane	U		0.000557	0.00278	1	09/19/2019 12:16	WG1348193
1,1,2,2-Tetrachloroethane	U		0.000434	0.00278	1	09/19/2019 12:16	WG1348193
1,1,2-Trichlorotrifluoroethane	U		0.000751	0.00278	1	09/19/2019 12:16	WG1348193
Tetrachloroethene	U		0.000779	0.00278	1	09/19/2019 12:16	WG1348193
Toluene	0.00713		0.00139	0.00557	1	09/19/2019 12:16	WG1348193
1,2,3-Trichlorobenzene	U		0.000696	0.00278	1	09/19/2019 12:16	WG1348193
1,2,4-Trichlorobenzene	U		0.00537	0.0139	1	09/19/2019 12:16	WG1348193
1,1,1-Trichloroethane	U		0.000306	0.00278	1	09/19/2019 12:16	WG1348193
1,1,2-Trichloroethane	U		0.000983	0.00278	1	09/19/2019 12:16	WG1348193
Trichloroethene	U		0.000445	0.00111	1	09/19/2019 12:16	WG1348193
Trichlorofluoromethane	U		0.000557	0.00278	1	09/19/2019 12:16	WG1348193
1,2,3-Trichloropropane	U		0.00568	0.0139	1	09/19/2019 12:16	WG1348193
1,2,4-Trimethylbenzene	U		0.00129	0.00557	1	09/19/2019 12:16	WG1348193
1,2,3-Trimethylbenzene	U		0.00128	0.00557	1	09/19/2019 12:16	WG1348193
1,3,5-Trimethylbenzene	U		0.00120	0.00557	1	09/19/2019 12:16	WG1348193
Vinyl acetate	U		0.00392	0.0139	1	09/19/2019 12:16	WG1348193
Vinyl chloride	U		0.000760	0.00278	1	09/19/2019 12:16	WG1348193
Xylenes, Total	U		0.00532	0.00724	1	09/19/2019 12:16	WG1348193
(S) Toluene-d8	*108*			*75.0-131*		*09/19/2019 12:16*	WG1348193
(S) 4-Bromofluorobenzene	*96.4*			*67.0-138*		*09/19/2019 12:16*	WG1348193
(S) 1,2-Dichloroethane-d4	*95.8*			*70.0-130*		*09/19/2019 12:16*	WG1348193

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.8		1	09/19/2019 20:45	WG1349075

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0283	J	0.0165	0.0302	1	09/19/2019 12:59	WG1348193
Acrylonitrile	U		0.00229	0.0151	1	09/19/2019 12:59	WG1348193
Benzene	U		0.000483	0.00121	1	09/19/2019 12:59	WG1348193
Bromobenzene	U		0.00127	0.0151	1	09/19/2019 12:59	WG1348193
Bromodichloromethane	U		0.000951	0.00302	1	09/19/2019 12:59	WG1348193
Bromochloromethane	U		0.00136	0.00604	1	09/19/2019 12:59	WG1348193
Bromoform	U		0.00722	0.0302	1	09/19/2019 12:59	WG1348193
Bromomethane	U		0.00447	0.0151	1	09/19/2019 12:59	WG1348193
n-Butylbenzene	U		0.00464	0.0151	1	09/19/2019 12:59	WG1348193
sec-Butylbenzene	U		0.00305	0.0151	1	09/19/2019 12:59	WG1348193
tert-Butylbenzene	U		0.00187	0.00604	1	09/19/2019 12:59	WG1348193
Carbon disulfide	U		0.00490	0.0151	1	09/19/2019 12:59	WG1348193
Carbon tetrachloride	U		0.00130	0.00604	1	09/19/2019 12:59	WG1348193
Chlorobenzene	U		0.000692	0.00302	1	09/19/2019 12:59	WG1348193
Chlorodibromomethane	U		0.000543	0.00302	1	09/19/2019 12:59	WG1348193
Chloroethane	U		0.00130	0.00604	1	09/19/2019 12:59	WG1348193
Chloroform	U		0.000501	0.00302	1	09/19/2019 12:59	WG1348193
Chloromethane	U		0.00168	0.0151	1	09/19/2019 12:59	WG1348193
2-Chlorotoluene	U		0.00111	0.00302	1	09/19/2019 12:59	WG1348193
4-Chlorotoluene	U		0.00136	0.00604	1	09/19/2019 12:59	WG1348193
1,2-Dibromo-3-Chloropropane	U	J0	0.00616	0.0302	1	09/19/2019 12:59	WG1348193
1,2-Dibromoethane	U		0.000634	0.00302	1	09/19/2019 12:59	WG1348193
Dibromomethane	U		0.00121	0.00604	1	09/19/2019 12:59	WG1348193
1,2-Dichlorobenzene	U		0.00175	0.00604	1	09/19/2019 12:59	WG1348193
1,3-Dichlorobenzene	U		0.00205	0.00604	1	09/19/2019 12:59	WG1348193
1,4-Dichlorobenzene	U		0.00238	0.00604	1	09/19/2019 12:59	WG1348193
Dichlorodifluoromethane	U		0.000988	0.00302	1	09/19/2019 12:59	WG1348193
1,1-Dichloroethane	U		0.000694	0.00302	1	09/19/2019 12:59	WG1348193
1,2-Dichloroethane	U		0.000574	0.00302	1	09/19/2019 12:59	WG1348193
1,1-Dichloroethene	U		0.000604	0.00302	1	09/19/2019 12:59	WG1348193
cis-1,2-Dichloroethene	0.406		0.000833	0.00302	1	09/19/2019 12:59	WG1348193
trans-1,2-Dichloroethene	U		0.00173	0.00604	1	09/19/2019 12:59	WG1348193
1,2-Dichloropropane	U		0.00153	0.00604	1	09/19/2019 12:59	WG1348193
1,1-Dichloropropene	U		0.000845	0.00302	1	09/19/2019 12:59	WG1348193
1,3-Dichloropropane	U		0.00211	0.00604	1	09/19/2019 12:59	WG1348193
cis-1,3-Dichloropropene	U		0.000819	0.00302	1	09/19/2019 12:59	WG1348193
trans-1,3-Dichloropropene	U		0.00185	0.00604	1	09/19/2019 12:59	WG1348193
trans-1,4-Dichloro-2-butene	U		0.00169	0.00604	1	09/19/2019 12:59	WG1348193
2,2-Dichloropropane	U		0.000957	0.00302	1	09/19/2019 12:59	WG1348193
Di-isopropyl ether	U		0.000423	0.00121	1	09/19/2019 12:59	WG1348193
Ethylbenzene	U		0.000640	0.00302	1	09/19/2019 12:59	WG1348193
Hexachloro-1,3-butadiene	U		0.0153	0.0302	1	09/19/2019 12:59	WG1348193
2-Hexanone	U		0.0121	0.0302	1	09/19/2019 12:59	WG1348193
n-Hexane	U		0.00128	0.00604	1	09/19/2019 12:59	WG1348193
Iodomethane	U		0.00730	0.0151	1	09/19/2019 12:59	WG1348193
Isopropylbenzene	U		0.00104	0.00302	1	09/19/2019 12:59	WG1348193
p-Isopropyltoluene	U		0.00281	0.00604	1	09/19/2019 12:59	WG1348193
2-Butanone (MEK)	0.0189	B J	0.0151	0.0302	1	09/19/2019 12:59	WG1348193
Methylene Chloride	U		0.00802	0.0302	1	09/19/2019 12:59	WG1348193
4-Methyl-2-pentanone (MIBK)	U		0.0121	0.0302	1	09/19/2019 12:59	WG1348193

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000356	0.00121	1	09/19/2019 12:59	WG1348193
Naphthalene	U		0.00377	0.0151	1	09/19/2019 12:59	WG1348193
n-Propylbenzene	U		0.00142	0.00604	1	09/19/2019 12:59	WG1348193
Styrene	U		0.00330	0.0151	1	09/19/2019 12:59	WG1348193
1,1,1,2-Tetrachloroethane	U		0.000604	0.00302	1	09/19/2019 12:59	WG1348193
1,1,2,2-Tetrachloroethane	U		0.000471	0.00302	1	09/19/2019 12:59	WG1348193
1,1,2-Trichlorotrifluoroethane	U		0.000815	0.00302	1	09/19/2019 12:59	WG1348193
Tetrachloroethene	U		0.000845	0.00302	1	09/19/2019 12:59	WG1348193
Toluene	0.00644		0.00151	0.00604	1	09/19/2019 12:59	WG1348193
1,2,3-Trichlorobenzene	U		0.000755	0.00302	1	09/19/2019 12:59	WG1348193
1,2,4-Trichlorobenzene	U		0.00582	0.0151	1	09/19/2019 12:59	WG1348193
1,1,1-Trichloroethane	U		0.000332	0.00302	1	09/19/2019 12:59	WG1348193
1,1,2-Trichloroethane	U		0.00107	0.00302	1	09/19/2019 12:59	WG1348193
Trichloroethene	U		0.000483	0.00121	1	09/19/2019 12:59	WG1348193
Trichlorofluoromethane	U		0.000604	0.00302	1	09/19/2019 12:59	WG1348193
1,2,3-Trichloropropane	U		0.00616	0.0151	1	09/19/2019 12:59	WG1348193
1,2,4-Trimethylbenzene	U		0.00140	0.00604	1	09/19/2019 12:59	WG1348193
1,2,3-Trimethylbenzene	U		0.00139	0.00604	1	09/19/2019 12:59	WG1348193
1,3,5-Trimethylbenzene	U		0.00130	0.00604	1	09/19/2019 12:59	WG1348193
Vinyl acetate	U		0.00425	0.0151	1	09/19/2019 12:59	WG1348193
Vinyl chloride	0.0756		0.000825	0.00302	1	09/19/2019 12:59	WG1348193
Xylenes, Total	U		0.00577	0.00785	1	09/19/2019 12:59	WG1348193
(S) Toluene-d8	*107*			*75.0-131*		*09/19/2019 12:59*	WG1348193
(S) 4-Bromofluorobenzene	*98.3*			*67.0-138*		*09/19/2019 12:59*	WG1348193
(S) 1,2-Dichloroethane-d4	*96.1*			*70.0-130*		*09/19/2019 12:59*	WG1348193

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.4		1	09/19/2019 20:45	WG1349075

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0305		0.0152	0.0277	1	09/19/2019 13:21	WG1348193
Acrylonitrile	U		0.00210	0.0138	1	09/19/2019 13:21	WG1348193
Benzene	U		0.000442	0.00111	1	09/19/2019 13:21	WG1348193
Bromobenzene	U		0.00116	0.0138	1	09/19/2019 13:21	WG1348193
Bromodichloromethane	U		0.000872	0.00277	1	09/19/2019 13:21	WG1348193
Bromochloromethane	U		0.00125	0.00553	1	09/19/2019 13:21	WG1348193
Bromoform	U		0.00661	0.0277	1	09/19/2019 13:21	WG1348193
Bromomethane	U		0.00409	0.0138	1	09/19/2019 13:21	WG1348193
n-Butylbenzene	U		0.00425	0.0138	1	09/19/2019 13:21	WG1348193
sec-Butylbenzene	U		0.00280	0.0138	1	09/19/2019 13:21	WG1348193
tert-Butylbenzene	U		0.00171	0.00553	1	09/19/2019 13:21	WG1348193
Carbon disulfide	U		0.00449	0.0138	1	09/19/2019 13:21	WG1348193
Carbon tetrachloride	U		0.00119	0.00553	1	09/19/2019 13:21	WG1348193
Chlorobenzene	U		0.000634	0.00277	1	09/19/2019 13:21	WG1348193
Chlorodibromomethane	U		0.000498	0.00277	1	09/19/2019 13:21	WG1348193
Chloroethane	U		0.00119	0.00553	1	09/19/2019 13:21	WG1348193
Chloroform	U		0.000459	0.00277	1	09/19/2019 13:21	WG1348193
Chloromethane	U		0.00154	0.0138	1	09/19/2019 13:21	WG1348193
2-Chlorotoluene	U		0.00102	0.00277	1	09/19/2019 13:21	WG1348193
4-Chlorotoluene	U		0.00125	0.00553	1	09/19/2019 13:21	WG1348193
1,2-Dibromo-3-Chloropropane	U	J0	0.00564	0.0277	1	09/19/2019 13:21	WG1348193
1,2-Dibromoethane	U		0.000581	0.00277	1	09/19/2019 13:21	WG1348193
Dibromomethane	U		0.00111	0.00553	1	09/19/2019 13:21	WG1348193
1,2-Dichlorobenzene	U		0.00160	0.00553	1	09/19/2019 13:21	WG1348193
1,3-Dichlorobenzene	U		0.00188	0.00553	1	09/19/2019 13:21	WG1348193
1,4-Dichlorobenzene	U		0.00218	0.00553	1	09/19/2019 13:21	WG1348193
Dichlorodifluoromethane	U		0.000905	0.00277	1	09/19/2019 13:21	WG1348193
1,1-Dichloroethane	U		0.000636	0.00277	1	09/19/2019 13:21	WG1348193
1,2-Dichloroethane	U		0.000525	0.00277	1	09/19/2019 13:21	WG1348193
1,1-Dichloroethene	U		0.000553	0.00277	1	09/19/2019 13:21	WG1348193
cis-1,2-Dichloroethene	0.102		0.000763	0.00277	1	09/19/2019 13:21	WG1348193
trans-1,2-Dichloroethene	U		0.00158	0.00553	1	09/19/2019 13:21	WG1348193
1,2-Dichloropropane	U		0.00140	0.00553	1	09/19/2019 13:21	WG1348193
1,1-Dichloropropene	U		0.000774	0.00277	1	09/19/2019 13:21	WG1348193
1,3-Dichloropropane	U		0.00194	0.00553	1	09/19/2019 13:21	WG1348193
cis-1,3-Dichloropropene	U		0.000750	0.00277	1	09/19/2019 13:21	WG1348193
trans-1,3-Dichloropropene	U		0.00169	0.00553	1	09/19/2019 13:21	WG1348193
trans-1,4-Dichloro-2-butene	U		0.00155	0.00553	1	09/19/2019 13:21	WG1348193
2,2-Dichloropropane	U		0.000877	0.00277	1	09/19/2019 13:21	WG1348193
Di-isopropyl ether	U		0.000387	0.00111	1	09/19/2019 13:21	WG1348193
Ethylbenzene	U		0.000586	0.00277	1	09/19/2019 13:21	WG1348193
Hexachloro-1,3-butadiene	U		0.0140	0.0277	1	09/19/2019 13:21	WG1348193
2-Hexanone	U		0.0111	0.0277	1	09/19/2019 13:21	WG1348193
n-Hexane	0.0106		0.00117	0.00553	1	09/19/2019 13:21	WG1348193
Iodomethane	U		0.00669	0.0138	1	09/19/2019 13:21	WG1348193
Isopropylbenzene	U		0.000955	0.00277	1	09/19/2019 13:21	WG1348193
p-Isopropyltoluene	U		0.00258	0.00553	1	09/19/2019 13:21	WG1348193
2-Butanone (MEK)	0.0205	B J	0.0138	0.0277	1	09/19/2019 13:21	WG1348193
Methylene Chloride	U		0.00734	0.0277	1	09/19/2019 13:21	WG1348193
4-Methyl-2-pentanone (MIBK)	U		0.0111	0.0277	1	09/19/2019 13:21	WG1348193

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		0.000326	0.00111	1	09/19/2019 13:21	WG1348193
Naphthalene	U		0.00345	0.0138	1	09/19/2019 13:21	WG1348193
n-Propylbenzene	U		0.00131	0.00553	1	09/19/2019 13:21	WG1348193
Styrene	U		0.00302	0.0138	1	09/19/2019 13:21	WG1348193
1,1,1,2-Tetrachloroethane	U		0.000553	0.00277	1	09/19/2019 13:21	WG1348193
1,1,2,2-Tetrachloroethane	U		0.000431	0.00277	1	09/19/2019 13:21	WG1348193
1,1,2-Trichlorotrifluoroethane	U		0.000747	0.00277	1	09/19/2019 13:21	WG1348193
Tetrachloroethene	U		0.000774	0.00277	1	09/19/2019 13:21	WG1348193
Toluene	0.00757		0.00138	0.00553	1	09/19/2019 13:21	WG1348193
1,2,3-Trichlorobenzene	U		0.000691	0.00277	1	09/19/2019 13:21	WG1348193
1,2,4-Trichlorobenzene	U		0.00533	0.0138	1	09/19/2019 13:21	WG1348193
1,1,1-Trichloroethane	U		0.000304	0.00277	1	09/19/2019 13:21	WG1348193
1,1,2-Trichloroethane	U		0.000977	0.00277	1	09/19/2019 13:21	WG1348193
Trichloroethene	U		0.000442	0.00111	1	09/19/2019 13:21	WG1348193
Trichlorofluoromethane	U		0.000553	0.00277	1	09/19/2019 13:21	WG1348193
1,2,3-Trichloropropane	U		0.00564	0.0138	1	09/19/2019 13:21	WG1348193
1,2,4-Trimethylbenzene	U		0.00128	0.00553	1	09/19/2019 13:21	WG1348193
1,2,3-Trimethylbenzene	U		0.00127	0.00553	1	09/19/2019 13:21	WG1348193
1,3,5-Trimethylbenzene	U		0.00119	0.00553	1	09/19/2019 13:21	WG1348193
Vinyl acetate	U		0.00389	0.0138	1	09/19/2019 13:21	WG1348193
Vinyl chloride	0.0239		0.000755	0.00277	1	09/19/2019 13:21	WG1348193
Xylenes, Total	U		0.00529	0.00719	1	09/19/2019 13:21	WG1348193
(S) Toluene-d8	*107*			*75.0-131*		*09/19/2019 13:21*	WG1348193
(S) 4-Bromofluorobenzene	*96.5*			*67.0-138*		*09/19/2019 13:21*	WG1348193
(S) 1,2-Dichloroethane-d4	*96.9*			*70.0-130*		*09/19/2019 13:21*	WG1348193

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.1		1	09/19/2019 20:45	WG1349075

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0316	B	0.0156	0.0284	1	09/24/2019 03:49	WG1350568
Acrylonitrile	U	J0	0.00216	0.0142	1	09/24/2019 03:49	WG1350568
Benzene	U		0.000454	0.00114	1	09/24/2019 03:49	WG1350568
Bromobenzene	U		0.00119	0.0142	1	09/24/2019 03:49	WG1350568
Bromodichloromethane	U		0.000895	0.00284	1	09/24/2019 03:49	WG1350568
Bromochloromethane	U		0.00128	0.00568	1	09/24/2019 03:49	WG1350568
Bromoform	U		0.00679	0.0284	1	09/24/2019 03:49	WG1350568
Bromomethane	U		0.00420	0.0142	1	09/24/2019 03:49	WG1350568
n-Butylbenzene	U		0.00436	0.0142	1	09/24/2019 03:49	WG1350568
sec-Butylbenzene	U		0.00287	0.0142	1	09/24/2019 03:49	WG1350568
tert-Butylbenzene	U		0.00176	0.00568	1	09/24/2019 03:49	WG1350568
Carbon disulfide	U	J0	0.00461	0.0142	1	09/24/2019 03:49	WG1350568
Carbon tetrachloride	U		0.00123	0.00568	1	09/24/2019 03:49	WG1350568
Chlorobenzene	U		0.000651	0.00284	1	09/24/2019 03:49	WG1350568
Chlorodibromomethane	U		0.000511	0.00284	1	09/24/2019 03:49	WG1350568
Chloroethane	U		0.00123	0.00568	1	09/24/2019 03:49	WG1350568
Chloroform	U		0.000471	0.00284	1	09/24/2019 03:49	WG1350568
Chloromethane	U		0.00158	0.0142	1	09/24/2019 03:49	WG1350568
2-Chlorotoluene	U		0.00104	0.00284	1	09/24/2019 03:49	WG1350568
4-Chlorotoluene	U		0.00128	0.00568	1	09/24/2019 03:49	WG1350568
1,2-Dibromo-3-Chloropropane	U	J0	0.00579	0.0284	1	09/24/2019 03:49	WG1350568
1,2-Dibromoethane	U		0.000596	0.00284	1	09/24/2019 03:49	WG1350568
Dibromomethane	U		0.00114	0.00568	1	09/24/2019 03:49	WG1350568
1,2-Dichlorobenzene	U		0.00165	0.00568	1	09/24/2019 03:49	WG1350568
1,3-Dichlorobenzene	U		0.00193	0.00568	1	09/24/2019 03:49	WG1350568
1,4-Dichlorobenzene	U		0.00224	0.00568	1	09/24/2019 03:49	WG1350568
Dichlorodifluoromethane	U		0.000929	0.00284	1	09/24/2019 03:49	WG1350568
1,1-Dichloroethane	U		0.000653	0.00284	1	09/24/2019 03:49	WG1350568
1,2-Dichloroethane	U		0.000539	0.00284	1	09/24/2019 03:49	WG1350568
1,1-Dichloroethene	U		0.000568	0.00284	1	09/24/2019 03:49	WG1350568
cis-1,2-Dichloroethene	0.0843		0.000783	0.00284	1	09/24/2019 03:49	WG1350568
trans-1,2-Dichloroethene	U		0.00162	0.00568	1	09/24/2019 03:49	WG1350568
1,2-Dichloropropane	U		0.00144	0.00568	1	09/24/2019 03:49	WG1350568
1,1-Dichloropropene	U		0.000795	0.00284	1	09/24/2019 03:49	WG1350568
1,3-Dichloropropane	U		0.00199	0.00568	1	09/24/2019 03:49	WG1350568
cis-1,3-Dichloropropene	U		0.000770	0.00284	1	09/24/2019 03:49	WG1350568
trans-1,3-Dichloropropene	U		0.00174	0.00568	1	09/24/2019 03:49	WG1350568
trans-1,4-Dichloro-2-butene	U		0.00159	0.00568	1	09/24/2019 03:49	WG1350568
2,2-Dichloropropane	U		0.000900	0.00284	1	09/24/2019 03:49	WG1350568
Di-isopropyl ether	U		0.000397	0.00114	1	09/24/2019 03:49	WG1350568
Ethylbenzene	U		0.000602	0.00284	1	09/24/2019 03:49	WG1350568
Hexachloro-1,3-butadiene	U		0.0144	0.0284	1	09/24/2019 03:49	WG1350568
2-Hexanone	U		0.0114	0.0284	1	09/24/2019 03:49	WG1350568
n-Hexane	U	J0	0.00120	0.00568	1	09/24/2019 03:49	WG1350568
Iodomethane	U		0.00687	0.0142	1	09/24/2019 03:49	WG1350568
Isopropylbenzene	U		0.000980	0.00284	1	09/24/2019 03:49	WG1350568
p-Isopropyltoluene	U		0.00265	0.00568	1	09/24/2019 03:49	WG1350568
2-Butanone (MEK)	0.0149	J J0	0.0142	0.0284	1	09/24/2019 03:49	WG1350568
Methylene Chloride	0.0108	J	0.00754	0.0284	1	09/24/2019 03:49	WG1350568
4-Methyl-2-pentanone (MIBK)	U		0.0114	0.0284	1	09/24/2019 03:49	WG1350568

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000335	0.00114	1	09/24/2019 03:49	WG1350568
Naphthalene	U		0.00354	0.0142	1	09/24/2019 03:49	WG1350568
n-Propylbenzene	U		0.00134	0.00568	1	09/24/2019 03:49	WG1350568
Styrene	U		0.00310	0.0142	1	09/24/2019 03:49	WG1350568
1,1,1,2-Tetrachloroethane	U		0.000568	0.00284	1	09/24/2019 03:49	WG1350568
1,1,2,2-Tetrachloroethane	U	J0	0.000443	0.00284	1	09/24/2019 03:49	WG1350568
1,1,2-Trichlorotrifluoroethane	U		0.000766	0.00284	1	09/24/2019 03:49	WG1350568
Tetrachloroethene	U		0.000795	0.00284	1	09/24/2019 03:49	WG1350568
Toluene	0.00364	J	0.00142	0.00568	1	09/24/2019 03:49	WG1350568
1,2,3-Trichlorobenzene	U		0.000710	0.00284	1	09/24/2019 03:49	WG1350568
1,2,4-Trichlorobenzene	U		0.00547	0.0142	1	09/24/2019 03:49	WG1350568
1,1,1-Trichloroethane	U		0.000312	0.00284	1	09/24/2019 03:49	WG1350568
1,1,2-Trichloroethane	U		0.00100	0.00284	1	09/24/2019 03:49	WG1350568
Trichloroethene	U		0.000454	0.00114	1	09/24/2019 03:49	WG1350568
Trichlorofluoromethane	U		0.000568	0.00284	1	09/24/2019 03:49	WG1350568
1,2,3-Trichloropropane	U		0.00579	0.0142	1	09/24/2019 03:49	WG1350568
1,2,4-Trimethylbenzene	U		0.00132	0.00568	1	09/24/2019 03:49	WG1350568
1,2,3-Trimethylbenzene	U		0.00131	0.00568	1	09/24/2019 03:49	WG1350568
1,3,5-Trimethylbenzene	U		0.00123	0.00568	1	09/24/2019 03:49	WG1350568
Vinyl acetate	U	J0	0.00400	0.0142	1	09/24/2019 03:49	WG1350568
Vinyl chloride	U		0.000775	0.00284	1	09/24/2019 03:49	WG1350568
Xylenes, Total	U		0.00543	0.00738	1	09/24/2019 03:49	WG1350568
(S) Toluene-d8	*111*			*75.0-131*		*09/24/2019 03:49*	WG1350568
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*09/24/2019 03:49*	WG1350568
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/24/2019 03:49*	WG1350568

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.6		1	09/19/2019 20:45	WG1349075

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.253	J	0.166	0.304	10.88	09/24/2019 11:14	WG1350962
Acrylonitrile	U	J0	0.0231	0.152	10.88	09/24/2019 11:14	WG1350962
Benzene	U		0.00486	0.0121	10.88	09/24/2019 11:14	WG1350962
Bromobenzene	U		0.0127	0.152	10.88	09/24/2019 11:14	WG1350962
Bromodichloromethane	U		0.00957	0.0304	10.88	09/24/2019 11:14	WG1350962
Bromochloromethane	U		0.0137	0.0607	10.88	09/24/2019 11:14	WG1350962
Bromoform	U		0.0727	0.304	10.88	09/24/2019 11:14	WG1350962
Bromomethane	U		0.0449	0.152	10.88	09/24/2019 11:14	WG1350962
n-Butylbenzene	U		0.0467	0.152	10.88	09/24/2019 11:14	WG1350962
sec-Butylbenzene	U		0.0307	0.152	10.88	09/24/2019 11:14	WG1350962
tert-Butylbenzene	U		0.0189	0.0607	10.88	09/24/2019 11:14	WG1350962
Carbon disulfide	U		0.0494	0.152	10.88	09/24/2019 11:14	WG1350962
Carbon tetrachloride	U		0.0132	0.0607	10.88	09/24/2019 11:14	WG1350962
Chlorobenzene	U		0.00696	0.0304	10.88	09/24/2019 11:14	WG1350962
Chlorodibromomethane	U		0.00547	0.0304	10.88	09/24/2019 11:14	WG1350962
Chloroethane	U		0.0132	0.0607	10.88	09/24/2019 11:14	WG1350962
Chloroform	U		0.00505	0.0304	10.88	09/24/2019 11:14	WG1350962
Chloromethane	U		0.0169	0.152	10.88	09/24/2019 11:14	WG1350962
2-Chlorotoluene	U		0.0112	0.0304	10.88	09/24/2019 11:14	WG1350962
4-Chlorotoluene	U		0.0137	0.0607	10.88	09/24/2019 11:14	WG1350962
1,2-Dibromo-3-Chloropropane	U	J0	0.0620	0.304	10.88	09/24/2019 11:14	WG1350962
1,2-Dibromoethane	U		0.00638	0.0304	10.88	09/24/2019 11:14	WG1350962
Dibromomethane	U		0.0122	0.0607	10.88	09/24/2019 11:14	WG1350962
1,2-Dichlorobenzene	U		0.0176	0.0607	10.88	09/24/2019 11:14	WG1350962
1,3-Dichlorobenzene	U		0.0207	0.0607	10.88	09/24/2019 11:14	WG1350962
1,4-Dichlorobenzene	U		0.0239	0.0607	10.88	09/24/2019 11:14	WG1350962
Dichlorodifluoromethane	U		0.00994	0.0304	10.88	09/24/2019 11:14	WG1350962
1,1-Dichloroethane	U		0.00699	0.0304	10.88	09/24/2019 11:14	WG1350962
1,2-Dichloroethane	U		0.00577	0.0304	10.88	09/24/2019 11:14	WG1350962
1,1-Dichloroethene	U		0.00607	0.0304	10.88	09/24/2019 11:14	WG1350962
cis-1,2-Dichloroethene	0.0502		0.00839	0.0304	10.88	09/24/2019 11:14	WG1350962
trans-1,2-Dichloroethene	U		0.0174	0.0607	10.88	09/24/2019 11:14	WG1350962
1,2-Dichloropropane	U		0.0154	0.0607	10.88	09/24/2019 11:14	WG1350962
1,1-Dichloropropene	U		0.00851	0.0304	10.88	09/24/2019 11:14	WG1350962
1,3-Dichloropropane	U		0.0212	0.0607	10.88	09/24/2019 11:14	WG1350962
cis-1,3-Dichloropropene	U		0.00824	0.0304	10.88	09/24/2019 11:14	WG1350962
trans-1,3-Dichloropropene	U		0.0185	0.0607	10.88	09/24/2019 11:14	WG1350962
trans-1,4-Dichloro-2-butene	U		0.0170	0.0607	10.88	09/24/2019 11:14	WG1350962
2,2-Dichloropropane	U		0.00964	0.0304	10.88	09/24/2019 11:14	WG1350962
Di-isopropyl ether	U		0.00425	0.0121	10.88	09/24/2019 11:14	WG1350962
Ethylbenzene	U		0.00644	0.0304	10.88	09/24/2019 11:14	WG1350962
Hexachloro-1,3-butadiene	U		0.154	0.304	10.88	09/24/2019 11:14	WG1350962
2-Hexanone	U	J0	0.122	0.304	10.88	09/24/2019 11:14	WG1350962
n-Hexane	U	J0	0.0128	0.0607	10.88	09/24/2019 11:14	WG1350962
Iodomethane	U		0.0735	0.152	10.88	09/24/2019 11:14	WG1350962
Isopropylbenzene	U		0.0105	0.0304	10.88	09/24/2019 11:14	WG1350962
p-Isopropyltoluene	U		0.0284	0.0607	10.88	09/24/2019 11:14	WG1350962
2-Butanone (MEK)	U		0.152	0.304	10.88	09/24/2019 11:14	WG1350962
Methylene Chloride	U		0.0806	0.304	10.88	09/24/2019 11:14	WG1350962
4-Methyl-2-pentanone (MIBK)	U		0.122	0.304	10.88	09/24/2019 11:14	WG1350962

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.00358	0.0121	10.88	09/24/2019 11:14	WG1350962
Naphthalene	U		0.0379	0.152	10.88	09/24/2019 11:14	WG1350962
n-Propylbenzene	U		0.0143	0.0607	10.88	09/24/2019 11:14	WG1350962
Styrene	U		0.0332	0.152	10.88	09/24/2019 11:14	WG1350962
1,1,1,2-Tetrachloroethane	U		0.00607	0.0304	10.88	09/24/2019 11:14	WG1350962
1,1,2,2-Tetrachloroethane	U	J0 J4	0.00473	0.0304	10.88	09/24/2019 11:14	WG1350962
1,1,2-Trichlorotrifluoroethane	U		0.00820	0.0304	10.88	09/24/2019 11:14	WG1350962
Tetrachloroethene	0.298		0.00851	0.0304	10.88	09/24/2019 11:14	WG1350962
Toluene	0.0338	J	0.0152	0.0607	10.88	09/24/2019 11:14	WG1350962
1,2,3-Trichlorobenzene	U		0.00759	0.0304	10.88	09/24/2019 11:14	WG1350962
1,2,4-Trichlorobenzene	U		0.0585	0.152	10.88	09/24/2019 11:14	WG1350962
1,1,1-Trichloroethane	U		0.00334	0.0304	10.88	09/24/2019 11:14	WG1350962
1,1,2-Trichloroethane	U		0.0107	0.0304	10.88	09/24/2019 11:14	WG1350962
Trichloroethene	0.138		0.00486	0.0121	10.88	09/24/2019 11:14	WG1350962
Trichlorofluoromethane	U		0.00607	0.0304	10.88	09/24/2019 11:14	WG1350962
1,2,3-Trichloropropane	U		0.0620	0.152	10.88	09/24/2019 11:14	WG1350962
1,2,4-Trimethylbenzene	U		0.0141	0.0607	10.88	09/24/2019 11:14	WG1350962
1,2,3-Trimethylbenzene	U		0.0140	0.0607	10.88	09/24/2019 11:14	WG1350962
1,3,5-Trimethylbenzene	U		0.0132	0.0607	10.88	09/24/2019 11:14	WG1350962
Vinyl acetate	U		0.0428	0.152	10.88	09/24/2019 11:14	WG1350962
Vinyl chloride	U		0.00830	0.0304	10.88	09/24/2019 11:14	WG1350962
Xylenes, Total	U		0.0581	0.0790	10.88	09/24/2019 11:14	WG1350962
(S) Toluene-d8	*116*			*75.0-131*		*09/24/2019 11:14*	WG1350962
(S) 4-Bromofluorobenzene	*99.2*			*67.0-138*		*09/24/2019 11:14*	WG1350962
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*09/24/2019 11:14*	WG1350962

Sample Narrative:

L1139441-14 WG1350962: 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	87.6		1	09/19/2019 20:45	WG1349075

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0484	B J	0.0313	0.0571	2	09/24/2019 03:08	WG1350568
Acrylonitrile	U	J0	0.00434	0.0285	2	09/24/2019 03:08	WG1350568
Benzene	U		0.000913	0.00228	2	09/24/2019 03:08	WG1350568
Bromobenzene	U		0.00240	0.0285	2	09/24/2019 03:08	WG1350568
Bromodichloromethane	U		0.00180	0.00571	2	09/24/2019 03:08	WG1350568
Bromochloromethane	U		0.00258	0.0114	2	09/24/2019 03:08	WG1350568
Bromoform	U		0.0137	0.0571	2	09/24/2019 03:08	WG1350568
Bromomethane	U		0.00845	0.0285	2	09/24/2019 03:08	WG1350568
n-Butylbenzene	U		0.00877	0.0285	2	09/24/2019 03:08	WG1350568
sec-Butylbenzene	U		0.00578	0.0285	2	09/24/2019 03:08	WG1350568
tert-Butylbenzene	U		0.00354	0.0114	2	09/24/2019 03:08	WG1350568
Carbon disulfide	U	J0	0.00927	0.0285	2	09/24/2019 03:08	WG1350568
Carbon tetrachloride	U		0.00247	0.0114	2	09/24/2019 03:08	WG1350568
Chlorobenzene	U		0.00131	0.00571	2	09/24/2019 03:08	WG1350568
Chlorodibromomethane	U		0.00103	0.00571	2	09/24/2019 03:08	WG1350568
Chloroethane	U		0.00247	0.0114	2	09/24/2019 03:08	WG1350568
Chloroform	U		0.000948	0.00571	2	09/24/2019 03:08	WG1350568
Chloromethane	U		0.00317	0.0285	2	09/24/2019 03:08	WG1350568
2-Chlorotoluene	U		0.00210	0.00571	2	09/24/2019 03:08	WG1350568
4-Chlorotoluene	U		0.00258	0.0114	2	09/24/2019 03:08	WG1350568
1,2-Dibromo-3-Chloropropane	U	J0	0.0116	0.0571	2	09/24/2019 03:08	WG1350568
1,2-Dibromoethane	U		0.00120	0.00571	2	09/24/2019 03:08	WG1350568
Dibromomethane	U		0.00228	0.0114	2	09/24/2019 03:08	WG1350568
1,2-Dichlorobenzene	U		0.00331	0.0114	2	09/24/2019 03:08	WG1350568
1,3-Dichlorobenzene	U		0.00388	0.0114	2	09/24/2019 03:08	WG1350568
1,4-Dichlorobenzene	U		0.00450	0.0114	2	09/24/2019 03:08	WG1350568
Dichlorodifluoromethane	U		0.00187	0.00571	2	09/24/2019 03:08	WG1350568
1,1-Dichloroethane	U		0.00131	0.00571	2	09/24/2019 03:08	WG1350568
1,2-Dichloroethane	U		0.00108	0.00571	2	09/24/2019 03:08	WG1350568
1,1-Dichloroethene	U		0.00114	0.00571	2	09/24/2019 03:08	WG1350568
cis-1,2-Dichloroethene	0.153		0.00158	0.00571	2	09/24/2019 03:08	WG1350568
trans-1,2-Dichloroethene	U		0.00327	0.0114	2	09/24/2019 03:08	WG1350568
1,2-Dichloropropane	U		0.00290	0.0114	2	09/24/2019 03:08	WG1350568
1,1-Dichloropropene	U		0.00160	0.00571	2	09/24/2019 03:08	WG1350568
1,3-Dichloropropane	U		0.00400	0.0114	2	09/24/2019 03:08	WG1350568
cis-1,3-Dichloropropene	U		0.00155	0.00571	2	09/24/2019 03:08	WG1350568
trans-1,3-Dichloropropene	U		0.00349	0.0114	2	09/24/2019 03:08	WG1350568
trans-1,4-Dichloro-2-butene	U		0.00320	0.0114	2	09/24/2019 03:08	WG1350568
2,2-Dichloropropane	U		0.00182	0.00571	2	09/24/2019 03:08	WG1350568
Di-isopropyl ether	U		0.000799	0.00228	2	09/24/2019 03:08	WG1350568
Ethylbenzene	U		0.00121	0.00571	2	09/24/2019 03:08	WG1350568
Hexachloro-1,3-butadiene	U		0.0290	0.0571	2	09/24/2019 03:08	WG1350568
2-Hexanone	U		0.0228	0.0571	2	09/24/2019 03:08	WG1350568
n-Hexane	U	J0	0.00242	0.0114	2	09/24/2019 03:08	WG1350568
Iodomethane	U		0.0138	0.0285	2	09/24/2019 03:08	WG1350568
Isopropylbenzene	U		0.00198	0.00571	2	09/24/2019 03:08	WG1350568
p-Isopropyltoluene	U		0.00532	0.0114	2	09/24/2019 03:08	WG1350568
2-Butanone (MEK)	U	J0	0.0285	0.0571	2	09/24/2019 03:08	WG1350568
Methylene Chloride	0.0169	J	0.0152	0.0571	2	09/24/2019 03:08	WG1350568
4-Methyl-2-pentanone (MIBK)	U		0.0228	0.0571	2	09/24/2019 03:08	WG1350568

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000674	0.00228	2	09/24/2019 03:08	WG1350568
Naphthalene	U		0.00712	0.0285	2	09/24/2019 03:08	WG1350568
n-Propylbenzene	U		0.00269	0.0114	2	09/24/2019 03:08	WG1350568
Styrene	U		0.00623	0.0285	2	09/24/2019 03:08	WG1350568
1,1,1,2-Tetrachloroethane	U		0.00114	0.00571	2	09/24/2019 03:08	WG1350568
1,1,2,2-Tetrachloroethane	U	J0	0.000890	0.00571	2	09/24/2019 03:08	WG1350568
1,1,2-Trichlorotrifluoroethane	U		0.00154	0.00571	2	09/24/2019 03:08	WG1350568
Tetrachloroethene	0.0441		0.00160	0.00571	2	09/24/2019 03:08	WG1350568
Toluene	0.00677	J	0.00285	0.0114	2	09/24/2019 03:08	WG1350568
1,2,3-Trichlorobenzene	U		0.00143	0.00571	2	09/24/2019 03:08	WG1350568
1,2,4-Trichlorobenzene	U		0.0110	0.0285	2	09/24/2019 03:08	WG1350568
1,1,1-Trichloroethane	U		0.000628	0.00571	2	09/24/2019 03:08	WG1350568
1,1,2-Trichloroethane	U		0.00202	0.00571	2	09/24/2019 03:08	WG1350568
Trichloroethene	0.124		0.000913	0.00228	2	09/24/2019 03:08	WG1350568
Trichlorofluoromethane	U		0.00114	0.00571	2	09/24/2019 03:08	WG1350568
1,2,3-Trichloropropane	U		0.0116	0.0285	2	09/24/2019 03:08	WG1350568
1,2,4-Trimethylbenzene	U		0.00265	0.0114	2	09/24/2019 03:08	WG1350568
1,2,3-Trimethylbenzene	U		0.00263	0.0114	2	09/24/2019 03:08	WG1350568
1,3,5-Trimethylbenzene	U		0.00247	0.0114	2	09/24/2019 03:08	WG1350568
Vinyl acetate	U	J0	0.00804	0.0285	2	09/24/2019 03:08	WG1350568
Vinyl chloride	U		0.00156	0.00571	2	09/24/2019 03:08	WG1350568
Xylenes, Total	U		0.0109	0.0148	2	09/24/2019 03:08	WG1350568
(S) Toluene-d8	*111*			*75.0-131*		*09/24/2019 03:08*	WG1350568
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/24/2019 03:08*	WG1350568
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*09/24/2019 03:08*	WG1350568

Sample Narrative:

L1139441-15 WG1350568: 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	75.0		1	09/19/2019 20:45	WG1349075

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0667	B	0.0204	0.0373	1.12	09/24/2019 03:29	WG1350568
Acrylonitrile	U	J0	0.00284	0.0187	1.12	09/24/2019 03:29	WG1350568
Benzene	U		0.000597	0.00149	1.12	09/24/2019 03:29	WG1350568
Bromobenzene	U		0.00157	0.0187	1.12	09/24/2019 03:29	WG1350568
Bromodichloromethane	U		0.00118	0.00373	1.12	09/24/2019 03:29	WG1350568
Bromochloromethane	U		0.00168	0.00747	1.12	09/24/2019 03:29	WG1350568
Bromoform	U		0.00893	0.0373	1.12	09/24/2019 03:29	WG1350568
Bromomethane	U		0.00552	0.0187	1.12	09/24/2019 03:29	WG1350568
n-Butylbenzene	U		0.00573	0.0187	1.12	09/24/2019 03:29	WG1350568
sec-Butylbenzene	U		0.00377	0.0187	1.12	09/24/2019 03:29	WG1350568
tert-Butylbenzene	U		0.00232	0.00747	1.12	09/24/2019 03:29	WG1350568
Carbon disulfide	U	J0	0.00607	0.0187	1.12	09/24/2019 03:29	WG1350568
Carbon tetrachloride	U		0.00161	0.00747	1.12	09/24/2019 03:29	WG1350568
Chlorobenzene	U		0.000856	0.00373	1.12	09/24/2019 03:29	WG1350568
Chlorodibromomethane	U		0.000672	0.00373	1.12	09/24/2019 03:29	WG1350568
Chloroethane	U		0.00161	0.00747	1.12	09/24/2019 03:29	WG1350568
Chloroform	U		0.000620	0.00373	1.12	09/24/2019 03:29	WG1350568
Chloromethane	U		0.00208	0.0187	1.12	09/24/2019 03:29	WG1350568
2-Chlorotoluene	U		0.00137	0.00373	1.12	09/24/2019 03:29	WG1350568
4-Chlorotoluene	U		0.00168	0.00747	1.12	09/24/2019 03:29	WG1350568
1,2-Dibromo-3-Chloropropane	U	J0	0.00761	0.0373	1.12	09/24/2019 03:29	WG1350568
1,2-Dibromoethane	U		0.000784	0.00373	1.12	09/24/2019 03:29	WG1350568
Dibromomethane	U		0.00149	0.00747	1.12	09/24/2019 03:29	WG1350568
1,2-Dichlorobenzene	U		0.00216	0.00747	1.12	09/24/2019 03:29	WG1350568
1,3-Dichlorobenzene	U		0.00253	0.00747	1.12	09/24/2019 03:29	WG1350568
1,4-Dichlorobenzene	U		0.00295	0.00747	1.12	09/24/2019 03:29	WG1350568
Dichlorodifluoromethane	U		0.00122	0.00373	1.12	09/24/2019 03:29	WG1350568
1,1-Dichloroethane	U		0.000859	0.00373	1.12	09/24/2019 03:29	WG1350568
1,2-Dichloroethane	U		0.000709	0.00373	1.12	09/24/2019 03:29	WG1350568
1,1-Dichloroethene	U		0.000747	0.00373	1.12	09/24/2019 03:29	WG1350568
cis-1,2-Dichloroethene	0.139		0.00103	0.00373	1.12	09/24/2019 03:29	WG1350568
trans-1,2-Dichloroethene	U		0.00213	0.00747	1.12	09/24/2019 03:29	WG1350568
1,2-Dichloropropane	U		0.00189	0.00747	1.12	09/24/2019 03:29	WG1350568
1,1-Dichloropropene	U		0.00105	0.00373	1.12	09/24/2019 03:29	WG1350568
1,3-Dichloropropane	U		0.00261	0.00747	1.12	09/24/2019 03:29	WG1350568
cis-1,3-Dichloropropene	U		0.00101	0.00373	1.12	09/24/2019 03:29	WG1350568
trans-1,3-Dichloropropene	U		0.00228	0.00747	1.12	09/24/2019 03:29	WG1350568
trans-1,4-Dichloro-2-butene	U		0.00209	0.00747	1.12	09/24/2019 03:29	WG1350568
2,2-Dichloropropane	U		0.00118	0.00373	1.12	09/24/2019 03:29	WG1350568
Di-isopropyl ether	U		0.000523	0.00149	1.12	09/24/2019 03:29	WG1350568
Ethylbenzene	U		0.000792	0.00373	1.12	09/24/2019 03:29	WG1350568
Hexachloro-1,3-butadiene	U		0.0189	0.0373	1.12	09/24/2019 03:29	WG1350568
2-Hexanone	U		0.0149	0.0373	1.12	09/24/2019 03:29	WG1350568
n-Hexane	U	J0	0.00159	0.00747	1.12	09/24/2019 03:29	WG1350568
Iodomethane	U		0.00904	0.0187	1.12	09/24/2019 03:29	WG1350568
Isopropylbenzene	U		0.00129	0.00373	1.12	09/24/2019 03:29	WG1350568
p-Isopropyltoluene	U		0.00348	0.00747	1.12	09/24/2019 03:29	WG1350568
2-Butanone (MEK)	U	J0	0.0187	0.0373	1.12	09/24/2019 03:29	WG1350568
Methylene Chloride	0.0169	J	0.00992	0.0373	1.12	09/24/2019 03:29	WG1350568
4-Methyl-2-pentanone (MIBK)	U		0.0149	0.0373	1.12	09/24/2019 03:29	WG1350568

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000440	0.00149	1.12	09/24/2019 03:29	WG1350568
Naphthalene	U		0.00465	0.0187	1.12	09/24/2019 03:29	WG1350568
n-Propylbenzene	U		0.00176	0.00747	1.12	09/24/2019 03:29	WG1350568
Styrene	U		0.00408	0.0187	1.12	09/24/2019 03:29	WG1350568
1,1,1,2-Tetrachloroethane	U		0.000747	0.00373	1.12	09/24/2019 03:29	WG1350568
1,1,2,2-Tetrachloroethane	U	J0	0.000583	0.00373	1.12	09/24/2019 03:29	WG1350568
1,1,2-Trichlorotrifluoroethane	U		0.00101	0.00373	1.12	09/24/2019 03:29	WG1350568
Tetrachloroethene	0.0160		0.00105	0.00373	1.12	09/24/2019 03:29	WG1350568
Toluene	0.00446	J	0.00187	0.00747	1.12	09/24/2019 03:29	WG1350568
1,2,3-Trichlorobenzene	U		0.000933	0.00373	1.12	09/24/2019 03:29	WG1350568
1,2,4-Trichlorobenzene	U		0.00720	0.0187	1.12	09/24/2019 03:29	WG1350568
1,1,1-Trichloroethane	U		0.000411	0.00373	1.12	09/24/2019 03:29	WG1350568
1,1,2-Trichloroethane	U		0.00132	0.00373	1.12	09/24/2019 03:29	WG1350568
Trichloroethene	0.100		0.000597	0.00149	1.12	09/24/2019 03:29	WG1350568
Trichlorofluoromethane	U		0.000747	0.00373	1.12	09/24/2019 03:29	WG1350568
1,2,3-Trichloropropane	U		0.00761	0.0187	1.12	09/24/2019 03:29	WG1350568
1,2,4-Trimethylbenzene	U		0.00173	0.00747	1.12	09/24/2019 03:29	WG1350568
1,2,3-Trimethylbenzene	U		0.00172	0.00747	1.12	09/24/2019 03:29	WG1350568
1,3,5-Trimethylbenzene	U		0.00161	0.00747	1.12	09/24/2019 03:29	WG1350568
Vinyl acetate	U	J0	0.00525	0.0187	1.12	09/24/2019 03:29	WG1350568
Vinyl chloride	U		0.00102	0.00373	1.12	09/24/2019 03:29	WG1350568
Xylenes, Total	U		0.00713	0.00970	1.12	09/24/2019 03:29	WG1350568
(S) Toluene-d8	*111*			*75.0-131*		*09/24/2019 03:29*	WG1350568
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/24/2019 03:29*	WG1350568
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/24/2019 03:29*	WG1350568

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.2		1	09/19/2019 20:45	WG1349075

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0406	B	0.0173	0.0316	1	09/24/2019 02:07	WG1350568
Acrylonitrile	U	J0	0.00240	0.0158	1	09/24/2019 02:07	WG1350568
Benzene	U		0.000505	0.00126	1	09/24/2019 02:07	WG1350568
Bromobenzene	U		0.00133	0.0158	1	09/24/2019 02:07	WG1350568
Bromodichloromethane	U		0.000995	0.00316	1	09/24/2019 02:07	WG1350568
Bromochloromethane	U		0.00143	0.00631	1	09/24/2019 02:07	WG1350568
Bromoform	U		0.00755	0.0316	1	09/24/2019 02:07	WG1350568
Bromomethane	U		0.00467	0.0158	1	09/24/2019 02:07	WG1350568
n-Butylbenzene	U		0.00485	0.0158	1	09/24/2019 02:07	WG1350568
sec-Butylbenzene	U		0.00319	0.0158	1	09/24/2019 02:07	WG1350568
tert-Butylbenzene	U		0.00196	0.00631	1	09/24/2019 02:07	WG1350568
Carbon disulfide	U	J0	0.00513	0.0158	1	09/24/2019 02:07	WG1350568
Carbon tetrachloride	U		0.00136	0.00631	1	09/24/2019 02:07	WG1350568
Chlorobenzene	U		0.000723	0.00316	1	09/24/2019 02:07	WG1350568
Chlorodibromomethane	U		0.000568	0.00316	1	09/24/2019 02:07	WG1350568
Chloroethane	U		0.00136	0.00631	1	09/24/2019 02:07	WG1350568
Chloroform	U		0.000524	0.00316	1	09/24/2019 02:07	WG1350568
Chloromethane	U		0.00175	0.0158	1	09/24/2019 02:07	WG1350568
2-Chlorotoluene	U		0.00116	0.00316	1	09/24/2019 02:07	WG1350568
4-Chlorotoluene	U		0.00143	0.00631	1	09/24/2019 02:07	WG1350568
1,2-Dibromo-3-Chloropropane	U	J0	0.00644	0.0316	1	09/24/2019 02:07	WG1350568
1,2-Dibromoethane	U		0.000663	0.00316	1	09/24/2019 02:07	WG1350568
Dibromomethane	U		0.00126	0.00631	1	09/24/2019 02:07	WG1350568
1,2-Dichlorobenzene	U		0.00183	0.00631	1	09/24/2019 02:07	WG1350568
1,3-Dichlorobenzene	U		0.00215	0.00631	1	09/24/2019 02:07	WG1350568
1,4-Dichlorobenzene	U		0.00249	0.00631	1	09/24/2019 02:07	WG1350568
Dichlorodifluoromethane	U		0.00103	0.00316	1	09/24/2019 02:07	WG1350568
1,1-Dichloroethane	U		0.000726	0.00316	1	09/24/2019 02:07	WG1350568
1,2-Dichloroethane	U		0.000600	0.00316	1	09/24/2019 02:07	WG1350568
1,1-Dichloroethene	U		0.000631	0.00316	1	09/24/2019 02:07	WG1350568
cis-1,2-Dichloroethene	0.00211	J	0.000871	0.00316	1	09/24/2019 02:07	WG1350568
trans-1,2-Dichloroethene	U		0.00181	0.00631	1	09/24/2019 02:07	WG1350568
1,2-Dichloropropane	U		0.00160	0.00631	1	09/24/2019 02:07	WG1350568
1,1-Dichloropropene	U		0.000884	0.00316	1	09/24/2019 02:07	WG1350568
1,3-Dichloropropane	U		0.00221	0.00631	1	09/24/2019 02:07	WG1350568
cis-1,3-Dichloropropene	U		0.000856	0.00316	1	09/24/2019 02:07	WG1350568
trans-1,3-Dichloropropene	U		0.00193	0.00631	1	09/24/2019 02:07	WG1350568
trans-1,4-Dichloro-2-butene	U		0.00177	0.00631	1	09/24/2019 02:07	WG1350568
2,2-Dichloropropane	U		0.00100	0.00316	1	09/24/2019 02:07	WG1350568
Di-isopropyl ether	U		0.000442	0.00126	1	09/24/2019 02:07	WG1350568
Ethylbenzene	U		0.000669	0.00316	1	09/24/2019 02:07	WG1350568
Hexachloro-1,3-butadiene	U		0.0160	0.0316	1	09/24/2019 02:07	WG1350568
2-Hexanone	U		0.0126	0.0316	1	09/24/2019 02:07	WG1350568
n-Hexane	U	J0	0.00134	0.00631	1	09/24/2019 02:07	WG1350568
Iodomethane	U		0.00764	0.0158	1	09/24/2019 02:07	WG1350568
Isopropylbenzene	U		0.00109	0.00316	1	09/24/2019 02:07	WG1350568
p-Isopropyltoluene	U		0.00294	0.00631	1	09/24/2019 02:07	WG1350568
2-Butanone (MEK)	U	J0	0.0158	0.0316	1	09/24/2019 02:07	WG1350568
Methylene Chloride	0.00999	J	0.00838	0.0316	1	09/24/2019 02:07	WG1350568
4-Methyl-2-pentanone (MIBK)	U		0.0126	0.0316	1	09/24/2019 02:07	WG1350568

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000372	0.00126	1	09/24/2019 02:07	WG1350568
Naphthalene	U		0.00394	0.0158	1	09/24/2019 02:07	WG1350568
n-Propylbenzene	U		0.00149	0.00631	1	09/24/2019 02:07	WG1350568
Styrene	U		0.00345	0.0158	1	09/24/2019 02:07	WG1350568
1,1,1,2-Tetrachloroethane	U		0.000631	0.00316	1	09/24/2019 02:07	WG1350568
1,1,2,2-Tetrachloroethane	U	J0	0.000492	0.00316	1	09/24/2019 02:07	WG1350568
1,1,2-Trichlorotrifluoroethane	U		0.000852	0.00316	1	09/24/2019 02:07	WG1350568
Tetrachloroethene	U		0.000884	0.00316	1	09/24/2019 02:07	WG1350568
Toluene	0.00170	J	0.00158	0.00631	1	09/24/2019 02:07	WG1350568
1,2,3-Trichlorobenzene	U		0.000789	0.00316	1	09/24/2019 02:07	WG1350568
1,2,4-Trichlorobenzene	U		0.00609	0.0158	1	09/24/2019 02:07	WG1350568
1,1,1-Trichloroethane	U		0.000347	0.00316	1	09/24/2019 02:07	WG1350568
1,1,2-Trichloroethane	U		0.00111	0.00316	1	09/24/2019 02:07	WG1350568
Trichloroethene	U		0.000505	0.00126	1	09/24/2019 02:07	WG1350568
Trichlorofluoromethane	U		0.000631	0.00316	1	09/24/2019 02:07	WG1350568
1,2,3-Trichloropropane	U		0.00644	0.0158	1	09/24/2019 02:07	WG1350568
1,2,4-Trimethylbenzene	U		0.00146	0.00631	1	09/24/2019 02:07	WG1350568
1,2,3-Trimethylbenzene	U		0.00145	0.00631	1	09/24/2019 02:07	WG1350568
1,3,5-Trimethylbenzene	U		0.00136	0.00631	1	09/24/2019 02:07	WG1350568
Vinyl acetate	U	J0	0.00444	0.0158	1	09/24/2019 02:07	WG1350568
Vinyl chloride	U		0.000862	0.00316	1	09/24/2019 02:07	WG1350568
Xylenes, Total	U		0.00603	0.00821	1	09/24/2019 02:07	WG1350568
(S) Toluene-d8	*110*			*75.0-131*		*09/24/2019 02:07*	WG1350568
(S) 4-Bromofluorobenzene	*98.7*			*67.0-138*		*09/24/2019 02:07*	WG1350568
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*09/24/2019 02:07*	WG1350568

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.9		1	09/19/2019 20:45	WG1349075

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0221	J	0.0154	0.0281	1	09/20/2019 05:52	WG1349125
Acrylonitrile	U		0.00214	0.0141	1	09/20/2019 05:52	WG1349125
Benzene	U		0.000450	0.00112	1	09/20/2019 05:52	WG1349125
Bromobenzene	U		0.00118	0.0141	1	09/20/2019 05:52	WG1349125
Bromodichloromethane	U		0.000886	0.00281	1	09/20/2019 05:52	WG1349125
Bromochloromethane	U		0.00127	0.00562	1	09/20/2019 05:52	WG1349125
Bromoform	U		0.00673	0.0281	1	09/20/2019 05:52	WG1349125
Bromomethane	U		0.00416	0.0141	1	09/20/2019 05:52	WG1349125
n-Butylbenzene	U		0.00432	0.0141	1	09/20/2019 05:52	WG1349125
sec-Butylbenzene	U		0.00285	0.0141	1	09/20/2019 05:52	WG1349125
tert-Butylbenzene	U		0.00174	0.00562	1	09/20/2019 05:52	WG1349125
Carbon disulfide	U		0.00457	0.0141	1	09/20/2019 05:52	WG1349125
Carbon tetrachloride	U		0.00121	0.00562	1	09/20/2019 05:52	WG1349125
Chlorobenzene	U		0.000644	0.00281	1	09/20/2019 05:52	WG1349125
Chlorodibromomethane	U		0.000506	0.00281	1	09/20/2019 05:52	WG1349125
Chloroethane	U		0.00121	0.00562	1	09/20/2019 05:52	WG1349125
Chloroform	U		0.000467	0.00281	1	09/20/2019 05:52	WG1349125
Chloromethane	U		0.00156	0.0141	1	09/20/2019 05:52	WG1349125
2-Chlorotoluene	U		0.00103	0.00281	1	09/20/2019 05:52	WG1349125
4-Chlorotoluene	U		0.00127	0.00562	1	09/20/2019 05:52	WG1349125
1,2-Dibromo-3-Chloropropane	U	J0	0.00574	0.0281	1	09/20/2019 05:52	WG1349125
1,2-Dibromoethane	U		0.000590	0.00281	1	09/20/2019 05:52	WG1349125
Dibromomethane	U		0.00112	0.00562	1	09/20/2019 05:52	WG1349125
1,2-Dichlorobenzene	U		0.00163	0.00562	1	09/20/2019 05:52	WG1349125
1,3-Dichlorobenzene	U		0.00191	0.00562	1	09/20/2019 05:52	WG1349125
1,4-Dichlorobenzene	U		0.00222	0.00562	1	09/20/2019 05:52	WG1349125
Dichlorodifluoromethane	U		0.000920	0.00281	1	09/20/2019 05:52	WG1349125
1,1-Dichloroethane	U		0.000647	0.00281	1	09/20/2019 05:52	WG1349125
1,2-Dichloroethane	U		0.000534	0.00281	1	09/20/2019 05:52	WG1349125
1,1-Dichloroethene	U		0.000562	0.00281	1	09/20/2019 05:52	WG1349125
cis-1,2-Dichloroethene	U		0.000776	0.00281	1	09/20/2019 05:52	WG1349125
trans-1,2-Dichloroethene	U		0.00161	0.00562	1	09/20/2019 05:52	WG1349125
1,2-Dichloropropane	U		0.00143	0.00562	1	09/20/2019 05:52	WG1349125
1,1-Dichloropropene	U		0.000787	0.00281	1	09/20/2019 05:52	WG1349125
1,3-Dichloropropane	U		0.00197	0.00562	1	09/20/2019 05:52	WG1349125
cis-1,3-Dichloropropene	U		0.000763	0.00281	1	09/20/2019 05:52	WG1349125
trans-1,3-Dichloropropene	U		0.00172	0.00562	1	09/20/2019 05:52	WG1349125
trans-1,4-Dichloro-2-butene	U		0.00157	0.00562	1	09/20/2019 05:52	WG1349125
2,2-Dichloropropane	U		0.000892	0.00281	1	09/20/2019 05:52	WG1349125
Di-isopropyl ether	U		0.000394	0.00112	1	09/20/2019 05:52	WG1349125
Ethylbenzene	U		0.000596	0.00281	1	09/20/2019 05:52	WG1349125
Hexachloro-1,3-butadiene	U		0.0143	0.0281	1	09/20/2019 05:52	WG1349125
2-Hexanone	U		0.0112	0.0281	1	09/20/2019 05:52	WG1349125
n-Hexane	U		0.00119	0.00562	1	09/20/2019 05:52	WG1349125
Iodomethane	U		0.00680	0.0141	1	09/20/2019 05:52	WG1349125
Isopropylbenzene	U		0.000971	0.00281	1	09/20/2019 05:52	WG1349125
p-Isopropyltoluene	U		0.00262	0.00562	1	09/20/2019 05:52	WG1349125
2-Butanone (MEK)	0.0182	B J	0.0141	0.0281	1	09/20/2019 05:52	WG1349125
Methylene Chloride	U		0.00747	0.0281	1	09/20/2019 05:52	WG1349125
4-Methyl-2-pentanone (MIBK)	U		0.0112	0.0281	1	09/20/2019 05:52	WG1349125

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000332	0.00112	1	09/20/2019 05:52	WG1349125
Naphthalene	U		0.00351	0.0141	1	09/20/2019 05:52	WG1349125
n-Propylbenzene	U		0.00133	0.00562	1	09/20/2019 05:52	WG1349125
Styrene	U		0.00307	0.0141	1	09/20/2019 05:52	WG1349125
1,1,1,2-Tetrachloroethane	U		0.000562	0.00281	1	09/20/2019 05:52	WG1349125
1,1,2,2-Tetrachloroethane	U		0.000439	0.00281	1	09/20/2019 05:52	WG1349125
1,1,2-Trichlorotrifluoroethane	U		0.000759	0.00281	1	09/20/2019 05:52	WG1349125
Tetrachloroethene	U		0.000787	0.00281	1	09/20/2019 05:52	WG1349125
Toluene	0.00454	J	0.00141	0.00562	1	09/20/2019 05:52	WG1349125
1,2,3-Trichlorobenzene	U		0.000703	0.00281	1	09/20/2019 05:52	WG1349125
1,2,4-Trichlorobenzene	U		0.00542	0.0141	1	09/20/2019 05:52	WG1349125
1,1,1-Trichloroethane	U		0.000309	0.00281	1	09/20/2019 05:52	WG1349125
1,1,2-Trichloroethane	U		0.000993	0.00281	1	09/20/2019 05:52	WG1349125
Trichloroethene	U		0.000450	0.00112	1	09/20/2019 05:52	WG1349125
Trichlorofluoromethane	U		0.000562	0.00281	1	09/20/2019 05:52	WG1349125
1,2,3-Trichloropropane	U		0.00574	0.0141	1	09/20/2019 05:52	WG1349125
1,2,4-Trimethylbenzene	U		0.00130	0.00562	1	09/20/2019 05:52	WG1349125
1,2,3-Trimethylbenzene	U		0.00129	0.00562	1	09/20/2019 05:52	WG1349125
1,3,5-Trimethylbenzene	U		0.00121	0.00562	1	09/20/2019 05:52	WG1349125
Vinyl acetate	U		0.00396	0.0141	1	09/20/2019 05:52	WG1349125
Vinyl chloride	U		0.000768	0.00281	1	09/20/2019 05:52	WG1349125
Xylenes, Total	U		0.00538	0.00731	1	09/20/2019 05:52	WG1349125
(S) Toluene-d8	*107*			*75.0-131*		*09/20/2019 05:52*	WG1349125
(S) 4-Bromofluorobenzene	*96.6*			*67.0-138*		*09/20/2019 05:52*	WG1349125
(S) 1,2-Dichloroethane-d4	*94.4*			*70.0-130*		*09/20/2019 05:52*	WG1349125

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.4		1	09/19/2019 20:45	WG1349075

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0322		0.0159	0.0289	1	09/20/2019 06:14	WG1349125
Acrylonitrile	U		0.00220	0.0145	1	09/20/2019 06:14	WG1349125
Benzene	U		0.000463	0.00116	1	09/20/2019 06:14	WG1349125
Bromobenzene	U		0.00122	0.0145	1	09/20/2019 06:14	WG1349125
Bromodichloromethane	U		0.000912	0.00289	1	09/20/2019 06:14	WG1349125
Bromochloromethane	U		0.00131	0.00579	1	09/20/2019 06:14	WG1349125
Bromoform	U		0.00692	0.0289	1	09/20/2019 06:14	WG1349125
Bromomethane	U		0.00428	0.0145	1	09/20/2019 06:14	WG1349125
n-Butylbenzene	U		0.00445	0.0145	1	09/20/2019 06:14	WG1349125
sec-Butylbenzene	U		0.00293	0.0145	1	09/20/2019 06:14	WG1349125
tert-Butylbenzene	U		0.00179	0.00579	1	09/20/2019 06:14	WG1349125
Carbon disulfide	U		0.00470	0.0145	1	09/20/2019 06:14	WG1349125
Carbon tetrachloride	U		0.00125	0.00579	1	09/20/2019 06:14	WG1349125
Chlorobenzene	U		0.000663	0.00289	1	09/20/2019 06:14	WG1349125
Chlorodibromomethane	U		0.000521	0.00289	1	09/20/2019 06:14	WG1349125
Chloroethane	U		0.00125	0.00579	1	09/20/2019 06:14	WG1349125
Chloroform	0.000661	J	0.000481	0.00289	1	09/20/2019 06:14	WG1349125
Chloromethane	U		0.00161	0.0145	1	09/20/2019 06:14	WG1349125
2-Chlorotoluene	U		0.00107	0.00289	1	09/20/2019 06:14	WG1349125
4-Chlorotoluene	U		0.00131	0.00579	1	09/20/2019 06:14	WG1349125
1,2-Dibromo-3-Chloropropane	U	J0	0.00591	0.0289	1	09/20/2019 06:14	WG1349125
1,2-Dibromoethane	U		0.000608	0.00289	1	09/20/2019 06:14	WG1349125
Dibromomethane	U		0.00116	0.00579	1	09/20/2019 06:14	WG1349125
1,2-Dichlorobenzene	U		0.00168	0.00579	1	09/20/2019 06:14	WG1349125
1,3-Dichlorobenzene	U		0.00197	0.00579	1	09/20/2019 06:14	WG1349125
1,4-Dichlorobenzene	U		0.00228	0.00579	1	09/20/2019 06:14	WG1349125
Dichlorodifluoromethane	U		0.000947	0.00289	1	09/20/2019 06:14	WG1349125
1,1-Dichloroethane	U		0.000666	0.00289	1	09/20/2019 06:14	WG1349125
1,2-Dichloroethane	U		0.000550	0.00289	1	09/20/2019 06:14	WG1349125
1,1-Dichloroethene	U		0.000579	0.00289	1	09/20/2019 06:14	WG1349125
cis-1,2-Dichloroethene	0.00566		0.000799	0.00289	1	09/20/2019 06:14	WG1349125
trans-1,2-Dichloroethene	U		0.00166	0.00579	1	09/20/2019 06:14	WG1349125
1,2-Dichloropropane	U		0.00147	0.00579	1	09/20/2019 06:14	WG1349125
1,1-Dichloropropene	U		0.000811	0.00289	1	09/20/2019 06:14	WG1349125
1,3-Dichloropropane	U		0.00203	0.00579	1	09/20/2019 06:14	WG1349125
cis-1,3-Dichloropropene	U		0.000785	0.00289	1	09/20/2019 06:14	WG1349125
trans-1,3-Dichloropropene	U		0.00177	0.00579	1	09/20/2019 06:14	WG1349125
trans-1,4-Dichloro-2-butene	U		0.00162	0.00579	1	09/20/2019 06:14	WG1349125
2,2-Dichloropropane	U		0.000918	0.00289	1	09/20/2019 06:14	WG1349125
Di-isopropyl ether	U		0.000405	0.00116	1	09/20/2019 06:14	WG1349125
Ethylbenzene	U		0.000614	0.00289	1	09/20/2019 06:14	WG1349125
Hexachloro-1,3-butadiene	U		0.0147	0.0289	1	09/20/2019 06:14	WG1349125
2-Hexanone	U		0.0116	0.0289	1	09/20/2019 06:14	WG1349125
n-Hexane	U		0.00123	0.00579	1	09/20/2019 06:14	WG1349125
Iodomethane	U		0.00701	0.0145	1	09/20/2019 06:14	WG1349125
Isopropylbenzene	U		0.000999	0.00289	1	09/20/2019 06:14	WG1349125
p-Isopropyltoluene	U		0.00270	0.00579	1	09/20/2019 06:14	WG1349125
2-Butanone (MEK)	0.0242	B J	0.0145	0.0289	1	09/20/2019 06:14	WG1349125
Methylene Chloride	0.00841	J	0.00769	0.0289	1	09/20/2019 06:14	WG1349125
4-Methyl-2-pentanone (MIBK)	U		0.0116	0.0289	1	09/20/2019 06:14	WG1349125

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000342	0.00116	1	09/20/2019 06:14	WG1349125
Naphthalene	U		0.00361	0.0145	1	09/20/2019 06:14	WG1349125
n-Propylbenzene	U		0.00137	0.00579	1	09/20/2019 06:14	WG1349125
Styrene	U		0.00316	0.0145	1	09/20/2019 06:14	WG1349125
1,1,1,2-Tetrachloroethane	U		0.000579	0.00289	1	09/20/2019 06:14	WG1349125
1,1,2,2-Tetrachloroethane	U		0.000452	0.00289	1	09/20/2019 06:14	WG1349125
1,1,2-Trichlorotrifluoroethane	U		0.000782	0.00289	1	09/20/2019 06:14	WG1349125
Tetrachloroethene	0.00158	J	0.000811	0.00289	1	09/20/2019 06:14	WG1349125
Toluene	0.00790		0.00145	0.00579	1	09/20/2019 06:14	WG1349125
1,2,3-Trichlorobenzene	U		0.000724	0.00289	1	09/20/2019 06:14	WG1349125
1,2,4-Trichlorobenzene	U		0.00558	0.0145	1	09/20/2019 06:14	WG1349125
1,1,1-Trichloroethane	U		0.000318	0.00289	1	09/20/2019 06:14	WG1349125
1,1,2-Trichloroethane	U		0.00102	0.00289	1	09/20/2019 06:14	WG1349125
Trichloroethene	U		0.000463	0.00116	1	09/20/2019 06:14	WG1349125
Trichlorofluoromethane	U		0.000579	0.00289	1	09/20/2019 06:14	WG1349125
1,2,3-Trichloropropane	U		0.00591	0.0145	1	09/20/2019 06:14	WG1349125
1,2,4-Trimethylbenzene	U		0.00134	0.00579	1	09/20/2019 06:14	WG1349125
1,2,3-Trimethylbenzene	U		0.00133	0.00579	1	09/20/2019 06:14	WG1349125
1,3,5-Trimethylbenzene	U		0.00125	0.00579	1	09/20/2019 06:14	WG1349125
Vinyl acetate	U		0.00408	0.0145	1	09/20/2019 06:14	WG1349125
Vinyl chloride	U		0.000791	0.00289	1	09/20/2019 06:14	WG1349125
Xylenes, Total	U		0.00553	0.00753	1	09/20/2019 06:14	WG1349125
(S) Toluene-d8	*105*			*75.0-131*		*09/20/2019 06:14*	WG1349125
(S) 4-Bromofluorobenzene	*96.7*			*67.0-138*		*09/20/2019 06:14*	WG1349125
(S) 1,2-Dichloroethane-d4	*96.2*			*70.0-130*		*09/20/2019 06:14*	WG1349125

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.6		1	09/19/2019 20:32	WG1349076

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0335		0.0150	0.0273	1	09/20/2019 06:35	WG1349125
Acrylonitrile	U		0.00207	0.0137	1	09/20/2019 06:35	WG1349125
Benzene	U		0.000437	0.00109	1	09/20/2019 06:35	WG1349125
Bromobenzene	U		0.00115	0.0137	1	09/20/2019 06:35	WG1349125
Bromodichloromethane	U		0.000861	0.00273	1	09/20/2019 06:35	WG1349125
Bromochloromethane	U		0.00123	0.00546	1	09/20/2019 06:35	WG1349125
Bromoform	U		0.00653	0.0273	1	09/20/2019 06:35	WG1349125
Bromomethane	U		0.00404	0.0137	1	09/20/2019 06:35	WG1349125
n-Butylbenzene	U		0.00419	0.0137	1	09/20/2019 06:35	WG1349125
sec-Butylbenzene	U		0.00276	0.0137	1	09/20/2019 06:35	WG1349125
tert-Butylbenzene	U		0.00169	0.00546	1	09/20/2019 06:35	WG1349125
Carbon disulfide	U		0.00443	0.0137	1	09/20/2019 06:35	WG1349125
Carbon tetrachloride	U		0.00118	0.00546	1	09/20/2019 06:35	WG1349125
Chlorobenzene	U		0.000626	0.00273	1	09/20/2019 06:35	WG1349125
Chlorodibromomethane	U		0.000491	0.00273	1	09/20/2019 06:35	WG1349125
Chloroethane	U		0.00118	0.00546	1	09/20/2019 06:35	WG1349125
Chloroform	0.000567	J	0.000453	0.00273	1	09/20/2019 06:35	WG1349125
Chloromethane	U		0.00152	0.0137	1	09/20/2019 06:35	WG1349125
2-Chlorotoluene	U		0.00100	0.00273	1	09/20/2019 06:35	WG1349125
4-Chlorotoluene	U		0.00123	0.00546	1	09/20/2019 06:35	WG1349125
1,2-Dibromo-3-Chloropropane	U	J0	0.00557	0.0273	1	09/20/2019 06:35	WG1349125
1,2-Dibromoethane	U		0.000573	0.00273	1	09/20/2019 06:35	WG1349125
Dibromomethane	U		0.00109	0.00546	1	09/20/2019 06:35	WG1349125
1,2-Dichlorobenzene	U		0.00158	0.00546	1	09/20/2019 06:35	WG1349125
1,3-Dichlorobenzene	U		0.00186	0.00546	1	09/20/2019 06:35	WG1349125
1,4-Dichlorobenzene	U		0.00215	0.00546	1	09/20/2019 06:35	WG1349125
Dichlorodifluoromethane	U		0.000893	0.00273	1	09/20/2019 06:35	WG1349125
1,1-Dichloroethane	U		0.000628	0.00273	1	09/20/2019 06:35	WG1349125
1,2-Dichloroethane	U		0.000519	0.00273	1	09/20/2019 06:35	WG1349125
1,1-Dichloroethene	U		0.000546	0.00273	1	09/20/2019 06:35	WG1349125
cis-1,2-Dichloroethene	U		0.000754	0.00273	1	09/20/2019 06:35	WG1349125
trans-1,2-Dichloroethene	U		0.00156	0.00546	1	09/20/2019 06:35	WG1349125
1,2-Dichloropropane	U		0.00139	0.00546	1	09/20/2019 06:35	WG1349125
1,1-Dichloropropene	U		0.000764	0.00273	1	09/20/2019 06:35	WG1349125
1,3-Dichloropropane	U		0.00191	0.00546	1	09/20/2019 06:35	WG1349125
cis-1,3-Dichloropropene	U		0.000740	0.00273	1	09/20/2019 06:35	WG1349125
trans-1,3-Dichloropropene	U		0.00167	0.00546	1	09/20/2019 06:35	WG1349125
trans-1,4-Dichloro-2-butene	U		0.00153	0.00546	1	09/20/2019 06:35	WG1349125
2,2-Dichloropropane	U		0.000866	0.00273	1	09/20/2019 06:35	WG1349125
Di-isopropyl ether	U		0.000382	0.00109	1	09/20/2019 06:35	WG1349125
Ethylbenzene	U		0.000579	0.00273	1	09/20/2019 06:35	WG1349125
Hexachloro-1,3-butadiene	U		0.0139	0.0273	1	09/20/2019 06:35	WG1349125
2-Hexanone	U		0.0109	0.0273	1	09/20/2019 06:35	WG1349125
n-Hexane	U		0.00116	0.00546	1	09/20/2019 06:35	WG1349125
Iodomethane	U		0.00661	0.0137	1	09/20/2019 06:35	WG1349125
Isopropylbenzene	U		0.000942	0.00273	1	09/20/2019 06:35	WG1349125
p-Isopropyltoluene	U		0.00254	0.00546	1	09/20/2019 06:35	WG1349125
2-Butanone (MEK)	0.0240	B J	0.0137	0.0273	1	09/20/2019 06:35	WG1349125
Methylene Chloride	0.00819	J	0.00725	0.0273	1	09/20/2019 06:35	WG1349125
4-Methyl-2-pentanone (MIBK)	U		0.0109	0.0273	1	09/20/2019 06:35	WG1349125

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000322	0.00109	1	09/20/2019 06:35	WG1349125
Naphthalene	U		0.00341	0.0137	1	09/20/2019 06:35	WG1349125
n-Propylbenzene	U		0.00129	0.00546	1	09/20/2019 06:35	WG1349125
Styrene	U		0.00298	0.0137	1	09/20/2019 06:35	WG1349125
1,1,1,2-Tetrachloroethane	U		0.000546	0.00273	1	09/20/2019 06:35	WG1349125
1,1,2,2-Tetrachloroethane	U		0.000426	0.00273	1	09/20/2019 06:35	WG1349125
1,1,2-Trichlorotrifluoroethane	U		0.000737	0.00273	1	09/20/2019 06:35	WG1349125
Tetrachloroethene	U		0.000764	0.00273	1	09/20/2019 06:35	WG1349125
Toluene	0.00601		0.00137	0.00546	1	09/20/2019 06:35	WG1349125
1,2,3-Trichlorobenzene	U		0.000683	0.00273	1	09/20/2019 06:35	WG1349125
1,2,4-Trichlorobenzene	U		0.00526	0.0137	1	09/20/2019 06:35	WG1349125
1,1,1-Trichloroethane	U		0.000300	0.00273	1	09/20/2019 06:35	WG1349125
1,1,2-Trichloroethane	U		0.000964	0.00273	1	09/20/2019 06:35	WG1349125
Trichloroethene	U		0.000437	0.00109	1	09/20/2019 06:35	WG1349125
Trichlorofluoromethane	U		0.000546	0.00273	1	09/20/2019 06:35	WG1349125
1,2,3-Trichloropropane	U		0.00557	0.0137	1	09/20/2019 06:35	WG1349125
1,2,4-Trimethylbenzene	U		0.00127	0.00546	1	09/20/2019 06:35	WG1349125
1,2,3-Trimethylbenzene	U		0.00126	0.00546	1	09/20/2019 06:35	WG1349125
1,3,5-Trimethylbenzene	U		0.00118	0.00546	1	09/20/2019 06:35	WG1349125
Vinyl acetate	U		0.00384	0.0137	1	09/20/2019 06:35	WG1349125
Vinyl chloride	U		0.000746	0.00273	1	09/20/2019 06:35	WG1349125
Xylenes, Total	U		0.00522	0.00710	1	09/20/2019 06:35	WG1349125
(S) Toluene-d8	*107*			*75.0-131*		*09/20/2019 06:35*	WG1349125
(S) 4-Bromofluorobenzene	*95.4*			*67.0-138*		*09/20/2019 06:35*	WG1349125
(S) 1,2-Dichloroethane-d4	*96.7*			*70.0-130*		*09/20/2019 06:35*	WG1349125

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.7		1	09/19/2019 20:32	WG1349076

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0388		0.0160	0.0292	1	09/20/2019 06:55	WG1349125
Acrylonitrile	U		0.00222	0.0146	1	09/20/2019 06:55	WG1349125
Benzene	0.00362		0.000467	0.00117	1	09/20/2019 06:55	WG1349125
Bromobenzene	U		0.00123	0.0146	1	09/20/2019 06:55	WG1349125
Bromodichloromethane	U		0.000919	0.00292	1	09/20/2019 06:55	WG1349125
Bromochloromethane	U		0.00132	0.00583	1	09/20/2019 06:55	WG1349125
Bromoform	U		0.00698	0.0292	1	09/20/2019 06:55	WG1349125
Bromomethane	U		0.00432	0.0146	1	09/20/2019 06:55	WG1349125
n-Butylbenzene	U		0.00448	0.0146	1	09/20/2019 06:55	WG1349125
sec-Butylbenzene	U		0.00295	0.0146	1	09/20/2019 06:55	WG1349125
tert-Butylbenzene	U		0.00181	0.00583	1	09/20/2019 06:55	WG1349125
Carbon disulfide	0.0117	J	0.00474	0.0146	1	09/20/2019 06:55	WG1349125
Carbon tetrachloride	U		0.00126	0.00583	1	09/20/2019 06:55	WG1349125
Chlorobenzene	U		0.000669	0.00292	1	09/20/2019 06:55	WG1349125
Chlorodibromomethane	U		0.000525	0.00292	1	09/20/2019 06:55	WG1349125
Chloroethane	U		0.00126	0.00583	1	09/20/2019 06:55	WG1349125
Chloroform	U		0.000484	0.00292	1	09/20/2019 06:55	WG1349125
Chloromethane	U		0.00162	0.0146	1	09/20/2019 06:55	WG1349125
2-Chlorotoluene	U		0.00107	0.00292	1	09/20/2019 06:55	WG1349125
4-Chlorotoluene	U		0.00132	0.00583	1	09/20/2019 06:55	WG1349125
1,2-Dibromo-3-Chloropropane	U	J0	0.00595	0.0292	1	09/20/2019 06:55	WG1349125
1,2-Dibromoethane	U		0.000613	0.00292	1	09/20/2019 06:55	WG1349125
Dibromomethane	U		0.00117	0.00583	1	09/20/2019 06:55	WG1349125
1,2-Dichlorobenzene	U		0.00169	0.00583	1	09/20/2019 06:55	WG1349125
1,3-Dichlorobenzene	U		0.00198	0.00583	1	09/20/2019 06:55	WG1349125
1,4-Dichlorobenzene	U		0.00230	0.00583	1	09/20/2019 06:55	WG1349125
Dichlorodifluoromethane	U		0.000954	0.00292	1	09/20/2019 06:55	WG1349125
1,1-Dichloroethane	U		0.000671	0.00292	1	09/20/2019 06:55	WG1349125
1,2-Dichloroethane	U		0.000554	0.00292	1	09/20/2019 06:55	WG1349125
1,1-Dichloroethene	U		0.000583	0.00292	1	09/20/2019 06:55	WG1349125
cis-1,2-Dichloroethene	U		0.000805	0.00292	1	09/20/2019 06:55	WG1349125
trans-1,2-Dichloroethene	U		0.00167	0.00583	1	09/20/2019 06:55	WG1349125
1,2-Dichloropropane	U		0.00148	0.00583	1	09/20/2019 06:55	WG1349125
1,1-Dichloropropene	U		0.000817	0.00292	1	09/20/2019 06:55	WG1349125
1,3-Dichloropropane	U		0.00204	0.00583	1	09/20/2019 06:55	WG1349125
cis-1,3-Dichloropropene	U		0.000791	0.00292	1	09/20/2019 06:55	WG1349125
trans-1,3-Dichloropropene	U		0.00179	0.00583	1	09/20/2019 06:55	WG1349125
trans-1,4-Dichloro-2-butene	U		0.00163	0.00583	1	09/20/2019 06:55	WG1349125
2,2-Dichloropropane	U		0.000925	0.00292	1	09/20/2019 06:55	WG1349125
Di-isopropyl ether	U		0.000408	0.00117	1	09/20/2019 06:55	WG1349125
Ethylbenzene	U		0.000618	0.00292	1	09/20/2019 06:55	WG1349125
Hexachloro-1,3-butadiene	U		0.0148	0.0292	1	09/20/2019 06:55	WG1349125
2-Hexanone	U		0.0117	0.0292	1	09/20/2019 06:55	WG1349125
n-Hexane	U		0.00124	0.00583	1	09/20/2019 06:55	WG1349125
Iodomethane	U		0.00706	0.0146	1	09/20/2019 06:55	WG1349125
Isopropylbenzene	U		0.00101	0.00292	1	09/20/2019 06:55	WG1349125
p-Isopropyltoluene	U		0.00272	0.00583	1	09/20/2019 06:55	WG1349125
2-Butanone (MEK)	0.0229	B J	0.0146	0.0292	1	09/20/2019 06:55	WG1349125
Methylene Chloride	U		0.00775	0.0292	1	09/20/2019 06:55	WG1349125
4-Methyl-2-pentanone (MIBK)	U		0.0117	0.0292	1	09/20/2019 06:55	WG1349125

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

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000344	0.00117	1	09/20/2019 06:55	WG1349125
Naphthalene	U		0.00364	0.0146	1	09/20/2019 06:55	WG1349125
n-Propylbenzene	U		0.00138	0.00583	1	09/20/2019 06:55	WG1349125
Styrene	U		0.00319	0.0146	1	09/20/2019 06:55	WG1349125
1,1,1,2-Tetrachloroethane	U		0.000583	0.00292	1	09/20/2019 06:55	WG1349125
1,1,2,2-Tetrachloroethane	U		0.000455	0.00292	1	09/20/2019 06:55	WG1349125
1,1,2-Trichlorotrifluoroethane	U		0.000788	0.00292	1	09/20/2019 06:55	WG1349125
Tetrachloroethene	U		0.000817	0.00292	1	09/20/2019 06:55	WG1349125
Toluene	0.00659		0.00146	0.00583	1	09/20/2019 06:55	WG1349125
1,2,3-Trichlorobenzene	U		0.000729	0.00292	1	09/20/2019 06:55	WG1349125
1,2,4-Trichlorobenzene	U		0.00562	0.0146	1	09/20/2019 06:55	WG1349125
1,1,1-Trichloroethane	U		0.000321	0.00292	1	09/20/2019 06:55	WG1349125
1,1,2-Trichloroethane	U		0.00103	0.00292	1	09/20/2019 06:55	WG1349125
Trichloroethene	U		0.000467	0.00117	1	09/20/2019 06:55	WG1349125
Trichlorofluoromethane	U		0.000583	0.00292	1	09/20/2019 06:55	WG1349125
1,2,3-Trichloropropane	U		0.00595	0.0146	1	09/20/2019 06:55	WG1349125
1,2,4-Trimethylbenzene	U		0.00135	0.00583	1	09/20/2019 06:55	WG1349125
1,2,3-Trimethylbenzene	U		0.00134	0.00583	1	09/20/2019 06:55	WG1349125
1,3,5-Trimethylbenzene	U		0.00126	0.00583	1	09/20/2019 06:55	WG1349125
Vinyl acetate	U		0.00411	0.0146	1	09/20/2019 06:55	WG1349125
Vinyl chloride	U		0.000797	0.00292	1	09/20/2019 06:55	WG1349125
Xylenes, Total	U		0.00558	0.00758	1	09/20/2019 06:55	WG1349125
(S) Toluene-d8	*107*			*75.0-131*		*09/20/2019 06:55*	WG1349125
(S) 4-Bromofluorobenzene	*98.1*			*67.0-138*		*09/20/2019 06:55*	WG1349125
(S) 1,2-Dichloroethane-d4	*97.1*			*70.0-130*		*09/20/2019 06:55*	WG1349125

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.7		1	09/19/2019 20:32	WG1349076

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0328		0.0162	0.0295	1	09/20/2019 07:17	WG1349125
Acrylonitrile	U		0.00224	0.0148	1	09/20/2019 07:17	WG1349125
Benzene	0.00177		0.000472	0.00118	1	09/20/2019 07:17	WG1349125
Bromobenzene	U		0.00124	0.0148	1	09/20/2019 07:17	WG1349125
Bromodichloromethane	U		0.000930	0.00295	1	09/20/2019 07:17	WG1349125
Bromochloromethane	U		0.00133	0.00590	1	09/20/2019 07:17	WG1349125
Bromoform	U		0.00706	0.0295	1	09/20/2019 07:17	WG1349125
Bromomethane	U		0.00437	0.0148	1	09/20/2019 07:17	WG1349125
n-Butylbenzene	U		0.00453	0.0148	1	09/20/2019 07:17	WG1349125
sec-Butylbenzene	U		0.00299	0.0148	1	09/20/2019 07:17	WG1349125
tert-Butylbenzene	U		0.00183	0.00590	1	09/20/2019 07:17	WG1349125
Carbon disulfide	U		0.00479	0.0148	1	09/20/2019 07:17	WG1349125
Carbon tetrachloride	U		0.00128	0.00590	1	09/20/2019 07:17	WG1349125
Chlorobenzene	U		0.000676	0.00295	1	09/20/2019 07:17	WG1349125
Chlorodibromomethane	U		0.000531	0.00295	1	09/20/2019 07:17	WG1349125
Chloroethane	U		0.00128	0.00590	1	09/20/2019 07:17	WG1349125
Chloroform	U		0.000490	0.00295	1	09/20/2019 07:17	WG1349125
Chloromethane	U		0.00164	0.0148	1	09/20/2019 07:17	WG1349125
2-Chlorotoluene	U		0.00109	0.00295	1	09/20/2019 07:17	WG1349125
4-Chlorotoluene	U		0.00133	0.00590	1	09/20/2019 07:17	WG1349125
1,2-Dibromo-3-Chloropropane	U	J0	0.00602	0.0295	1	09/20/2019 07:17	WG1349125
1,2-Dibromoethane	U		0.000620	0.00295	1	09/20/2019 07:17	WG1349125
Dibromomethane	U		0.00118	0.00590	1	09/20/2019 07:17	WG1349125
1,2-Dichlorobenzene	U		0.00171	0.00590	1	09/20/2019 07:17	WG1349125
1,3-Dichlorobenzene	U		0.00201	0.00590	1	09/20/2019 07:17	WG1349125
1,4-Dichlorobenzene	U		0.00233	0.00590	1	09/20/2019 07:17	WG1349125
Dichlorodifluoromethane	U		0.000966	0.00295	1	09/20/2019 07:17	WG1349125
1,1-Dichloroethane	U		0.000679	0.00295	1	09/20/2019 07:17	WG1349125
1,2-Dichloroethane	U		0.000561	0.00295	1	09/20/2019 07:17	WG1349125
1,1-Dichloroethene	U		0.000590	0.00295	1	09/20/2019 07:17	WG1349125
cis-1,2-Dichloroethene	0.0120		0.000815	0.00295	1	09/20/2019 07:17	WG1349125
trans-1,2-Dichloroethene	U		0.00169	0.00590	1	09/20/2019 07:17	WG1349125
1,2-Dichloropropane	U		0.00150	0.00590	1	09/20/2019 07:17	WG1349125
1,1-Dichloropropene	U		0.000826	0.00295	1	09/20/2019 07:17	WG1349125
1,3-Dichloropropane	U		0.00207	0.00590	1	09/20/2019 07:17	WG1349125
cis-1,3-Dichloropropene	U		0.000800	0.00295	1	09/20/2019 07:17	WG1349125
trans-1,3-Dichloropropene	U		0.00181	0.00590	1	09/20/2019 07:17	WG1349125
trans-1,4-Dichloro-2-butene	U		0.00165	0.00590	1	09/20/2019 07:17	WG1349125
2,2-Dichloropropane	U		0.000936	0.00295	1	09/20/2019 07:17	WG1349125
Di-isopropyl ether	U		0.000413	0.00118	1	09/20/2019 07:17	WG1349125
Ethylbenzene	0.00114	J	0.000626	0.00295	1	09/20/2019 07:17	WG1349125
Hexachloro-1,3-butadiene	U		0.0150	0.0295	1	09/20/2019 07:17	WG1349125
2-Hexanone	U		0.0118	0.0295	1	09/20/2019 07:17	WG1349125
n-Hexane	U		0.00125	0.00590	1	09/20/2019 07:17	WG1349125
Iodomethane	U		0.00714	0.0148	1	09/20/2019 07:17	WG1349125
Isopropylbenzene	U		0.00102	0.00295	1	09/20/2019 07:17	WG1349125
p-Isopropyltoluene	U		0.00275	0.00590	1	09/20/2019 07:17	WG1349125
2-Butanone (MEK)	0.0198	B J	0.0148	0.0295	1	09/20/2019 07:17	WG1349125
Methylene Chloride	U		0.00784	0.0295	1	09/20/2019 07:17	WG1349125
4-Methyl-2-pentanone (MIBK)	U		0.0118	0.0295	1	09/20/2019 07:17	WG1349125

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000348	0.00118	1	09/20/2019 07:17	WG1349125
Naphthalene	0.0117	J	0.00368	0.0148	1	09/20/2019 07:17	WG1349125
n-Propylbenzene	U		0.00139	0.00590	1	09/20/2019 07:17	WG1349125
Styrene	U		0.00322	0.0148	1	09/20/2019 07:17	WG1349125
1,1,1,2-Tetrachloroethane	U		0.000590	0.00295	1	09/20/2019 07:17	WG1349125
1,1,2,2-Tetrachloroethane	U		0.000460	0.00295	1	09/20/2019 07:17	WG1349125
1,1,2-Trichlorotrifluoroethane	U		0.000797	0.00295	1	09/20/2019 07:17	WG1349125
Tetrachloroethene	U		0.000826	0.00295	1	09/20/2019 07:17	WG1349125
Toluene	0.0111		0.00148	0.00590	1	09/20/2019 07:17	WG1349125
1,2,3-Trichlorobenzene	U		0.000738	0.00295	1	09/20/2019 07:17	WG1349125
1,2,4-Trichlorobenzene	U		0.00569	0.0148	1	09/20/2019 07:17	WG1349125
1,1,1-Trichloroethane	U		0.000325	0.00295	1	09/20/2019 07:17	WG1349125
1,1,2-Trichloroethane	U		0.00104	0.00295	1	09/20/2019 07:17	WG1349125
Trichloroethene	U		0.000472	0.00118	1	09/20/2019 07:17	WG1349125
Trichlorofluoromethane	U		0.000590	0.00295	1	09/20/2019 07:17	WG1349125
1,2,3-Trichloropropane	U		0.00602	0.0148	1	09/20/2019 07:17	WG1349125
1,2,4-Trimethylbenzene	0.00208	J	0.00137	0.00590	1	09/20/2019 07:17	WG1349125
1,2,3-Trimethylbenzene	0.00136	J	0.00136	0.00590	1	09/20/2019 07:17	WG1349125
1,3,5-Trimethylbenzene	U		0.00128	0.00590	1	09/20/2019 07:17	WG1349125
Vinyl acetate	U		0.00416	0.0148	1	09/20/2019 07:17	WG1349125
Vinyl chloride	U		0.000806	0.00295	1	09/20/2019 07:17	WG1349125
Xylenes, Total	0.00688	J	0.00564	0.00767	1	09/20/2019 07:17	WG1349125
(S) Toluene-d8	*107*			*75.0-131*		*09/20/2019 07:17*	WG1349125
(S) 4-Bromofluorobenzene	*99.2*			*67.0-138*		*09/20/2019 07:17*	WG1349125
(S) 1,2-Dichloroethane-d4	*96.8*			*70.0-130*		*09/20/2019 07:17*	WG1349125

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.0		1	09/19/2019 20:32	WG1349076

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0418		0.0169	0.0307	1.02	09/20/2019 07:38	WG1349125
Acrylonitrile	U		0.00234	0.0154	1.02	09/20/2019 07:38	WG1349125
Benzene	U		0.000492	0.00123	1.02	09/20/2019 07:38	WG1349125
Bromobenzene	U		0.00129	0.0154	1.02	09/20/2019 07:38	WG1349125
Bromodichloromethane	U		0.000969	0.00307	1.02	09/20/2019 07:38	WG1349125
Bromochloromethane	U		0.00139	0.00615	1.02	09/20/2019 07:38	WG1349125
Bromoform	U		0.00735	0.0307	1.02	09/20/2019 07:38	WG1349125
Bromomethane	U		0.00454	0.0154	1.02	09/20/2019 07:38	WG1349125
n-Butylbenzene	U		0.00472	0.0154	1.02	09/20/2019 07:38	WG1349125
sec-Butylbenzene	U		0.00311	0.0154	1.02	09/20/2019 07:38	WG1349125
tert-Butylbenzene	U		0.00190	0.00615	1.02	09/20/2019 07:38	WG1349125
Carbon disulfide	U		0.00499	0.0154	1.02	09/20/2019 07:38	WG1349125
Carbon tetrachloride	U		0.00133	0.00615	1.02	09/20/2019 07:38	WG1349125
Chlorobenzene	U		0.000704	0.00307	1.02	09/20/2019 07:38	WG1349125
Chlorodibromomethane	U		0.000553	0.00307	1.02	09/20/2019 07:38	WG1349125
Chloroethane	U		0.00133	0.00615	1.02	09/20/2019 07:38	WG1349125
Chloroform	0.00112	J	0.000510	0.00307	1.02	09/20/2019 07:38	WG1349125
Chloromethane	U		0.00171	0.0154	1.02	09/20/2019 07:38	WG1349125
2-Chlorotoluene	U		0.00113	0.00307	1.02	09/20/2019 07:38	WG1349125
4-Chlorotoluene	U		0.00139	0.00615	1.02	09/20/2019 07:38	WG1349125
1,2-Dibromo-3-Chloropropane	U	J0	0.00627	0.0307	1.02	09/20/2019 07:38	WG1349125
1,2-Dibromoethane	U		0.000646	0.00307	1.02	09/20/2019 07:38	WG1349125
Dibromomethane	U		0.00123	0.00615	1.02	09/20/2019 07:38	WG1349125
1,2-Dichlorobenzene	U		0.00178	0.00615	1.02	09/20/2019 07:38	WG1349125
1,3-Dichlorobenzene	U		0.00208	0.00615	1.02	09/20/2019 07:38	WG1349125
1,4-Dichlorobenzene	U		0.00242	0.00615	1.02	09/20/2019 07:38	WG1349125
Dichlorodifluoromethane	U		0.00100	0.00307	1.02	09/20/2019 07:38	WG1349125
1,1-Dichloroethane	U		0.000706	0.00307	1.02	09/20/2019 07:38	WG1349125
1,2-Dichloroethane	U		0.000583	0.00307	1.02	09/20/2019 07:38	WG1349125
1,1-Dichloroethene	U		0.000615	0.00307	1.02	09/20/2019 07:38	WG1349125
cis-1,2-Dichloroethene	0.0354		0.000848	0.00307	1.02	09/20/2019 07:38	WG1349125
trans-1,2-Dichloroethene	U		0.00176	0.00615	1.02	09/20/2019 07:38	WG1349125
1,2-Dichloropropane	U		0.00157	0.00615	1.02	09/20/2019 07:38	WG1349125
1,1-Dichloropropene	U		0.000860	0.00307	1.02	09/20/2019 07:38	WG1349125
1,3-Dichloropropane	U		0.00214	0.00615	1.02	09/20/2019 07:38	WG1349125
cis-1,3-Dichloropropene	U		0.000834	0.00307	1.02	09/20/2019 07:38	WG1349125
trans-1,3-Dichloropropene	U		0.00188	0.00615	1.02	09/20/2019 07:38	WG1349125
trans-1,4-Dichloro-2-butene	U		0.00172	0.00615	1.02	09/20/2019 07:38	WG1349125
2,2-Dichloropropane	U		0.000975	0.00307	1.02	09/20/2019 07:38	WG1349125
Di-isopropyl ether	U		0.000430	0.00123	1.02	09/20/2019 07:38	WG1349125
Ethylbenzene	U		0.000652	0.00307	1.02	09/20/2019 07:38	WG1349125
Hexachloro-1,3-butadiene	U		0.0157	0.0307	1.02	09/20/2019 07:38	WG1349125
2-Hexanone	U		0.0123	0.0307	1.02	09/20/2019 07:38	WG1349125
n-Hexane	U		0.00130	0.00615	1.02	09/20/2019 07:38	WG1349125
Iodomethane	U		0.00744	0.0154	1.02	09/20/2019 07:38	WG1349125
Isopropylbenzene	U		0.00106	0.00307	1.02	09/20/2019 07:38	WG1349125
p-Isopropyltoluene	U		0.00287	0.00615	1.02	09/20/2019 07:38	WG1349125
2-Butanone (MEK)	0.0253	B J	0.0154	0.0307	1.02	09/20/2019 07:38	WG1349125
Methylene Chloride	0.00986	J	0.00816	0.0307	1.02	09/20/2019 07:38	WG1349125
4-Methyl-2-pentanone (MIBK)	U		0.0123	0.0307	1.02	09/20/2019 07:38	WG1349125

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000363	0.00123	1.02	09/20/2019 07:38	WG1349125
Naphthalene	U		0.00383	0.0154	1.02	09/20/2019 07:38	WG1349125
n-Propylbenzene	U		0.00145	0.00615	1.02	09/20/2019 07:38	WG1349125
Styrene	U		0.00335	0.0154	1.02	09/20/2019 07:38	WG1349125
1,1,1,2-Tetrachloroethane	U		0.000615	0.00307	1.02	09/20/2019 07:38	WG1349125
1,1,2,2-Tetrachloroethane	U		0.000480	0.00307	1.02	09/20/2019 07:38	WG1349125
1,1,2-Trichlorotrifluoroethane	U		0.000829	0.00307	1.02	09/20/2019 07:38	WG1349125
Tetrachloroethene	U		0.000860	0.00307	1.02	09/20/2019 07:38	WG1349125
Toluene	0.0128		0.00154	0.00615	1.02	09/20/2019 07:38	WG1349125
1,2,3-Trichlorobenzene	U		0.000769	0.00307	1.02	09/20/2019 07:38	WG1349125
1,2,4-Trichlorobenzene	U		0.00593	0.0154	1.02	09/20/2019 07:38	WG1349125
1,1,1-Trichloroethane	U		0.000337	0.00307	1.02	09/20/2019 07:38	WG1349125
1,1,2-Trichloroethane	U		0.00109	0.00307	1.02	09/20/2019 07:38	WG1349125
Trichloroethene	U		0.000492	0.00123	1.02	09/20/2019 07:38	WG1349125
Trichlorofluoromethane	U		0.000615	0.00307	1.02	09/20/2019 07:38	WG1349125
1,2,3-Trichloropropane	U		0.00627	0.0154	1.02	09/20/2019 07:38	WG1349125
1,2,4-Trimethylbenzene	U		0.00142	0.00615	1.02	09/20/2019 07:38	WG1349125
1,2,3-Trimethylbenzene	U		0.00141	0.00615	1.02	09/20/2019 07:38	WG1349125
1,3,5-Trimethylbenzene	U		0.00133	0.00615	1.02	09/20/2019 07:38	WG1349125
Vinyl acetate	U		0.00433	0.0154	1.02	09/20/2019 07:38	WG1349125
Vinyl chloride	U		0.000840	0.00307	1.02	09/20/2019 07:38	WG1349125
Xylenes, Total	U		0.00588	0.00799	1.02	09/20/2019 07:38	WG1349125
(S) Toluene-d8	*105*			*75.0-131*		*09/20/2019 07:38*	WG1349125
(S) 4-Bromofluorobenzene	*94.6*			*67.0-138*		*09/20/2019 07:38*	WG1349125
(S) 1,2-Dichloroethane-d4	*96.7*			*70.0-130*		*09/20/2019 07:38*	WG1349125

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.8		1	09/19/2019 20:32	WG1349076

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0249	J	0.0164	0.0298	1	09/20/2019 07:59	WG1349125
Acrylonitrile	U		0.00227	0.0149	1	09/20/2019 07:59	WG1349125
Benzene	U		0.000478	0.00119	1	09/20/2019 07:59	WG1349125
Bromobenzene	U		0.00125	0.0149	1	09/20/2019 07:59	WG1349125
Bromodichloromethane	U		0.000941	0.00298	1	09/20/2019 07:59	WG1349125
Bromochloromethane	U		0.00135	0.00597	1	09/20/2019 07:59	WG1349125
Bromoform	U		0.00714	0.0298	1	09/20/2019 07:59	WG1349125
Bromomethane	U		0.00442	0.0149	1	09/20/2019 07:59	WG1349125
n-Butylbenzene	U		0.00458	0.0149	1	09/20/2019 07:59	WG1349125
sec-Butylbenzene	U		0.00302	0.0149	1	09/20/2019 07:59	WG1349125
tert-Butylbenzene	U		0.00185	0.00597	1	09/20/2019 07:59	WG1349125
Carbon disulfide	U		0.00485	0.0149	1	09/20/2019 07:59	WG1349125
Carbon tetrachloride	U		0.00129	0.00597	1	09/20/2019 07:59	WG1349125
Chlorobenzene	U		0.000684	0.00298	1	09/20/2019 07:59	WG1349125
Chlorodibromomethane	U		0.000537	0.00298	1	09/20/2019 07:59	WG1349125
Chloroethane	U		0.00129	0.00597	1	09/20/2019 07:59	WG1349125
Chloroform	U		0.000495	0.00298	1	09/20/2019 07:59	WG1349125
Chloromethane	U		0.00166	0.0149	1	09/20/2019 07:59	WG1349125
2-Chlorotoluene	U		0.00110	0.00298	1	09/20/2019 07:59	WG1349125
4-Chlorotoluene	U		0.00135	0.00597	1	09/20/2019 07:59	WG1349125
1,2-Dibromo-3-Chloropropane	U	J0	0.00609	0.0298	1	09/20/2019 07:59	WG1349125
1,2-Dibromoethane	U		0.000627	0.00298	1	09/20/2019 07:59	WG1349125
Dibromomethane	U		0.00119	0.00597	1	09/20/2019 07:59	WG1349125
1,2-Dichlorobenzene	U		0.00173	0.00597	1	09/20/2019 07:59	WG1349125
1,3-Dichlorobenzene	U		0.00203	0.00597	1	09/20/2019 07:59	WG1349125
1,4-Dichlorobenzene	U		0.00235	0.00597	1	09/20/2019 07:59	WG1349125
Dichlorodifluoromethane	U		0.000977	0.00298	1	09/20/2019 07:59	WG1349125
1,1-Dichloroethane	U		0.000686	0.00298	1	09/20/2019 07:59	WG1349125
1,2-Dichloroethane	U		0.000567	0.00298	1	09/20/2019 07:59	WG1349125
1,1-Dichloroethene	U		0.000597	0.00298	1	09/20/2019 07:59	WG1349125
cis-1,2-Dichloroethene	0.000860	J	0.000824	0.00298	1	09/20/2019 07:59	WG1349125
trans-1,2-Dichloroethene	U		0.00171	0.00597	1	09/20/2019 07:59	WG1349125
1,2-Dichloropropane	U		0.00152	0.00597	1	09/20/2019 07:59	WG1349125
1,1-Dichloropropene	U		0.000836	0.00298	1	09/20/2019 07:59	WG1349125
1,3-Dichloropropane	U		0.00209	0.00597	1	09/20/2019 07:59	WG1349125
cis-1,3-Dichloropropene	U		0.000809	0.00298	1	09/20/2019 07:59	WG1349125
trans-1,3-Dichloropropene	U		0.00183	0.00597	1	09/20/2019 07:59	WG1349125
trans-1,4-Dichloro-2-butene	U		0.00167	0.00597	1	09/20/2019 07:59	WG1349125
2,2-Dichloropropane	U		0.000947	0.00298	1	09/20/2019 07:59	WG1349125
Di-isopropyl ether	U		0.000418	0.00119	1	09/20/2019 07:59	WG1349125
Ethylbenzene	U		0.000633	0.00298	1	09/20/2019 07:59	WG1349125
Hexachloro-1,3-butadiene	U		0.0152	0.0298	1	09/20/2019 07:59	WG1349125
2-Hexanone	U		0.0119	0.0298	1	09/20/2019 07:59	WG1349125
n-Hexane	U		0.00127	0.00597	1	09/20/2019 07:59	WG1349125
Iodomethane	U		0.00722	0.0149	1	09/20/2019 07:59	WG1349125
Isopropylbenzene	U		0.00103	0.00298	1	09/20/2019 07:59	WG1349125
p-Isopropyltoluene	U		0.00278	0.00597	1	09/20/2019 07:59	WG1349125
2-Butanone (MEK)	0.0229	B J	0.0149	0.0298	1	09/20/2019 07:59	WG1349125
Methylene Chloride	U		0.00793	0.0298	1	09/20/2019 07:59	WG1349125
4-Methyl-2-pentanone (MIBK)	U		0.0119	0.0298	1	09/20/2019 07:59	WG1349125

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000352	0.00119	1	09/20/2019 07:59	WG1349125
Naphthalene	U		0.00372	0.0149	1	09/20/2019 07:59	WG1349125
n-Propylbenzene	U		0.00141	0.00597	1	09/20/2019 07:59	WG1349125
Styrene	U		0.00326	0.0149	1	09/20/2019 07:59	WG1349125
1,1,1,2-Tetrachloroethane	U		0.000597	0.00298	1	09/20/2019 07:59	WG1349125
1,1,2,2-Tetrachloroethane	U		0.000466	0.00298	1	09/20/2019 07:59	WG1349125
1,1,2-Trichlorotrifluoroethane	U		0.000806	0.00298	1	09/20/2019 07:59	WG1349125
Tetrachloroethene	U		0.000836	0.00298	1	09/20/2019 07:59	WG1349125
Toluene	0.00528	J	0.00149	0.00597	1	09/20/2019 07:59	WG1349125
1,2,3-Trichlorobenzene	U		0.000746	0.00298	1	09/20/2019 07:59	WG1349125
1,2,4-Trichlorobenzene	U		0.00575	0.0149	1	09/20/2019 07:59	WG1349125
1,1,1-Trichloroethane	U		0.000328	0.00298	1	09/20/2019 07:59	WG1349125
1,1,2-Trichloroethane	U		0.00105	0.00298	1	09/20/2019 07:59	WG1349125
Trichloroethene	U		0.000478	0.00119	1	09/20/2019 07:59	WG1349125
Trichlorofluoromethane	U		0.000597	0.00298	1	09/20/2019 07:59	WG1349125
1,2,3-Trichloropropane	U		0.00609	0.0149	1	09/20/2019 07:59	WG1349125
1,2,4-Trimethylbenzene	U		0.00138	0.00597	1	09/20/2019 07:59	WG1349125
1,2,3-Trimethylbenzene	U		0.00137	0.00597	1	09/20/2019 07:59	WG1349125
1,3,5-Trimethylbenzene	U		0.00129	0.00597	1	09/20/2019 07:59	WG1349125
Vinyl acetate	U		0.00420	0.0149	1	09/20/2019 07:59	WG1349125
Vinyl chloride	U		0.000815	0.00298	1	09/20/2019 07:59	WG1349125
Xylenes, Total	U		0.00571	0.00776	1	09/20/2019 07:59	WG1349125
(S) Toluene-d8	*107*			*75.0-131*		*09/20/2019 07:59*	WG1349125
(S) 4-Bromofluorobenzene	*99.0*			*67.0-138*		*09/20/2019 07:59*	WG1349125
(S) 1,2-Dichloroethane-d4	*96.8*			*70.0-130*		*09/20/2019 07:59*	WG1349125

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.7		1	09/19/2019 20:32	WG1349076

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0299	J	0.0166	0.0302	1	09/20/2019 08:21	WG1349125
Acrylonitrile	U		0.00230	0.0151	1	09/20/2019 08:21	WG1349125
Benzene	U		0.000483	0.00121	1	09/20/2019 08:21	WG1349125
Bromobenzene	U		0.00127	0.0151	1	09/20/2019 08:21	WG1349125
Bromodichloromethane	U		0.000952	0.00302	1	09/20/2019 08:21	WG1349125
Bromochloromethane	U		0.00137	0.00604	1	09/20/2019 08:21	WG1349125
Bromoform	U		0.00723	0.0302	1	09/20/2019 08:21	WG1349125
Bromomethane	U		0.00447	0.0151	1	09/20/2019 08:21	WG1349125
n-Butylbenzene	U		0.00464	0.0151	1	09/20/2019 08:21	WG1349125
sec-Butylbenzene	U		0.00306	0.0151	1	09/20/2019 08:21	WG1349125
tert-Butylbenzene	U		0.00187	0.00604	1	09/20/2019 08:21	WG1349125
Carbon disulfide	U		0.00491	0.0151	1	09/20/2019 08:21	WG1349125
Carbon tetrachloride	U		0.00131	0.00604	1	09/20/2019 08:21	WG1349125
Chlorobenzene	U		0.000693	0.00302	1	09/20/2019 08:21	WG1349125
Chlorodibromomethane	U		0.000544	0.00302	1	09/20/2019 08:21	WG1349125
Chloroethane	U		0.00131	0.00604	1	09/20/2019 08:21	WG1349125
Chloroform	U		0.000502	0.00302	1	09/20/2019 08:21	WG1349125
Chloromethane	U		0.00168	0.0151	1	09/20/2019 08:21	WG1349125
2-Chlorotoluene	U		0.00111	0.00302	1	09/20/2019 08:21	WG1349125
4-Chlorotoluene	U		0.00137	0.00604	1	09/20/2019 08:21	WG1349125
1,2-Dibromo-3-Chloropropane	U	J0	0.00616	0.0302	1	09/20/2019 08:21	WG1349125
1,2-Dibromoethane	U		0.000635	0.00302	1	09/20/2019 08:21	WG1349125
Dibromomethane	U		0.00121	0.00604	1	09/20/2019 08:21	WG1349125
1,2-Dichlorobenzene	U		0.00175	0.00604	1	09/20/2019 08:21	WG1349125
1,3-Dichlorobenzene	U		0.00205	0.00604	1	09/20/2019 08:21	WG1349125
1,4-Dichlorobenzene	U		0.00238	0.00604	1	09/20/2019 08:21	WG1349125
Dichlorodifluoromethane	U		0.000989	0.00302	1	09/20/2019 08:21	WG1349125
1,1-Dichloroethane	U		0.000695	0.00302	1	09/20/2019 08:21	WG1349125
1,2-Dichloroethane	U		0.000574	0.00302	1	09/20/2019 08:21	WG1349125
1,1-Dichloroethene	U		0.000604	0.00302	1	09/20/2019 08:21	WG1349125
cis-1,2-Dichloroethene	U		0.000834	0.00302	1	09/20/2019 08:21	WG1349125
trans-1,2-Dichloroethene	U		0.00173	0.00604	1	09/20/2019 08:21	WG1349125
1,2-Dichloropropane	U		0.00153	0.00604	1	09/20/2019 08:21	WG1349125
1,1-Dichloropropene	U		0.000846	0.00302	1	09/20/2019 08:21	WG1349125
1,3-Dichloropropane	U		0.00212	0.00604	1	09/20/2019 08:21	WG1349125
cis-1,3-Dichloropropene	U		0.000819	0.00302	1	09/20/2019 08:21	WG1349125
trans-1,3-Dichloropropene	U		0.00185	0.00604	1	09/20/2019 08:21	WG1349125
trans-1,4-Dichloro-2-butene	U		0.00169	0.00604	1	09/20/2019 08:21	WG1349125
2,2-Dichloropropane	U		0.000958	0.00302	1	09/20/2019 08:21	WG1349125
Di-isopropyl ether	U		0.000423	0.00121	1	09/20/2019 08:21	WG1349125
Ethylbenzene	U		0.000641	0.00302	1	09/20/2019 08:21	WG1349125
Hexachloro-1,3-butadiene	U		0.0153	0.0302	1	09/20/2019 08:21	WG1349125
2-Hexanone	U		0.0121	0.0302	1	09/20/2019 08:21	WG1349125
n-Hexane	U		0.00128	0.00604	1	09/20/2019 08:21	WG1349125
Iodomethane	U		0.00731	0.0151	1	09/20/2019 08:21	WG1349125
Isopropylbenzene	U		0.00104	0.00302	1	09/20/2019 08:21	WG1349125
p-Isopropyltoluene	U		0.00282	0.00604	1	09/20/2019 08:21	WG1349125
2-Butanone (MEK)	0.0232	B J	0.0151	0.0302	1	09/20/2019 08:21	WG1349125
Methylene Chloride	0.00821	J	0.00803	0.0302	1	09/20/2019 08:21	WG1349125
4-Methyl-2-pentanone (MIBK)	U		0.0121	0.0302	1	09/20/2019 08:21	WG1349125

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000357	0.00121	1	09/20/2019 08:21	WG1349125
Naphthalene	U		0.00377	0.0151	1	09/20/2019 08:21	WG1349125
n-Propylbenzene	U		0.00143	0.00604	1	09/20/2019 08:21	WG1349125
Styrene	U		0.00330	0.0151	1	09/20/2019 08:21	WG1349125
1,1,1,2-Tetrachloroethane	U		0.000604	0.00302	1	09/20/2019 08:21	WG1349125
1,1,2,2-Tetrachloroethane	U		0.000471	0.00302	1	09/20/2019 08:21	WG1349125
1,1,2-Trichlorotrifluoroethane	U		0.000816	0.00302	1	09/20/2019 08:21	WG1349125
Tetrachloroethene	U		0.000846	0.00302	1	09/20/2019 08:21	WG1349125
Toluene	0.00569	J	0.00151	0.00604	1	09/20/2019 08:21	WG1349125
1,2,3-Trichlorobenzene	U		0.000755	0.00302	1	09/20/2019 08:21	WG1349125
1,2,4-Trichlorobenzene	U		0.00583	0.0151	1	09/20/2019 08:21	WG1349125
1,1,1-Trichloroethane	U		0.000332	0.00302	1	09/20/2019 08:21	WG1349125
1,1,2-Trichloroethane	U		0.00107	0.00302	1	09/20/2019 08:21	WG1349125
Trichloroethene	U		0.000483	0.00121	1	09/20/2019 08:21	WG1349125
Trichlorofluoromethane	U		0.000604	0.00302	1	09/20/2019 08:21	WG1349125
1,2,3-Trichloropropane	U		0.00616	0.0151	1	09/20/2019 08:21	WG1349125
1,2,4-Trimethylbenzene	U		0.00140	0.00604	1	09/20/2019 08:21	WG1349125
1,2,3-Trimethylbenzene	U		0.00139	0.00604	1	09/20/2019 08:21	WG1349125
1,3,5-Trimethylbenzene	U		0.00131	0.00604	1	09/20/2019 08:21	WG1349125
Vinyl acetate	U		0.00425	0.0151	1	09/20/2019 08:21	WG1349125
Vinyl chloride	U		0.000826	0.00302	1	09/20/2019 08:21	WG1349125
Xylenes, Total	U		0.00578	0.00786	1	09/20/2019 08:21	WG1349125
(S) Toluene-d8	*106*			*75.0-131*		*09/20/2019 08:21*	WG1349125
(S) 4-Bromofluorobenzene	*95.3*			*67.0-138*		*09/20/2019 08:21*	WG1349125
(S) 1,2-Dichloroethane-d4	*97.0*			*70.0-130*		*09/20/2019 08:21*	WG1349125

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.4		1	09/19/2019 20:32	WG1349076

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0383		0.0172	0.0315	1	09/20/2019 08:42	WG1349125
Acrylonitrile	U		0.00239	0.0157	1	09/20/2019 08:42	WG1349125
Benzene	U		0.000503	0.00126	1	09/20/2019 08:42	WG1349125
Bromobenzene	U		0.00132	0.0157	1	09/20/2019 08:42	WG1349125
Bromodichloromethane	U		0.000992	0.00315	1	09/20/2019 08:42	WG1349125
Bromochloromethane	U		0.00142	0.00629	1	09/20/2019 08:42	WG1349125
Bromoform	U		0.00753	0.0315	1	09/20/2019 08:42	WG1349125
Bromomethane	U		0.00466	0.0157	1	09/20/2019 08:42	WG1349125
n-Butylbenzene	U		0.00483	0.0157	1	09/20/2019 08:42	WG1349125
sec-Butylbenzene	U		0.00318	0.0157	1	09/20/2019 08:42	WG1349125
tert-Butylbenzene	U		0.00195	0.00629	1	09/20/2019 08:42	WG1349125
Carbon disulfide	U		0.00511	0.0157	1	09/20/2019 08:42	WG1349125
Carbon tetrachloride	U		0.00136	0.00629	1	09/20/2019 08:42	WG1349125
Chlorobenzene	U		0.000721	0.00315	1	09/20/2019 08:42	WG1349125
Chlorodibromomethane	U		0.000566	0.00315	1	09/20/2019 08:42	WG1349125
Chloroethane	U		0.00136	0.00629	1	09/20/2019 08:42	WG1349125
Chloroform	U		0.000522	0.00315	1	09/20/2019 08:42	WG1349125
Chloromethane	U		0.00175	0.0157	1	09/20/2019 08:42	WG1349125
2-Chlorotoluene	U		0.00116	0.00315	1	09/20/2019 08:42	WG1349125
4-Chlorotoluene	U		0.00142	0.00629	1	09/20/2019 08:42	WG1349125
1,2-Dibromo-3-Chloropropane	U	J0	0.00642	0.0315	1	09/20/2019 08:42	WG1349125
1,2-Dibromoethane	U		0.000661	0.00315	1	09/20/2019 08:42	WG1349125
Dibromomethane	U		0.00126	0.00629	1	09/20/2019 08:42	WG1349125
1,2-Dichlorobenzene	U		0.00183	0.00629	1	09/20/2019 08:42	WG1349125
1,3-Dichlorobenzene	U		0.00214	0.00629	1	09/20/2019 08:42	WG1349125
1,4-Dichlorobenzene	U		0.00248	0.00629	1	09/20/2019 08:42	WG1349125
Dichlorodifluoromethane	U		0.00103	0.00315	1	09/20/2019 08:42	WG1349125
1,1-Dichloroethane	U		0.000724	0.00315	1	09/20/2019 08:42	WG1349125
1,2-Dichloroethane	U		0.000598	0.00315	1	09/20/2019 08:42	WG1349125
1,1-Dichloroethene	U		0.000629	0.00315	1	09/20/2019 08:42	WG1349125
cis-1,2-Dichloroethene	0.00905		0.000868	0.00315	1	09/20/2019 08:42	WG1349125
trans-1,2-Dichloroethene	U		0.00180	0.00629	1	09/20/2019 08:42	WG1349125
1,2-Dichloropropane	U		0.00160	0.00629	1	09/20/2019 08:42	WG1349125
1,1-Dichloropropene	U		0.000881	0.00315	1	09/20/2019 08:42	WG1349125
1,3-Dichloropropane	U		0.00220	0.00629	1	09/20/2019 08:42	WG1349125
cis-1,3-Dichloropropene	U		0.000853	0.00315	1	09/20/2019 08:42	WG1349125
trans-1,3-Dichloropropene	U		0.00193	0.00629	1	09/20/2019 08:42	WG1349125
trans-1,4-Dichloro-2-butene	U		0.00176	0.00629	1	09/20/2019 08:42	WG1349125
2,2-Dichloropropane	U		0.000998	0.00315	1	09/20/2019 08:42	WG1349125
Di-isopropyl ether	U		0.000441	0.00126	1	09/20/2019 08:42	WG1349125
Ethylbenzene	U		0.000667	0.00315	1	09/20/2019 08:42	WG1349125
Hexachloro-1,3-butadiene	U		0.0160	0.0315	1	09/20/2019 08:42	WG1349125
2-Hexanone	U		0.0126	0.0315	1	09/20/2019 08:42	WG1349125
n-Hexane	0.0128		0.00133	0.00629	1	09/20/2019 08:42	WG1349125
Iodomethane	U		0.00762	0.0157	1	09/20/2019 08:42	WG1349125
Isopropylbenzene	U		0.00109	0.00315	1	09/20/2019 08:42	WG1349125
p-Isopropyltoluene	U		0.00293	0.00629	1	09/20/2019 08:42	WG1349125
2-Butanone (MEK)	0.0283	B J	0.0157	0.0315	1	09/20/2019 08:42	WG1349125
Methylene Chloride	0.00943	J	0.00836	0.0315	1	09/20/2019 08:42	WG1349125
4-Methyl-2-pentanone (MIBK)	U		0.0126	0.0315	1	09/20/2019 08:42	WG1349125

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000371	0.00126	1	09/20/2019 08:42	WG1349125
Naphthalene	U		0.00393	0.0157	1	09/20/2019 08:42	WG1349125
n-Propylbenzene	U		0.00149	0.00629	1	09/20/2019 08:42	WG1349125
Styrene	U		0.00344	0.0157	1	09/20/2019 08:42	WG1349125
1,1,1,2-Tetrachloroethane	U		0.000629	0.00315	1	09/20/2019 08:42	WG1349125
1,1,2,2-Tetrachloroethane	U		0.000491	0.00315	1	09/20/2019 08:42	WG1349125
1,1,2-Trichlorotrifluoroethane	U		0.000850	0.00315	1	09/20/2019 08:42	WG1349125
Tetrachloroethene	U		0.000881	0.00315	1	09/20/2019 08:42	WG1349125
Toluene	0.00913		0.00157	0.00629	1	09/20/2019 08:42	WG1349125
1,2,3-Trichlorobenzene	U		0.000787	0.00315	1	09/20/2019 08:42	WG1349125
1,2,4-Trichlorobenzene	U		0.00607	0.0157	1	09/20/2019 08:42	WG1349125
1,1,1-Trichloroethane	U		0.000346	0.00315	1	09/20/2019 08:42	WG1349125
1,1,2-Trichloroethane	U		0.00111	0.00315	1	09/20/2019 08:42	WG1349125
Trichloroethene	U		0.000503	0.00126	1	09/20/2019 08:42	WG1349125
Trichlorofluoromethane	U		0.000629	0.00315	1	09/20/2019 08:42	WG1349125
1,2,3-Trichloropropane	U		0.00642	0.0157	1	09/20/2019 08:42	WG1349125
1,2,4-Trimethylbenzene	U		0.00146	0.00629	1	09/20/2019 08:42	WG1349125
1,2,3-Trimethylbenzene	U		0.00145	0.00629	1	09/20/2019 08:42	WG1349125
1,3,5-Trimethylbenzene	U		0.00136	0.00629	1	09/20/2019 08:42	WG1349125
Vinyl acetate	U		0.00443	0.0157	1	09/20/2019 08:42	WG1349125
Vinyl chloride	U		0.000860	0.00315	1	09/20/2019 08:42	WG1349125
Xylenes, Total	U		0.00602	0.00818	1	09/20/2019 08:42	WG1349125
(S) Toluene-d8	*107*			*75.0-131*		*09/20/2019 08:42*	WG1349125
(S) 4-Bromofluorobenzene	*97.8*			*67.0-138*		*09/20/2019 08:42*	WG1349125
(S) 1,2-Dichloroethane-d4	*98.2*			*70.0-130*		*09/20/2019 08:42*	WG1349125

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0237	J	0.0137	0.0250	1	09/20/2019 09:03	WG1349125
Acrylonitrile	U		0.00190	0.0125	1	09/20/2019 09:03	WG1349125
Benzene	U		0.000400	0.00100	1	09/20/2019 09:03	WG1349125
Bromobenzene	U		0.00105	0.0125	1	09/20/2019 09:03	WG1349125
Bromodichloromethane	U		0.000788	0.00250	1	09/20/2019 09:03	WG1349125
Bromochloromethane	U		0.00113	0.00500	1	09/20/2019 09:03	WG1349125
Bromoform	U		0.00598	0.0250	1	09/20/2019 09:03	WG1349125
Bromomethane	U		0.00370	0.0125	1	09/20/2019 09:03	WG1349125
n-Butylbenzene	U		0.00384	0.0125	1	09/20/2019 09:03	WG1349125
sec-Butylbenzene	U		0.00253	0.0125	1	09/20/2019 09:03	WG1349125
tert-Butylbenzene	U		0.00155	0.00500	1	09/20/2019 09:03	WG1349125
Carbon disulfide	U		0.00406	0.0125	1	09/20/2019 09:03	WG1349125
Carbon tetrachloride	U		0.00108	0.00500	1	09/20/2019 09:03	WG1349125
Chlorobenzene	U		0.000573	0.00250	1	09/20/2019 09:03	WG1349125
Chlorodibromomethane	U		0.000450	0.00250	1	09/20/2019 09:03	WG1349125
Chloroethane	U		0.00108	0.00500	1	09/20/2019 09:03	WG1349125
Chloroform	U		0.000415	0.00250	1	09/20/2019 09:03	WG1349125
Chloromethane	U		0.00139	0.0125	1	09/20/2019 09:03	WG1349125
2-Chlorotoluene	U		0.000920	0.00250	1	09/20/2019 09:03	WG1349125
4-Chlorotoluene	U		0.00113	0.00500	1	09/20/2019 09:03	WG1349125
1,2-Dibromo-3-Chloropropane	U	J0	0.00510	0.0250	1	09/20/2019 09:03	WG1349125
1,2-Dibromoethane	U		0.000525	0.00250	1	09/20/2019 09:03	WG1349125
Dibromomethane	U		0.00100	0.00500	1	09/20/2019 09:03	WG1349125
1,2-Dichlorobenzene	U		0.00145	0.00500	1	09/20/2019 09:03	WG1349125
1,3-Dichlorobenzene	U		0.00170	0.00500	1	09/20/2019 09:03	WG1349125
1,4-Dichlorobenzene	U		0.00197	0.00500	1	09/20/2019 09:03	WG1349125
Dichlorodifluoromethane	U		0.000818	0.00250	1	09/20/2019 09:03	WG1349125
1,1-Dichloroethane	U		0.000575	0.00250	1	09/20/2019 09:03	WG1349125
1,2-Dichloroethane	U		0.000475	0.00250	1	09/20/2019 09:03	WG1349125
1,1-Dichloroethene	U		0.000500	0.00250	1	09/20/2019 09:03	WG1349125
cis-1,2-Dichloroethene	U		0.000690	0.00250	1	09/20/2019 09:03	WG1349125
trans-1,2-Dichloroethene	U		0.00143	0.00500	1	09/20/2019 09:03	WG1349125
1,2-Dichloropropane	U		0.00127	0.00500	1	09/20/2019 09:03	WG1349125
1,1-Dichloropropene	U		0.000700	0.00250	1	09/20/2019 09:03	WG1349125
1,3-Dichloropropane	U		0.00175	0.00500	1	09/20/2019 09:03	WG1349125
cis-1,3-Dichloropropene	U		0.000678	0.00250	1	09/20/2019 09:03	WG1349125
trans-1,3-Dichloropropene	U		0.00153	0.00500	1	09/20/2019 09:03	WG1349125
trans-1,4-Dichloro-2-butene	U		0.00140	0.00500	1	09/20/2019 09:03	WG1349125
2,2-Dichloropropane	U		0.000793	0.00250	1	09/20/2019 09:03	WG1349125
Di-isopropyl ether	U		0.000350	0.00100	1	09/20/2019 09:03	WG1349125
Ethylbenzene	U		0.000530	0.00250	1	09/20/2019 09:03	WG1349125
Hexachloro-1,3-butadiene	U		0.0127	0.0250	1	09/20/2019 09:03	WG1349125
2-Hexanone	U		0.0100	0.0250	1	09/20/2019 09:03	WG1349125
n-Hexane	U		0.00106	0.00500	1	09/20/2019 09:03	WG1349125
Iodomethane	U		0.00605	0.0125	1	09/20/2019 09:03	WG1349125
Isopropylbenzene	U		0.000863	0.00250	1	09/20/2019 09:03	WG1349125
p-Isopropyltoluene	U		0.00233	0.00500	1	09/20/2019 09:03	WG1349125
2-Butanone (MEK)	0.0187	B J	0.0125	0.0250	1	09/20/2019 09:03	WG1349125
Methylene Chloride	U		0.00664	0.0250	1	09/20/2019 09:03	WG1349125
4-Methyl-2-pentanone (MIBK)	U		0.0100	0.0250	1	09/20/2019 09:03	WG1349125
Methyl tert-butyl ether	U		0.000295	0.00100	1	09/20/2019 09:03	WG1349125
Naphthalene	U		0.00312	0.0125	1	09/20/2019 09:03	WG1349125
n-Propylbenzene	U		0.00118	0.00500	1	09/20/2019 09:03	WG1349125
Styrene	U		0.00273	0.0125	1	09/20/2019 09:03	WG1349125
1,1,1,2-Tetrachloroethane	U		0.000500	0.00250	1	09/20/2019 09:03	WG1349125
1,1,2,2-Tetrachloroethane	U		0.000390	0.00250	1	09/20/2019 09:03	WG1349125

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.000675	0.00250	1	09/20/2019 09:03	WG1349125
Tetrachloroethene	U		0.000700	0.00250	1	09/20/2019 09:03	WG1349125
Toluene	0.00369	J	0.00125	0.00500	1	09/20/2019 09:03	WG1349125
1,2,3-Trichlorobenzene	U		0.000625	0.00250	1	09/20/2019 09:03	WG1349125
1,2,4-Trichlorobenzene	U		0.00482	0.0125	1	09/20/2019 09:03	WG1349125
1,1,1-Trichloroethane	U		0.000275	0.00250	1	09/20/2019 09:03	WG1349125
1,1,2-Trichloroethane	U		0.000883	0.00250	1	09/20/2019 09:03	WG1349125
Trichloroethene	U		0.000400	0.00100	1	09/20/2019 09:03	WG1349125
Trichlorofluoromethane	U		0.000500	0.00250	1	09/20/2019 09:03	WG1349125
1,2,3-Trichloropropane	U		0.00510	0.0125	1	09/20/2019 09:03	WG1349125
1,2,4-Trimethylbenzene	U		0.00116	0.00500	1	09/20/2019 09:03	WG1349125
1,2,3-Trimethylbenzene	U		0.00115	0.00500	1	09/20/2019 09:03	WG1349125
1,3,5-Trimethylbenzene	U		0.00108	0.00500	1	09/20/2019 09:03	WG1349125
Vinyl acetate	U		0.00352	0.0125	1	09/20/2019 09:03	WG1349125
Vinyl chloride	U		0.000683	0.00250	1	09/20/2019 09:03	WG1349125
Xylenes, Total	U		0.00478	0.00650	1	09/20/2019 09:03	WG1349125
(S) Toluene-d8	*107*			*75.0-131*		*09/20/2019 09:03*	WG1349125
(S) 4-Bromofluorobenzene	*98.9*			*67.0-138*		*09/20/2019 09:03*	WG1349125
(S) 1,2-Dichloroethane-d4	*97.4*			*70.0-130*		*09/20/2019 09:03*	WG1349125

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.2		1	09/19/2019 20:32	WG1349076

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0299		0.0155	0.0283	1	09/20/2019 09:25	WG1349125
Acrylonitrile	U		0.00215	0.0142	1	09/20/2019 09:25	WG1349125
Benzene	0.0148		0.000453	0.00113	1	09/20/2019 09:25	WG1349125
Bromobenzene	U		0.00119	0.0142	1	09/20/2019 09:25	WG1349125
Bromodichloromethane	U		0.000893	0.00283	1	09/20/2019 09:25	WG1349125
Bromochloromethane	U		0.00128	0.00567	1	09/20/2019 09:25	WG1349125
Bromoform	U		0.00678	0.0283	1	09/20/2019 09:25	WG1349125
Bromomethane	U		0.00419	0.0142	1	09/20/2019 09:25	WG1349125
n-Butylbenzene	U		0.00435	0.0142	1	09/20/2019 09:25	WG1349125
sec-Butylbenzene	U		0.00287	0.0142	1	09/20/2019 09:25	WG1349125
tert-Butylbenzene	U		0.00176	0.00567	1	09/20/2019 09:25	WG1349125
Carbon disulfide	U		0.00460	0.0142	1	09/20/2019 09:25	WG1349125
Carbon tetrachloride	U		0.00122	0.00567	1	09/20/2019 09:25	WG1349125
Chlorobenzene	U		0.000649	0.00283	1	09/20/2019 09:25	WG1349125
Chlorodibromomethane	U		0.000510	0.00283	1	09/20/2019 09:25	WG1349125
Chloroethane	U		0.00122	0.00567	1	09/20/2019 09:25	WG1349125
Chloroform	U		0.000470	0.00283	1	09/20/2019 09:25	WG1349125
Chloromethane	U		0.00158	0.0142	1	09/20/2019 09:25	WG1349125
2-Chlorotoluene	U		0.00104	0.00283	1	09/20/2019 09:25	WG1349125
4-Chlorotoluene	U		0.00128	0.00567	1	09/20/2019 09:25	WG1349125
1,2-Dibromo-3-Chloropropane	U	J0	0.00578	0.0283	1	09/20/2019 09:25	WG1349125
1,2-Dibromoethane	U		0.000595	0.00283	1	09/20/2019 09:25	WG1349125
Dibromomethane	U		0.00113	0.00567	1	09/20/2019 09:25	WG1349125
1,2-Dichlorobenzene	U		0.00164	0.00567	1	09/20/2019 09:25	WG1349125
1,3-Dichlorobenzene	U		0.00193	0.00567	1	09/20/2019 09:25	WG1349125
1,4-Dichlorobenzene	U		0.00223	0.00567	1	09/20/2019 09:25	WG1349125
Dichlorodifluoromethane	U		0.000927	0.00283	1	09/20/2019 09:25	WG1349125
1,1-Dichloroethane	U		0.000652	0.00283	1	09/20/2019 09:25	WG1349125
1,2-Dichloroethane	U		0.000538	0.00283	1	09/20/2019 09:25	WG1349125
1,1-Dichloroethene	U		0.000567	0.00283	1	09/20/2019 09:25	WG1349125
cis-1,2-Dichloroethene	0.0143		0.000782	0.00283	1	09/20/2019 09:25	WG1349125
trans-1,2-Dichloroethene	U		0.00162	0.00567	1	09/20/2019 09:25	WG1349125
1,2-Dichloropropane	U		0.00144	0.00567	1	09/20/2019 09:25	WG1349125
1,1-Dichloropropene	U		0.000793	0.00283	1	09/20/2019 09:25	WG1349125
1,3-Dichloropropane	U		0.00198	0.00567	1	09/20/2019 09:25	WG1349125
cis-1,3-Dichloropropene	U		0.000768	0.00283	1	09/20/2019 09:25	WG1349125
trans-1,3-Dichloropropene	U		0.00173	0.00567	1	09/20/2019 09:25	WG1349125
trans-1,4-Dichloro-2-butene	U		0.00159	0.00567	1	09/20/2019 09:25	WG1349125
2,2-Dichloropropane	U		0.000899	0.00283	1	09/20/2019 09:25	WG1349125
Di-isopropyl ether	U		0.000397	0.00113	1	09/20/2019 09:25	WG1349125
Ethylbenzene	U		0.000601	0.00283	1	09/20/2019 09:25	WG1349125
Hexachloro-1,3-butadiene	U		0.0144	0.0283	1	09/20/2019 09:25	WG1349125
2-Hexanone	U		0.0113	0.0283	1	09/20/2019 09:25	WG1349125
n-Hexane	U		0.00120	0.00567	1	09/20/2019 09:25	WG1349125
Iodomethane	U		0.00686	0.0142	1	09/20/2019 09:25	WG1349125
Isopropylbenzene	U		0.000978	0.00283	1	09/20/2019 09:25	WG1349125
p-Isopropyltoluene	U		0.00264	0.00567	1	09/20/2019 09:25	WG1349125
2-Butanone (MEK)	0.0223	B J	0.0142	0.0283	1	09/20/2019 09:25	WG1349125
Methylene Chloride	0.00805	J	0.00753	0.0283	1	09/20/2019 09:25	WG1349125
4-Methyl-2-pentanone (MIBK)	U		0.0113	0.0283	1	09/20/2019 09:25	WG1349125

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000334	0.00113	1	09/20/2019 09:25	WG1349125
Naphthalene	U		0.00354	0.0142	1	09/20/2019 09:25	WG1349125
n-Propylbenzene	U		0.00134	0.00567	1	09/20/2019 09:25	WG1349125
Styrene	U		0.00309	0.0142	1	09/20/2019 09:25	WG1349125
1,1,1,2-Tetrachloroethane	U		0.000567	0.00283	1	09/20/2019 09:25	WG1349125
1,1,2,2-Tetrachloroethane	U		0.000442	0.00283	1	09/20/2019 09:25	WG1349125
1,1,2-Trichlorotrifluoroethane	U		0.000765	0.00283	1	09/20/2019 09:25	WG1349125
Tetrachloroethene	U		0.000793	0.00283	1	09/20/2019 09:25	WG1349125
Toluene	0.00501	J	0.00142	0.00567	1	09/20/2019 09:25	WG1349125
1,2,3-Trichlorobenzene	U		0.000708	0.00283	1	09/20/2019 09:25	WG1349125
1,2,4-Trichlorobenzene	U		0.00546	0.0142	1	09/20/2019 09:25	WG1349125
1,1,1-Trichloroethane	U		0.000312	0.00283	1	09/20/2019 09:25	WG1349125
1,1,2-Trichloroethane	U		0.00100	0.00283	1	09/20/2019 09:25	WG1349125
Trichloroethene	U		0.000453	0.00113	1	09/20/2019 09:25	WG1349125
Trichlorofluoromethane	U		0.000567	0.00283	1	09/20/2019 09:25	WG1349125
1,2,3-Trichloropropane	U		0.00578	0.0142	1	09/20/2019 09:25	WG1349125
1,2,4-Trimethylbenzene	U		0.00131	0.00567	1	09/20/2019 09:25	WG1349125
1,2,3-Trimethylbenzene	U		0.00130	0.00567	1	09/20/2019 09:25	WG1349125
1,3,5-Trimethylbenzene	U		0.00122	0.00567	1	09/20/2019 09:25	WG1349125
Vinyl acetate	U		0.00399	0.0142	1	09/20/2019 09:25	WG1349125
Vinyl chloride	0.00110	J	0.000774	0.00283	1	09/20/2019 09:25	WG1349125
Xylenes, Total	U		0.00542	0.00737	1	09/20/2019 09:25	WG1349125
(S) Toluene-d8	*108*			*75.0-131*		*09/20/2019 09:25*	WG1349125
(S) 4-Bromofluorobenzene	*98.4*			*67.0-138*		*09/20/2019 09:25*	WG1349125
(S) 1,2-Dichloroethane-d4	*95.4*			*70.0-130*		*09/20/2019 09:25*	WG1349125

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.2		1	09/19/2019 20:32	WG1349076

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0418		0.0155	0.0283	1	09/20/2019 09:47	WG1349125
Acrylonitrile	U		0.00215	0.0142	1	09/20/2019 09:47	WG1349125
Benzene	0.00992		0.000453	0.00113	1	09/20/2019 09:47	WG1349125
Bromobenzene	U		0.00119	0.0142	1	09/20/2019 09:47	WG1349125
Bromodichloromethane	U		0.000893	0.00283	1	09/20/2019 09:47	WG1349125
Bromochloromethane	U		0.00128	0.00567	1	09/20/2019 09:47	WG1349125
Bromoform	U		0.00678	0.0283	1	09/20/2019 09:47	WG1349125
Bromomethane	U		0.00419	0.0142	1	09/20/2019 09:47	WG1349125
n-Butylbenzene	U		0.00435	0.0142	1	09/20/2019 09:47	WG1349125
sec-Butylbenzene	U		0.00287	0.0142	1	09/20/2019 09:47	WG1349125
tert-Butylbenzene	U		0.00176	0.00567	1	09/20/2019 09:47	WG1349125
Carbon disulfide	U		0.00460	0.0142	1	09/20/2019 09:47	WG1349125
Carbon tetrachloride	U		0.00122	0.00567	1	09/20/2019 09:47	WG1349125
Chlorobenzene	U		0.000649	0.00283	1	09/20/2019 09:47	WG1349125
Chlorodibromomethane	U		0.000510	0.00283	1	09/20/2019 09:47	WG1349125
Chloroethane	U		0.00122	0.00567	1	09/20/2019 09:47	WG1349125
Chloroform	U		0.000470	0.00283	1	09/20/2019 09:47	WG1349125
Chloromethane	U		0.00158	0.0142	1	09/20/2019 09:47	WG1349125
2-Chlorotoluene	U		0.00104	0.00283	1	09/20/2019 09:47	WG1349125
4-Chlorotoluene	U		0.00128	0.00567	1	09/20/2019 09:47	WG1349125
1,2-Dibromo-3-Chloropropane	U	J0	0.00578	0.0283	1	09/20/2019 09:47	WG1349125
1,2-Dibromoethane	U		0.000595	0.00283	1	09/20/2019 09:47	WG1349125
Dibromomethane	U		0.00113	0.00567	1	09/20/2019 09:47	WG1349125
1,2-Dichlorobenzene	U		0.00164	0.00567	1	09/20/2019 09:47	WG1349125
1,3-Dichlorobenzene	U		0.00193	0.00567	1	09/20/2019 09:47	WG1349125
1,4-Dichlorobenzene	U		0.00223	0.00567	1	09/20/2019 09:47	WG1349125
Dichlorodifluoromethane	U		0.000927	0.00283	1	09/20/2019 09:47	WG1349125
1,1-Dichloroethane	U		0.000652	0.00283	1	09/20/2019 09:47	WG1349125
1,2-Dichloroethane	U		0.000538	0.00283	1	09/20/2019 09:47	WG1349125
1,1-Dichloroethene	U		0.000567	0.00283	1	09/20/2019 09:47	WG1349125
cis-1,2-Dichloroethene	0.213		0.000782	0.00283	1	09/20/2019 09:47	WG1349125
trans-1,2-Dichloroethene	0.00171	J	0.00162	0.00567	1	09/20/2019 09:47	WG1349125
1,2-Dichloropropane	U		0.00144	0.00567	1	09/20/2019 09:47	WG1349125
1,1-Dichloropropene	U		0.000793	0.00283	1	09/20/2019 09:47	WG1349125
1,3-Dichloropropane	U		0.00198	0.00567	1	09/20/2019 09:47	WG1349125
cis-1,3-Dichloropropene	U		0.000768	0.00283	1	09/20/2019 09:47	WG1349125
trans-1,3-Dichloropropene	U		0.00173	0.00567	1	09/20/2019 09:47	WG1349125
trans-1,4-Dichloro-2-butene	U		0.00159	0.00567	1	09/20/2019 09:47	WG1349125
2,2-Dichloropropane	U		0.000899	0.00283	1	09/20/2019 09:47	WG1349125
Di-isopropyl ether	U		0.000397	0.00113	1	09/20/2019 09:47	WG1349125
Ethylbenzene	U		0.000601	0.00283	1	09/20/2019 09:47	WG1349125
Hexachloro-1,3-butadiene	U		0.0144	0.0283	1	09/20/2019 09:47	WG1349125
2-Hexanone	U		0.0113	0.0283	1	09/20/2019 09:47	WG1349125
n-Hexane	0.0181		0.00120	0.00567	1	09/20/2019 09:47	WG1349125
Iodomethane	U		0.00686	0.0142	1	09/20/2019 09:47	WG1349125
Isopropylbenzene	U		0.000978	0.00283	1	09/20/2019 09:47	WG1349125
p-Isopropyltoluene	U		0.00264	0.00567	1	09/20/2019 09:47	WG1349125
2-Butanone (MEK)	0.0233	B J	0.0142	0.0283	1	09/20/2019 09:47	WG1349125
Methylene Chloride	U		0.00753	0.0283	1	09/20/2019 09:47	WG1349125
4-Methyl-2-pentanone (MIBK)	U		0.0113	0.0283	1	09/20/2019 09:47	WG1349125

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000334	0.00113	1	09/20/2019 09:47	WG1349125
Naphthalene	U		0.00354	0.0142	1	09/20/2019 09:47	WG1349125
n-Propylbenzene	U		0.00134	0.00567	1	09/20/2019 09:47	WG1349125
Styrene	U		0.00309	0.0142	1	09/20/2019 09:47	WG1349125
1,1,1,2-Tetrachloroethane	U		0.000567	0.00283	1	09/20/2019 09:47	WG1349125
1,1,2,2-Tetrachloroethane	U		0.000442	0.00283	1	09/20/2019 09:47	WG1349125
1,1,2-Trichlorotrifluoroethane	U		0.000765	0.00283	1	09/20/2019 09:47	WG1349125
Tetrachloroethene	U		0.000793	0.00283	1	09/20/2019 09:47	WG1349125
Toluene	0.00977		0.00142	0.00567	1	09/20/2019 09:47	WG1349125
1,2,3-Trichlorobenzene	U		0.000708	0.00283	1	09/20/2019 09:47	WG1349125
1,2,4-Trichlorobenzene	U		0.00546	0.0142	1	09/20/2019 09:47	WG1349125
1,1,1-Trichloroethane	U		0.000312	0.00283	1	09/20/2019 09:47	WG1349125
1,1,2-Trichloroethane	U		0.00100	0.00283	1	09/20/2019 09:47	WG1349125
Trichloroethene	U		0.000453	0.00113	1	09/20/2019 09:47	WG1349125
Trichlorofluoromethane	U		0.000567	0.00283	1	09/20/2019 09:47	WG1349125
1,2,3-Trichloropropane	U		0.00578	0.0142	1	09/20/2019 09:47	WG1349125
1,2,4-Trimethylbenzene	U		0.00131	0.00567	1	09/20/2019 09:47	WG1349125
1,2,3-Trimethylbenzene	U		0.00130	0.00567	1	09/20/2019 09:47	WG1349125
1,3,5-Trimethylbenzene	U		0.00122	0.00567	1	09/20/2019 09:47	WG1349125
Vinyl acetate	U		0.00399	0.0142	1	09/20/2019 09:47	WG1349125
Vinyl chloride	0.0200		0.000774	0.00283	1	09/20/2019 09:47	WG1349125
Xylenes, Total	U		0.00542	0.00737	1	09/20/2019 09:47	WG1349125
(S) Toluene-d8	*106*			*75.0-131*		*09/20/2019 09:47*	WG1349125
(S) 4-Bromofluorobenzene	*97.2*			*67.0-138*		*09/20/2019 09:47*	WG1349125
(S) 1,2-Dichloroethane-d4	*95.2*			*70.0-130*		*09/20/2019 09:47*	WG1349125

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.9		1	09/19/2019 20:32	WG1349076

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0439		0.0161	0.0294	1.01	09/20/2019 10:10	WG1349125
Acrylonitrile	U		0.00224	0.0147	1.01	09/20/2019 10:10	WG1349125
Benzene	0.00303		0.000471	0.00118	1.01	09/20/2019 10:10	WG1349125
Bromobenzene	U		0.00123	0.0147	1.01	09/20/2019 10:10	WG1349125
Bromodichloromethane	U		0.000927	0.00294	1.01	09/20/2019 10:10	WG1349125
Bromochloromethane	U		0.00133	0.00588	1.01	09/20/2019 10:10	WG1349125
Bromoform	U		0.00703	0.0294	1.01	09/20/2019 10:10	WG1349125
Bromomethane	U		0.00436	0.0147	1.01	09/20/2019 10:10	WG1349125
n-Butylbenzene	U		0.00452	0.0147	1.01	09/20/2019 10:10	WG1349125
sec-Butylbenzene	U		0.00298	0.0147	1.01	09/20/2019 10:10	WG1349125
tert-Butylbenzene	U		0.00182	0.00588	1.01	09/20/2019 10:10	WG1349125
Carbon disulfide	U		0.00478	0.0147	1.01	09/20/2019 10:10	WG1349125
Carbon tetrachloride	U		0.00127	0.00588	1.01	09/20/2019 10:10	WG1349125
Chlorobenzene	U		0.000674	0.00294	1.01	09/20/2019 10:10	WG1349125
Chlorodibromomethane	U		0.000529	0.00294	1.01	09/20/2019 10:10	WG1349125
Chloroethane	U		0.00127	0.00588	1.01	09/20/2019 10:10	WG1349125
Chloroform	U		0.000488	0.00294	1.01	09/20/2019 10:10	WG1349125
Chloromethane	U		0.00163	0.0147	1.01	09/20/2019 10:10	WG1349125
2-Chlorotoluene	U		0.00108	0.00294	1.01	09/20/2019 10:10	WG1349125
4-Chlorotoluene	U		0.00133	0.00588	1.01	09/20/2019 10:10	WG1349125
1,2-Dibromo-3-Chloropropane	U	J0	0.00600	0.0294	1.01	09/20/2019 10:10	WG1349125
1,2-Dibromoethane	U		0.000617	0.00294	1.01	09/20/2019 10:10	WG1349125
Dibromomethane	U		0.00118	0.00588	1.01	09/20/2019 10:10	WG1349125
1,2-Dichlorobenzene	U		0.00170	0.00588	1.01	09/20/2019 10:10	WG1349125
1,3-Dichlorobenzene	U		0.00200	0.00588	1.01	09/20/2019 10:10	WG1349125
1,4-Dichlorobenzene	U		0.00232	0.00588	1.01	09/20/2019 10:10	WG1349125
Dichlorodifluoromethane	U		0.000962	0.00294	1.01	09/20/2019 10:10	WG1349125
1,1-Dichloroethane	U		0.000677	0.00294	1.01	09/20/2019 10:10	WG1349125
1,2-Dichloroethane	U		0.000559	0.00294	1.01	09/20/2019 10:10	WG1349125
1,1-Dichloroethene	0.00307		0.000588	0.00294	1.01	09/20/2019 10:10	WG1349125
cis-1,2-Dichloroethene	2.47		0.000812	0.00294	1.01	09/20/2019 10:10	WG1349125
trans-1,2-Dichloroethene	0.0113		0.00168	0.00588	1.01	09/20/2019 10:10	WG1349125
1,2-Dichloropropane	U		0.00149	0.00588	1.01	09/20/2019 10:10	WG1349125
1,1-Dichloropropene	U		0.000823	0.00294	1.01	09/20/2019 10:10	WG1349125
1,3-Dichloropropane	U		0.00206	0.00588	1.01	09/20/2019 10:10	WG1349125
cis-1,3-Dichloropropene	U		0.000798	0.00294	1.01	09/20/2019 10:10	WG1349125
trans-1,3-Dichloropropene	U		0.00179	0.00588	1.01	09/20/2019 10:10	WG1349125
trans-1,4-Dichloro-2-butene	U		0.00164	0.00588	1.01	09/20/2019 10:10	WG1349125
2,2-Dichloropropane	U		0.000933	0.00294	1.01	09/20/2019 10:10	WG1349125
Di-isopropyl ether	U		0.000412	0.00118	1.01	09/20/2019 10:10	WG1349125
Ethylbenzene	U		0.000623	0.00294	1.01	09/20/2019 10:10	WG1349125
Hexachloro-1,3-butadiene	U		0.0149	0.0294	1.01	09/20/2019 10:10	WG1349125
2-Hexanone	U		0.0118	0.0294	1.01	09/20/2019 10:10	WG1349125
n-Hexane	U		0.00125	0.00588	1.01	09/20/2019 10:10	WG1349125
Iodomethane	U		0.00712	0.0147	1.01	09/20/2019 10:10	WG1349125
Isopropylbenzene	U		0.00102	0.00294	1.01	09/20/2019 10:10	WG1349125
p-Isopropyltoluene	U		0.00274	0.00588	1.01	09/20/2019 10:10	WG1349125
2-Butanone (MEK)	0.0251	B J	0.0147	0.0294	1.01	09/20/2019 10:10	WG1349125
Methylene Chloride	0.0111	J	0.00781	0.0294	1.01	09/20/2019 10:10	WG1349125
4-Methyl-2-pentanone (MIBK)	U		0.0118	0.0294	1.01	09/20/2019 10:10	WG1349125

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000347	0.00118	1.01	09/20/2019 10:10	WG1349125
Naphthalene	U		0.00367	0.0147	1.01	09/20/2019 10:10	WG1349125
n-Propylbenzene	U		0.00139	0.00588	1.01	09/20/2019 10:10	WG1349125
Styrene	U		0.00321	0.0147	1.01	09/20/2019 10:10	WG1349125
1,1,1,2-Tetrachloroethane	U		0.000588	0.00294	1.01	09/20/2019 10:10	WG1349125
1,1,2,2-Tetrachloroethane	U		0.000459	0.00294	1.01	09/20/2019 10:10	WG1349125
1,1,2-Trichlorotrifluoroethane	U		0.000794	0.00294	1.01	09/20/2019 10:10	WG1349125
Tetrachloroethene	0.0115		0.000823	0.00294	1.01	09/20/2019 10:10	WG1349125
Toluene	0.0132		0.00147	0.00588	1.01	09/20/2019 10:10	WG1349125
1,2,3-Trichlorobenzene	U		0.000735	0.00294	1.01	09/20/2019 10:10	WG1349125
1,2,4-Trichlorobenzene	U		0.00567	0.0147	1.01	09/20/2019 10:10	WG1349125
1,1,1-Trichloroethane	U		0.000324	0.00294	1.01	09/20/2019 10:10	WG1349125
1,1,2-Trichloroethane	U		0.00104	0.00294	1.01	09/20/2019 10:10	WG1349125
Trichloroethene	0.0441		0.000471	0.00118	1.01	09/20/2019 10:10	WG1349125
Trichlorofluoromethane	U		0.000588	0.00294	1.01	09/20/2019 10:10	WG1349125
1,2,3-Trichloropropane	U		0.00600	0.0147	1.01	09/20/2019 10:10	WG1349125
1,2,4-Trimethylbenzene	U		0.00136	0.00588	1.01	09/20/2019 10:10	WG1349125
1,2,3-Trimethylbenzene	U		0.00135	0.00588	1.01	09/20/2019 10:10	WG1349125
1,3,5-Trimethylbenzene	U		0.00127	0.00588	1.01	09/20/2019 10:10	WG1349125
Vinyl acetate	U		0.00415	0.0147	1.01	09/20/2019 10:10	WG1349125
Vinyl chloride	0.0467		0.000804	0.00294	1.01	09/20/2019 10:10	WG1349125
Xylenes, Total	U		0.00563	0.00765	1.01	09/20/2019 10:10	WG1349125
(S) Toluene-d8	*106*			*75.0-131*		*09/20/2019 10:10*	WG1349125
(S) 4-Bromofluorobenzene	*99.2*			*67.0-138*		*09/20/2019 10:10*	WG1349125
(S) 1,2-Dichloroethane-d4	*93.2*			*70.0-130*		*09/20/2019 10:10*	WG1349125

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.5		1	09/19/2019 20:22	WG1349077

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0383		0.0170	0.0310	1.06	09/20/2019 10:32	WG1349125
Acrylonitrile	U		0.00235	0.0155	1.06	09/20/2019 10:32	WG1349125
Benzene	0.00121	J	0.000496	0.00124	1.06	09/20/2019 10:32	WG1349125
Bromobenzene	U		0.00130	0.0155	1.06	09/20/2019 10:32	WG1349125
Bromodichloromethane	U		0.000977	0.00310	1.06	09/20/2019 10:32	WG1349125
Bromochloromethane	U		0.00140	0.00620	1.06	09/20/2019 10:32	WG1349125
Bromoform	U		0.00742	0.0310	1.06	09/20/2019 10:32	WG1349125
Bromomethane	U		0.00459	0.0155	1.06	09/20/2019 10:32	WG1349125
n-Butylbenzene	U		0.00476	0.0155	1.06	09/20/2019 10:32	WG1349125
sec-Butylbenzene	U		0.00314	0.0155	1.06	09/20/2019 10:32	WG1349125
tert-Butylbenzene	U		0.00192	0.00620	1.06	09/20/2019 10:32	WG1349125
Carbon disulfide	U		0.00503	0.0155	1.06	09/20/2019 10:32	WG1349125
Carbon tetrachloride	U		0.00133	0.00620	1.06	09/20/2019 10:32	WG1349125
Chlorobenzene	U		0.000710	0.00310	1.06	09/20/2019 10:32	WG1349125
Chlorodibromomethane	U		0.000558	0.00310	1.06	09/20/2019 10:32	WG1349125
Chloroethane	U		0.00133	0.00620	1.06	09/20/2019 10:32	WG1349125
Chloroform	U		0.000515	0.00310	1.06	09/20/2019 10:32	WG1349125
Chloromethane	U		0.00172	0.0155	1.06	09/20/2019 10:32	WG1349125
2-Chlorotoluene	U		0.00114	0.00310	1.06	09/20/2019 10:32	WG1349125
4-Chlorotoluene	U		0.00140	0.00620	1.06	09/20/2019 10:32	WG1349125
1,2-Dibromo-3-Chloropropane	U	J0	0.00633	0.0310	1.06	09/20/2019 10:32	WG1349125
1,2-Dibromoethane	U		0.000651	0.00310	1.06	09/20/2019 10:32	WG1349125
Dibromomethane	U		0.00124	0.00620	1.06	09/20/2019 10:32	WG1349125
1,2-Dichlorobenzene	U		0.00180	0.00620	1.06	09/20/2019 10:32	WG1349125
1,3-Dichlorobenzene	U		0.00211	0.00620	1.06	09/20/2019 10:32	WG1349125
1,4-Dichlorobenzene	U		0.00245	0.00620	1.06	09/20/2019 10:32	WG1349125
Dichlorodifluoromethane	U		0.00101	0.00310	1.06	09/20/2019 10:32	WG1349125
1,1-Dichloroethane	U		0.000714	0.00310	1.06	09/20/2019 10:32	WG1349125
1,2-Dichloroethane	U		0.000590	0.00310	1.06	09/20/2019 10:32	WG1349125
1,1-Dichloroethene	0.00188	J	0.000620	0.00310	1.06	09/20/2019 10:32	WG1349125
cis-1,2-Dichloroethene	2.15		0.000855	0.00310	1.06	09/20/2019 10:32	WG1349125
trans-1,2-Dichloroethene	0.00850		0.00178	0.00620	1.06	09/20/2019 10:32	WG1349125
1,2-Dichloropropane	U		0.00158	0.00620	1.06	09/20/2019 10:32	WG1349125
1,1-Dichloropropene	U		0.000868	0.00310	1.06	09/20/2019 10:32	WG1349125
1,3-Dichloropropane	U		0.00218	0.00620	1.06	09/20/2019 10:32	WG1349125
cis-1,3-Dichloropropene	U		0.000841	0.00310	1.06	09/20/2019 10:32	WG1349125
trans-1,3-Dichloropropene	U		0.00190	0.00620	1.06	09/20/2019 10:32	WG1349125
trans-1,4-Dichloro-2-butene	U		0.00173	0.00620	1.06	09/20/2019 10:32	WG1349125
2,2-Dichloropropane	U		0.000983	0.00310	1.06	09/20/2019 10:32	WG1349125
Di-isopropyl ether	U		0.000434	0.00124	1.06	09/20/2019 10:32	WG1349125
Ethylbenzene	U		0.000658	0.00310	1.06	09/20/2019 10:32	WG1349125
Hexachloro-1,3-butadiene	U		0.0158	0.0310	1.06	09/20/2019 10:32	WG1349125
2-Hexanone	U		0.0124	0.0310	1.06	09/20/2019 10:32	WG1349125
n-Hexane	U		0.00131	0.00620	1.06	09/20/2019 10:32	WG1349125
Iodomethane	U		0.00750	0.0155	1.06	09/20/2019 10:32	WG1349125
Isopropylbenzene	U		0.00107	0.00310	1.06	09/20/2019 10:32	WG1349125
p-Isopropyltoluene	U		0.00289	0.00620	1.06	09/20/2019 10:32	WG1349125
2-Butanone (MEK)	0.0256	B J	0.0154	0.0310	1.06	09/20/2019 10:32	WG1349125
Methylene Chloride	0.00894	J	0.00824	0.0310	1.06	09/20/2019 10:32	WG1349125
4-Methyl-2-pentanone (MIBK)	U		0.0124	0.0310	1.06	09/20/2019 10:32	WG1349125

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000366	0.00124	1.06	09/20/2019 10:32	WG1349125
Naphthalene	U		0.00387	0.0155	1.06	09/20/2019 10:32	WG1349125
n-Propylbenzene	U		0.00146	0.00620	1.06	09/20/2019 10:32	WG1349125
Styrene	U		0.00338	0.0155	1.06	09/20/2019 10:32	WG1349125
1,1,1,2-Tetrachloroethane	U		0.000620	0.00310	1.06	09/20/2019 10:32	WG1349125
1,1,2,2-Tetrachloroethane	U		0.000483	0.00310	1.06	09/20/2019 10:32	WG1349125
1,1,2-Trichlorotrifluoroethane	U		0.000838	0.00310	1.06	09/20/2019 10:32	WG1349125
Tetrachloroethene	0.00674		0.000868	0.00310	1.06	09/20/2019 10:32	WG1349125
Toluene	0.00820		0.00154	0.00620	1.06	09/20/2019 10:32	WG1349125
1,2,3-Trichlorobenzene	U		0.000775	0.00310	1.06	09/20/2019 10:32	WG1349125
1,2,4-Trichlorobenzene	U		0.00598	0.0155	1.06	09/20/2019 10:32	WG1349125
1,1,1-Trichloroethane	U		0.000342	0.00310	1.06	09/20/2019 10:32	WG1349125
1,1,2-Trichloroethane	U		0.00110	0.00310	1.06	09/20/2019 10:32	WG1349125
Trichloroethene	0.0806		0.000496	0.00124	1.06	09/20/2019 10:32	WG1349125
Trichlorofluoromethane	U		0.000620	0.00310	1.06	09/20/2019 10:32	WG1349125
1,2,3-Trichloropropane	U		0.00633	0.0155	1.06	09/20/2019 10:32	WG1349125
1,2,4-Trimethylbenzene	U		0.00144	0.00620	1.06	09/20/2019 10:32	WG1349125
1,2,3-Trimethylbenzene	U		0.00143	0.00620	1.06	09/20/2019 10:32	WG1349125
1,3,5-Trimethylbenzene	U		0.00133	0.00620	1.06	09/20/2019 10:32	WG1349125
Vinyl acetate	U		0.00437	0.0155	1.06	09/20/2019 10:32	WG1349125
Vinyl chloride	0.0218		0.000847	0.00310	1.06	09/20/2019 10:32	WG1349125
Xylenes, Total	U		0.00593	0.00806	1.06	09/20/2019 10:32	WG1349125
(S) Toluene-d8	*105*			*75.0-131*		*09/20/2019 10:32*	WG1349125
(S) 4-Bromofluorobenzene	*96.2*			*67.0-138*		*09/20/2019 10:32*	WG1349125
(S) 1,2-Dichloroethane-d4	*95.6*			*70.0-130*		*09/20/2019 10:32*	WG1349125

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.7		1	09/19/2019 20:22	WG1349077

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0359		0.0172	0.0314	1	09/20/2019 10:54	WG1349125
Acrylonitrile	U		0.00238	0.0157	1	09/20/2019 10:54	WG1349125
Benzene	0.000555	J	0.000502	0.00125	1	09/20/2019 10:54	WG1349125
Bromobenzene	U		0.00132	0.0157	1	09/20/2019 10:54	WG1349125
Bromodichloromethane	U		0.000988	0.00314	1	09/20/2019 10:54	WG1349125
Bromochloromethane	U		0.00142	0.00627	1	09/20/2019 10:54	WG1349125
Bromoform	U		0.00750	0.0314	1	09/20/2019 10:54	WG1349125
Bromomethane	U		0.00464	0.0157	1	09/20/2019 10:54	WG1349125
n-Butylbenzene	U		0.00482	0.0157	1	09/20/2019 10:54	WG1349125
sec-Butylbenzene	U		0.00317	0.0157	1	09/20/2019 10:54	WG1349125
tert-Butylbenzene	U		0.00194	0.00627	1	09/20/2019 10:54	WG1349125
Carbon disulfide	U		0.00509	0.0157	1	09/20/2019 10:54	WG1349125
Carbon tetrachloride	U		0.00135	0.00627	1	09/20/2019 10:54	WG1349125
Chlorobenzene	U		0.000719	0.00314	1	09/20/2019 10:54	WG1349125
Chlorodibromomethane	U		0.000564	0.00314	1	09/20/2019 10:54	WG1349125
Chloroethane	U		0.00135	0.00627	1	09/20/2019 10:54	WG1349125
Chloroform	U		0.000520	0.00314	1	09/20/2019 10:54	WG1349125
Chloromethane	U		0.00174	0.0157	1	09/20/2019 10:54	WG1349125
2-Chlorotoluene	U		0.00115	0.00314	1	09/20/2019 10:54	WG1349125
4-Chlorotoluene	U		0.00142	0.00627	1	09/20/2019 10:54	WG1349125
1,2-Dibromo-3-Chloropropane	U	J0	0.00640	0.0314	1	09/20/2019 10:54	WG1349125
1,2-Dibromoethane	U		0.000658	0.00314	1	09/20/2019 10:54	WG1349125
Dibromomethane	U		0.00125	0.00627	1	09/20/2019 10:54	WG1349125
1,2-Dichlorobenzene	U		0.00182	0.00627	1	09/20/2019 10:54	WG1349125
1,3-Dichlorobenzene	U		0.00213	0.00627	1	09/20/2019 10:54	WG1349125
1,4-Dichlorobenzene	U		0.00247	0.00627	1	09/20/2019 10:54	WG1349125
Dichlorodifluoromethane	U		0.00103	0.00314	1	09/20/2019 10:54	WG1349125
1,1-Dichloroethane	U		0.000721	0.00314	1	09/20/2019 10:54	WG1349125
1,2-Dichloroethane	U		0.000596	0.00314	1	09/20/2019 10:54	WG1349125
1,1-Dichloroethene	0.00111	J	0.000627	0.00314	1	09/20/2019 10:54	WG1349125
cis-1,2-Dichloroethene	1.47		0.000865	0.00314	1	09/20/2019 10:54	WG1349125
trans-1,2-Dichloroethene	0.00586	J	0.00179	0.00627	1	09/20/2019 10:54	WG1349125
1,2-Dichloropropane	U		0.00159	0.00627	1	09/20/2019 10:54	WG1349125
1,1-Dichloropropene	U		0.000878	0.00314	1	09/20/2019 10:54	WG1349125
1,3-Dichloropropane	U		0.00219	0.00627	1	09/20/2019 10:54	WG1349125
cis-1,3-Dichloropropene	U		0.000850	0.00314	1	09/20/2019 10:54	WG1349125
trans-1,3-Dichloropropene	U		0.00192	0.00627	1	09/20/2019 10:54	WG1349125
trans-1,4-Dichloro-2-butene	U		0.00176	0.00627	1	09/20/2019 10:54	WG1349125
2,2-Dichloropropane	U		0.000994	0.00314	1	09/20/2019 10:54	WG1349125
Di-isopropyl ether	U		0.000439	0.00125	1	09/20/2019 10:54	WG1349125
Ethylbenzene	U		0.000665	0.00314	1	09/20/2019 10:54	WG1349125
Hexachloro-1,3-butadiene	U		0.0159	0.0314	1	09/20/2019 10:54	WG1349125
2-Hexanone	U		0.0125	0.0314	1	09/20/2019 10:54	WG1349125
n-Hexane	U		0.00133	0.00627	1	09/20/2019 10:54	WG1349125
Iodomethane	U		0.00759	0.0157	1	09/20/2019 10:54	WG1349125
Isopropylbenzene	U		0.00108	0.00314	1	09/20/2019 10:54	WG1349125
p-Isopropyltoluene	U		0.00292	0.00627	1	09/20/2019 10:54	WG1349125
2-Butanone (MEK)	0.0230	B J	0.0157	0.0314	1	09/20/2019 10:54	WG1349125
Methylene Chloride	U		0.00833	0.0314	1	09/20/2019 10:54	WG1349125
4-Methyl-2-pentanone (MIBK)	U		0.0125	0.0314	1	09/20/2019 10:54	WG1349125

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000370	0.00125	1	09/20/2019 10:54	WG1349125
Naphthalene	U		0.00391	0.0157	1	09/20/2019 10:54	WG1349125
n-Propylbenzene	U		0.00148	0.00627	1	09/20/2019 10:54	WG1349125
Styrene	U		0.00342	0.0157	1	09/20/2019 10:54	WG1349125
1,1,1,2-Tetrachloroethane	U		0.000627	0.00314	1	09/20/2019 10:54	WG1349125
1,1,2,2-Tetrachloroethane	U		0.000489	0.00314	1	09/20/2019 10:54	WG1349125
1,1,2-Trichlorotrifluoroethane	U		0.000847	0.00314	1	09/20/2019 10:54	WG1349125
Tetrachloroethene	0.0516		0.000878	0.00314	1	09/20/2019 10:54	WG1349125
Toluene	0.00848		0.00157	0.00627	1	09/20/2019 10:54	WG1349125
1,2,3-Trichlorobenzene	U		0.000784	0.00314	1	09/20/2019 10:54	WG1349125
1,2,4-Trichlorobenzene	U		0.00604	0.0157	1	09/20/2019 10:54	WG1349125
1,1,1-Trichloroethane	U		0.000345	0.00314	1	09/20/2019 10:54	WG1349125
1,1,2-Trichloroethane	U		0.00111	0.00314	1	09/20/2019 10:54	WG1349125
Trichloroethene	0.0194		0.000502	0.00125	1	09/20/2019 10:54	WG1349125
Trichlorofluoromethane	U		0.000627	0.00314	1	09/20/2019 10:54	WG1349125
1,2,3-Trichloropropane	U		0.00640	0.0157	1	09/20/2019 10:54	WG1349125
1,2,4-Trimethylbenzene	U		0.00145	0.00627	1	09/20/2019 10:54	WG1349125
1,2,3-Trimethylbenzene	U		0.00144	0.00627	1	09/20/2019 10:54	WG1349125
1,3,5-Trimethylbenzene	U		0.00135	0.00627	1	09/20/2019 10:54	WG1349125
Vinyl acetate	U		0.00441	0.0157	1	09/20/2019 10:54	WG1349125
Vinyl chloride	0.00486		0.000857	0.00314	1	09/20/2019 10:54	WG1349125
Xylenes, Total	U		0.00599	0.00815	1	09/20/2019 10:54	WG1349125
(S) Toluene-d8	*107*			*75.0-131*		*09/20/2019 10:54*	WG1349125
(S) 4-Bromofluorobenzene	*96.8*			*67.0-138*		*09/20/2019 10:54*	WG1349125
(S) 1,2-Dichloroethane-d4	*95.2*			*70.0-130*		*09/20/2019 10:54*	WG1349125

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.9		1	09/19/2019 20:22	WG1349077

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0508		0.0171	0.0313	1	09/20/2019 11:14	WG1349125
Acrylonitrile	U		0.00238	0.0156	1	09/20/2019 11:14	WG1349125
Benzene	0.000689	J	0.000501	0.00125	1	09/20/2019 11:14	WG1349125
Bromobenzene	U		0.00131	0.0156	1	09/20/2019 11:14	WG1349125
Bromodichloromethane	U		0.000986	0.00313	1	09/20/2019 11:14	WG1349125
Bromochloromethane	U		0.00141	0.00626	1	09/20/2019 11:14	WG1349125
Bromoform	U		0.00748	0.0313	1	09/20/2019 11:14	WG1349125
Bromomethane	U		0.00463	0.0156	1	09/20/2019 11:14	WG1349125
n-Butylbenzene	U		0.00481	0.0156	1	09/20/2019 11:14	WG1349125
sec-Butylbenzene	U		0.00317	0.0156	1	09/20/2019 11:14	WG1349125
tert-Butylbenzene	U		0.00194	0.00626	1	09/20/2019 11:14	WG1349125
Carbon disulfide	U		0.00508	0.0156	1	09/20/2019 11:14	WG1349125
Carbon tetrachloride	U		0.00135	0.00626	1	09/20/2019 11:14	WG1349125
Chlorobenzene	U		0.000717	0.00313	1	09/20/2019 11:14	WG1349125
Chlorodibromomethane	U		0.000563	0.00313	1	09/20/2019 11:14	WG1349125
Chloroethane	U		0.00135	0.00626	1	09/20/2019 11:14	WG1349125
Chloroform	U		0.000519	0.00313	1	09/20/2019 11:14	WG1349125
Chloromethane	U		0.00174	0.0156	1	09/20/2019 11:14	WG1349125
2-Chlorotoluene	U		0.00115	0.00313	1	09/20/2019 11:14	WG1349125
4-Chlorotoluene	U		0.00141	0.00626	1	09/20/2019 11:14	WG1349125
1,2-Dibromo-3-Chloropropane	U	J0	0.00638	0.0313	1	09/20/2019 11:14	WG1349125
1,2-Dibromoethane	U		0.000657	0.00313	1	09/20/2019 11:14	WG1349125
Dibromomethane	U		0.00125	0.00626	1	09/20/2019 11:14	WG1349125
1,2-Dichlorobenzene	U		0.00181	0.00626	1	09/20/2019 11:14	WG1349125
1,3-Dichlorobenzene	U		0.00213	0.00626	1	09/20/2019 11:14	WG1349125
1,4-Dichlorobenzene	U		0.00247	0.00626	1	09/20/2019 11:14	WG1349125
Dichlorodifluoromethane	U		0.00102	0.00313	1	09/20/2019 11:14	WG1349125
1,1-Dichloroethane	U		0.000720	0.00313	1	09/20/2019 11:14	WG1349125
1,2-Dichloroethane	U		0.000594	0.00313	1	09/20/2019 11:14	WG1349125
1,1-Dichloroethene	0.00232	J	0.000626	0.00313	1	09/20/2019 11:14	WG1349125
cis-1,2-Dichloroethene	2.01		0.000863	0.00313	1	09/20/2019 11:14	WG1349125
trans-1,2-Dichloroethene	0.00696		0.00179	0.00626	1	09/20/2019 11:14	WG1349125
1,2-Dichloropropane	U		0.00159	0.00626	1	09/20/2019 11:14	WG1349125
1,1-Dichloropropene	U		0.000876	0.00313	1	09/20/2019 11:14	WG1349125
1,3-Dichloropropane	U		0.00219	0.00626	1	09/20/2019 11:14	WG1349125
cis-1,3-Dichloropropene	U		0.000848	0.00313	1	09/20/2019 11:14	WG1349125
trans-1,3-Dichloropropene	U		0.00191	0.00626	1	09/20/2019 11:14	WG1349125
trans-1,4-Dichloro-2-butene	U		0.00175	0.00626	1	09/20/2019 11:14	WG1349125
2,2-Dichloropropane	U		0.000992	0.00313	1	09/20/2019 11:14	WG1349125
Di-isopropyl ether	U		0.000438	0.00125	1	09/20/2019 11:14	WG1349125
Ethylbenzene	U		0.000663	0.00313	1	09/20/2019 11:14	WG1349125
Hexachloro-1,3-butadiene	U		0.0159	0.0313	1	09/20/2019 11:14	WG1349125
2-Hexanone	U		0.0125	0.0313	1	09/20/2019 11:14	WG1349125
n-Hexane	U		0.00133	0.00626	1	09/20/2019 11:14	WG1349125
Iodomethane	U		0.00757	0.0156	1	09/20/2019 11:14	WG1349125
Isopropylbenzene	U		0.00108	0.00313	1	09/20/2019 11:14	WG1349125
p-Isopropyltoluene	U		0.00292	0.00626	1	09/20/2019 11:14	WG1349125
2-Butanone (MEK)	0.0282	B J	0.0156	0.0313	1	09/20/2019 11:14	WG1349125
Methylene Chloride	0.0112	J	0.00831	0.0313	1	09/20/2019 11:14	WG1349125
4-Methyl-2-pentanone (MIBK)	U		0.0125	0.0313	1	09/20/2019 11:14	WG1349125

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000369	0.00125	1	09/20/2019 11:14	WG1349125
Naphthalene	U		0.00390	0.0156	1	09/20/2019 11:14	WG1349125
n-Propylbenzene	U		0.00148	0.00626	1	09/20/2019 11:14	WG1349125
Styrene	U		0.00342	0.0156	1	09/20/2019 11:14	WG1349125
1,1,1,2-Tetrachloroethane	U		0.000626	0.00313	1	09/20/2019 11:14	WG1349125
1,1,2,2-Tetrachloroethane	U		0.000488	0.00313	1	09/20/2019 11:14	WG1349125
1,1,2-Trichlorotrifluoroethane	U		0.000845	0.00313	1	09/20/2019 11:14	WG1349125
Tetrachloroethene	U		0.000876	0.00313	1	09/20/2019 11:14	WG1349125
Toluene	0.0129		0.00156	0.00626	1	09/20/2019 11:14	WG1349125
1,2,3-Trichlorobenzene	U		0.000782	0.00313	1	09/20/2019 11:14	WG1349125
1,2,4-Trichlorobenzene	U		0.00603	0.0156	1	09/20/2019 11:14	WG1349125
1,1,1-Trichloroethane	U		0.000344	0.00313	1	09/20/2019 11:14	WG1349125
1,1,2-Trichloroethane	U		0.00111	0.00313	1	09/20/2019 11:14	WG1349125
Trichloroethene	U		0.000501	0.00125	1	09/20/2019 11:14	WG1349125
Trichlorofluoromethane	U		0.000626	0.00313	1	09/20/2019 11:14	WG1349125
1,2,3-Trichloropropane	U		0.00638	0.0156	1	09/20/2019 11:14	WG1349125
1,2,4-Trimethylbenzene	U		0.00145	0.00626	1	09/20/2019 11:14	WG1349125
1,2,3-Trimethylbenzene	U		0.00144	0.00626	1	09/20/2019 11:14	WG1349125
1,3,5-Trimethylbenzene	U		0.00135	0.00626	1	09/20/2019 11:14	WG1349125
Vinyl acetate	U		0.00440	0.0156	1	09/20/2019 11:14	WG1349125
Vinyl chloride	0.0106		0.000855	0.00313	1	09/20/2019 11:14	WG1349125
Xylenes, Total	U		0.00598	0.00813	1	09/20/2019 11:14	WG1349125
(S) Toluene-d8	*106*			*75.0-131*		*09/20/2019 11:14*	WG1349125
(S) 4-Bromofluorobenzene	*97.3*			*67.0-138*		*09/20/2019 11:14*	WG1349125
(S) 1,2-Dichloroethane-d4	*97.6*			*70.0-130*		*09/20/2019 11:14*	WG1349125

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	09/20/2019 14:13	WG1348964
Acrylonitrile	U	J0	0.873	5.00	1	09/19/2019 05:25	WG1348450
Benzene	U		0.0896	0.500	1	09/19/2019 05:25	WG1348450
Bromobenzene	U		0.133	0.500	1	09/19/2019 05:25	WG1348450
Bromodichloromethane	U		0.0800	0.500	1	09/19/2019 05:25	WG1348450
Bromochloromethane	U		0.145	0.500	1	09/19/2019 05:25	WG1348450
Bromoform	U		0.186	0.500	1	09/19/2019 05:25	WG1348450
Bromomethane	U		0.157	2.50	1	09/19/2019 05:25	WG1348450
n-Butylbenzene	U		0.143	0.500	1	09/19/2019 05:25	WG1348450
sec-Butylbenzene	U		0.134	0.500	1	09/19/2019 05:25	WG1348450
tert-Butylbenzene	U		0.183	0.500	1	09/19/2019 05:25	WG1348450
Carbon disulfide	U		0.101	0.500	1	09/19/2019 05:25	WG1348450
Carbon tetrachloride	U		0.159	0.500	1	09/19/2019 05:25	WG1348450
Chlorobenzene	U		0.140	0.500	1	09/19/2019 05:25	WG1348450
Chlorodibromomethane	U		0.128	0.500	1	09/19/2019 05:25	WG1348450
Chloroethane	U		0.141	2.50	1	09/19/2019 05:25	WG1348450
Chloroform	U		0.0860	0.500	1	09/19/2019 05:25	WG1348450
Chloromethane	U		0.153	1.25	1	09/19/2019 05:25	WG1348450
2-Chlorotoluene	U		0.111	0.500	1	09/19/2019 05:25	WG1348450
4-Chlorotoluene	U		0.0972	0.500	1	09/19/2019 05:25	WG1348450
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/19/2019 05:25	WG1348450
1,2-Dibromoethane	U		0.193	0.500	1	09/19/2019 05:25	WG1348450
Dibromomethane	U		0.117	0.500	1	09/19/2019 05:25	WG1348450
1,2-Dichlorobenzene	U		0.101	0.500	1	09/19/2019 05:25	WG1348450
1,3-Dichlorobenzene	U		0.130	0.500	1	09/19/2019 05:25	WG1348450
1,4-Dichlorobenzene	U		0.121	0.500	1	09/19/2019 05:25	WG1348450
Dichlorodifluoromethane	U		0.127	2.50	1	09/19/2019 05:25	WG1348450
1,1-Dichloroethane	U		0.114	0.500	1	09/19/2019 05:25	WG1348450
1,2-Dichloroethane	U		0.108	0.500	1	09/19/2019 05:25	WG1348450
1,1-Dichloroethene	U		0.188	0.500	1	09/19/2019 05:25	WG1348450
cis-1,2-Dichloroethene	U		0.0933	0.500	1	09/19/2019 05:25	WG1348450
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/19/2019 05:25	WG1348450
1,2-Dichloropropane	U		0.190	0.500	1	09/19/2019 05:25	WG1348450
1,1-Dichloropropene	U		0.128	0.500	1	09/19/2019 05:25	WG1348450
1,3-Dichloropropane	U		0.147	1.00	1	09/19/2019 05:25	WG1348450
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/19/2019 05:25	WG1348450
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/19/2019 05:25	WG1348450
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	09/19/2019 05:25	WG1348450
2,2-Dichloropropane	U		0.0929	0.500	1	09/19/2019 05:25	WG1348450
Di-isopropyl ether	U		0.0924	0.500	1	09/19/2019 05:25	WG1348450
Ethylbenzene	U		0.158	0.500	1	09/19/2019 05:25	WG1348450
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/19/2019 05:25	WG1348450
2-Hexanone	U		0.757	5.00	1	09/19/2019 05:25	WG1348450
n-Hexane	U		0.305	5.00	1	09/19/2019 05:25	WG1348450
Iodomethane	U		0.377	10.0	1	09/19/2019 05:25	WG1348450
Isopropylbenzene	U		0.126	0.500	1	09/19/2019 05:25	WG1348450
p-Isopropyltoluene	U		0.138	0.500	1	09/19/2019 05:25	WG1348450
2-Butanone (MEK)	U		1.28	5.00	1	09/19/2019 05:25	WG1348450
Methylene Chloride	U		1.07	2.50	1	09/19/2019 05:25	WG1348450
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/19/2019 05:25	WG1348450
Methyl tert-butyl ether	U		0.102	0.500	1	09/19/2019 05:25	WG1348450
Naphthalene	U		0.174	2.50	1	09/19/2019 05:25	WG1348450
n-Propylbenzene	U		0.162	0.500	1	09/19/2019 05:25	WG1348450
Styrene	U		0.117	0.500	1	09/19/2019 05:25	WG1348450
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/19/2019 05:25	WG1348450
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/19/2019 05:25	WG1348450

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/19/2019 05:25	WG1348450
Tetrachloroethene	U		0.199	0.500	1	09/19/2019 05:25	WG1348450
Toluene	U		0.412	0.500	1	09/19/2019 05:25	WG1348450
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/19/2019 05:25	WG1348450
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/19/2019 05:25	WG1348450
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/19/2019 05:25	WG1348450
1,1,2-Trichloroethane	U		0.186	0.500	1	09/19/2019 05:25	WG1348450
Trichloroethene	U		0.153	0.500	1	09/19/2019 05:25	WG1348450
Trichlorofluoromethane	U		0.130	2.50	1	09/19/2019 05:25	WG1348450
1,2,3-Trichloropropane	U		0.247	2.50	1	09/19/2019 05:25	WG1348450
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/19/2019 05:25	WG1348450
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/19/2019 05:25	WG1348450
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/19/2019 05:25	WG1348450
Vinyl acetate	U		0.645	5.00	1	09/19/2019 05:25	WG1348450
Vinyl chloride	U		0.118	0.500	1	09/19/2019 05:25	WG1348450
Xylenes, Total	U		0.316	1.50	1	09/19/2019 05:25	WG1348450
(S) Toluene-d8	*123*	J1		*80.0-120*		*09/19/2019 05:25*	WG1348450
(S) Toluene-d8	*96.6*			*80.0-120*		*09/20/2019 14:13*	WG1348964
(S) 4-Bromofluorobenzene	*121*			*77.0-126*		*09/19/2019 05:25*	WG1348450
(S) 4-Bromofluorobenzene	*96.4*			*77.0-126*		*09/20/2019 14:13*	WG1348964
(S) 1,2-Dichloroethane-d4	*93.7*			*70.0-130*		*09/19/2019 05:25*	WG1348450
(S) 1,2-Dichloroethane-d4	*92.6*			*70.0-130*		*09/20/2019 14:13*	WG1348964

Method Blank (MB)

(MB) R3452976-1 09/19/19 20:23

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

L1139264-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1139264-15 09/19/19 20:23 • (DUP) R3452976-3 09/19/19 20:23

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	99.4	99.2	1	0.231		10

Laboratory Control Sample (LCS)

(LCS) R3452976-2 09/19/19 20:23

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

Method Blank (MB)

(MB) R3452770-1 09/19/19 20:45

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

L1139441-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1139441-13 09/19/19 20:45 • (DUP) R3452770-3 09/19/19 20:45

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	88.1	88.7	1	0.669		10

Laboratory Control Sample (LCS)

(LCS) R3452770-2 09/19/19 20:45

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

Method Blank (MB)

(MB) R3452766-1 09/19/19 20:32

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

L1139441-24 Original Sample (OS) • Duplicate (DUP)

(OS) L1139441-24 09/19/19 20:32 • (DUP) R3452766-3 09/19/19 20:32

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	83.8	83.9	1	0.126		10

Laboratory Control Sample (LCS)

(LCS) R3452766-2 09/19/19 20:32

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) R3452763-1 09/19/19 20:22

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

L1139451-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1139451-07 09/19/19 20:22 • (DUP) R3452763-3 09/19/19 20:22

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	95.1	94.9	1	0.203		10

Laboratory Control Sample (LCS)

(LCS) R3452763-2 09/19/19 20:22

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

Method Blank (MB)

(MB) R3452439-3 09/19/19 04:22

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0137	0.0250
Acrylonitrile	U		0.00190	0.0125
Benzene	U		0.000400	0.00100
Bromobenzene	U		0.00105	0.0125
Bromodichloromethane	U		0.000788	0.00250
Bromochloromethane	U		0.00113	0.00500
Bromoform	U		0.00598	0.0250
Bromomethane	U		0.00370	0.0125
n-Butylbenzene	U		0.00384	0.0125
sec-Butylbenzene	U		0.00253	0.0125
tert-Butylbenzene	U		0.00155	0.00500
Carbon disulfide	U		0.00406	0.0125
Carbon tetrachloride	U		0.00108	0.00500
Chlorobenzene	U		0.000573	0.00250
Chlorodibromomethane	U		0.000450	0.00250
Chloroethane	U		0.00108	0.00500
Chloroform	0.00152	J	0.000415	0.00250
Chloromethane	U		0.00139	0.0125
2-Chlorotoluene	U		0.000920	0.00250
4-Chlorotoluene	U		0.00113	0.00500
1,2-Dibromo-3-Chloropropane	U	J0	0.00510	0.0250
1,2-Dibromoethane	U		0.000525	0.00250
Dibromomethane	U		0.00100	0.00500
1,2-Dichlorobenzene	U		0.00145	0.00500
1,3-Dichlorobenzene	U		0.00170	0.00500
1,4-Dichlorobenzene	U		0.00197	0.00500
trans-1,4-Dichloro-2-butene	U		0.00140	0.00500
Dichlorodifluoromethane	U		0.000818	0.00250
1,1-Dichloroethane	U		0.000575	0.00250
1,2-Dichloroethane	U		0.000475	0.00250
1,1-Dichloroethene	U		0.000500	0.00250
cis-1,2-Dichloroethene	U		0.000690	0.00250
trans-1,2-Dichloroethene	U		0.00143	0.00500
1,2-Dichloropropane	U		0.00127	0.00500
1,1-Dichloropropene	U		0.000700	0.00250
1,3-Dichloropropane	U		0.00175	0.00500
cis-1,3-Dichloropropene	U		0.000678	0.00250
trans-1,3-Dichloropropene	U		0.00153	0.00500
2,2-Dichloropropane	U		0.000793	0.00250
Di-isopropyl ether	U		0.000350	0.00100

Method Blank (MB)

(MB) R3452439-3 09/19/19 04:22

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000530	0.00250
Hexachloro-1,3-butadiene	U		0.0127	0.0250
n-Hexane	U		0.00106	0.00500
2-Hexanone	U		0.0100	0.0250
Iodomethane	U		0.00605	0.0125
Isopropylbenzene	U		0.000863	0.00250
p-Isopropyltoluene	U		0.00233	0.00500
2-Butanone (MEK)	0.0134	J	0.0125	0.0250
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.0100	0.0250
Methyl tert-butyl ether	U		0.000295	0.00100
Naphthalene	U		0.00312	0.0125
n-Propylbenzene	U		0.00118	0.00500
Styrene	U		0.00273	0.0125
1,1,1,2-Tetrachloroethane	U		0.000500	0.00250
1,1,2,2-Tetrachloroethane	U		0.000390	0.00250
Tetrachloroethene	U		0.000700	0.00250
Toluene	U		0.00125	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000675	0.00250
1,2,3-Trichlorobenzene	U		0.000625	0.00250
1,2,4-Trichlorobenzene	U		0.00482	0.0125
1,1,1-Trichloroethane	U		0.000275	0.00250
1,1,2-Trichloroethane	U		0.000883	0.00250
Trichloroethene	U		0.000400	0.00100
Trichlorofluoromethane	U		0.000500	0.00250
1,2,3-Trichloropropane	U		0.00510	0.0125
1,2,3-Trimethylbenzene	U		0.00115	0.00500
1,2,4-Trimethylbenzene	U		0.00116	0.00500
1,3,5-Trimethylbenzene	U		0.00108	0.00500
Vinyl acetate	U		0.00352	0.0125
Vinyl chloride	U		0.000683	0.00250
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	*106*			*75.0-131*
(S) 4-Bromofluorobenzene	*95.4*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*94.9*			*70.0-130*

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

(LCS) R3452439-1 09/19/19 02:14 • (LCSD) R3452439-2 09/19/19 02:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.569	0.566	91.1	90.6	10.0-160			0.532	31
Acrylonitrile	0.625	0.579	0.568	92.7	90.9	45.0-153			2.00	22
Benzene	0.125	0.124	0.124	99.3	98.9	70.0-123			0.440	20
Bromobenzene	0.125	0.115	0.115	92.3	92.2	73.0-121			0.0309	20
Bromodichloromethane	0.125	0.118	0.116	94.7	92.7	73.0-121			2.20	20
Bromochloromethane	0.125	0.120	0.121	96.3	96.9	77.0-128			0.594	20
Bromoform	0.125	0.119	0.111	95.3	88.8	64.0-132			7.07	20
Bromomethane	0.125	0.132	0.133	106	106	56.0-147			0.578	20
n-Butylbenzene	0.125	0.133	0.130	106	104	68.0-135			2.60	20
sec-Butylbenzene	0.125	0.132	0.132	106	106	74.0-130			0.00583	20
tert-Butylbenzene	0.125	0.133	0.132	106	105	75.0-127			0.786	20
Carbon disulfide	0.125	0.123	0.120	98.3	96.3	56.0-133			2.04	20
Carbon tetrachloride	0.125	0.125	0.121	100	97.2	66.0-128			3.05	20
Chlorobenzene	0.125	0.128	0.124	103	99.1	76.0-128			3.60	20
Chlorodibromomethane	0.125	0.121	0.117	96.9	93.8	74.0-127			3.33	20
Chloroethane	0.125	0.129	0.130	103	104	61.0-134			0.608	20
Chloroform	0.125	0.122	0.122	97.5	97.2	72.0-123			0.295	20
Chloromethane	0.125	0.120	0.117	95.8	93.7	51.0-138			2.28	20
2-Chlorotoluene	0.125	0.129	0.129	104	104	75.0-124			0.0110	20
4-Chlorotoluene	0.125	0.119	0.118	94.9	94.7	75.0-124			0.175	20
1,2-Dibromo-3-Chloropropane	0.125	0.100	0.0994	80.0	79.5	59.0-130	J0	J0	0.527	20
1,2-Dibromoethane	0.125	0.134	0.127	107	102	74.0-128			5.20	20
Dibromomethane	0.125	0.120	0.121	96.3	97.0	75.0-122			0.722	20
1,2-Dichlorobenzene	0.125	0.132	0.131	106	105	76.0-124			0.852	20
1,3-Dichlorobenzene	0.125	0.130	0.132	104	105	76.0-125			0.826	20
1,4-Dichlorobenzene	0.125	0.128	0.126	103	101	77.0-121			1.42	20
trans-1,4-Dichloro-2-butene	0.125	0.117	0.116	93.3	93.0	45.0-143			0.259	20
Dichlorodifluoromethane	0.125	0.126	0.122	101	97.5	43.0-156			3.49	20
1,1-Dichloroethane	0.125	0.120	0.119	95.7	95.2	70.0-127			0.581	20
1,2-Dichloroethane	0.125	0.113	0.113	90.6	90.1	65.0-131			0.564	20
1,1-Dichloroethene	0.125	0.130	0.127	104	101	65.0-131			2.89	20
cis-1,2-Dichloroethene	0.125	0.122	0.123	97.9	98.7	73.0-125			0.779	20
trans-1,2-Dichloroethene	0.125	0.132	0.132	106	106	71.0-125			0.154	20
1,2-Dichloropropane	0.125	0.126	0.126	101	100	74.0-125			0.541	20
1,1-Dichloropropene	0.125	0.129	0.127	103	102	73.0-125			1.18	20
1,3-Dichloropropane	0.125	0.130	0.124	104	99.0	80.0-125			5.16	20
cis-1,3-Dichloropropene	0.125	0.126	0.125	101	99.9	76.0-127			0.807	20
trans-1,3-Dichloropropene	0.125	0.128	0.123	102	98.3	73.0-127			4.08	20
2,2-Dichloropropane	0.125	0.134	0.134	107	107	59.0-135			0.309	20
Di-isopropyl ether	0.125	0.117	0.117	93.7	93.4	60.0-136			0.255	20

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

(LCS) R3452439-1 09/19/19 02:14 • (LCSD) R3452439-2 09/19/19 02:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.125	0.134	0.126	107	101	74.0-126			5.90	20
Hexachloro-1,3-butadiene	0.125	0.139	0.142	111	114	57.0-150			2.20	20
2-Hexanone	0.625	0.590	0.568	94.4	91.0	54.0-147			3.68	20
n-Hexane	0.125	0.138	0.136	111	109	55.0-137			1.66	20
Iodomethane	0.625	0.645	0.644	103	103	74.0-134			0.224	20
Isopropylbenzene	0.125	0.132	0.127	106	102	72.0-127			3.73	20
p-Isopropyltoluene	0.125	0.135	0.133	108	106	72.0-133			1.52	20
2-Butanone (MEK)	0.625	0.547	0.542	87.5	86.7	30.0-160			1.02	24
Methylene Chloride	0.125	0.127	0.125	102	100	68.0-123			1.47	20
4-Methyl-2-pentanone (MIBK)	0.625	0.589	0.549	94.2	87.8	56.0-143			7.01	20
Methyl tert-butyl ether	0.125	0.122	0.119	97.4	95.4	66.0-132			2.08	20
Naphthalene	0.125	0.108	0.106	86.5	85.1	59.0-130			1.68	20
n-Propylbenzene	0.125	0.125	0.125	100	99.9	74.0-126			0.446	20
Styrene	0.125	0.128	0.126	103	101	72.0-127			1.93	20
1,1,1,2-Tetrachloroethane	0.125	0.132	0.125	106	99.8	74.0-129			5.94	20
1,1,2,2-Tetrachloroethane	0.125	0.118	0.116	94.7	92.6	68.0-128			2.22	20
Tetrachloroethene	0.125	0.144	0.137	115	110	70.0-136			4.86	20
Toluene	0.125	0.125	0.121	99.9	96.9	75.0-121			3.03	20
1,1,2-Trichlorotrifluoroethane	0.125	0.117	0.112	93.5	89.7	61.0-139			4.18	20
1,2,3-Trichlorobenzene	0.125	0.120	0.119	96.1	95.2	59.0-139			0.933	20
1,2,4-Trichlorobenzene	0.125	0.131	0.128	105	102	62.0-137			2.08	20
1,1,1-Trichloroethane	0.125	0.123	0.120	98.2	95.7	69.0-126			2.61	20
1,1,2-Trichloroethane	0.125	0.124	0.122	99.0	97.4	78.0-123			1.68	20
Trichloroethene	0.125	0.134	0.135	108	108	76.0-126			0.0781	20
Trichlorofluoromethane	0.125	0.122	0.119	97.8	94.9	61.0-142			3.04	20
1,2,3-Trichloropropane	0.125	0.126	0.123	101	98.5	67.0-129			2.15	20
1,2,3-Trimethylbenzene	0.125	0.123	0.121	98.2	96.6	74.0-124			1.63	20
1,2,4-Trimethylbenzene	0.125	0.122	0.122	97.8	98.0	70.0-126			0.224	20
1,3,5-Trimethylbenzene	0.125	0.128	0.126	103	101	73.0-127			1.52	20
Vinyl acetate	0.625	0.615	0.599	98.4	95.9	43.0-159			2.61	20
Vinyl chloride	0.125	0.122	0.121	97.7	96.7	63.0-134			1.01	20
Xylenes, Total	0.375	0.401	0.384	107	102	72.0-127			4.33	20
(S) Toluene-d8				*107*	*104*	*75.0-131*				
(S) 4-Bromofluorobenzene				*99.2*	*96.1*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*100*	*99.8*	*70.0-130*				

Method Blank (MB)

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

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

Method Blank (MB)

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

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

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

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

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

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

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

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

Method Blank (MB)

(MB) R3453824-2 09/23/19 21:54

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

Method Blank (MB)

(MB) R3453824-2 09/23/19 21:54

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

Laboratory Control Sample (LCS)

(LCS) R3453824-1 09/23/19 20:12

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

Laboratory Control Sample (LCS)

(LCS) R3453824-1 09/23/19 20:12

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

Method Blank (MB)

(MB) R3453926-2 09/24/19 10:37

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

Method Blank (MB)

(MB) R3453926-2 09/24/19 10:37

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

Laboratory Control Sample (LCS)

(LCS) R3453926-1 09/24/19 08:55

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

Laboratory Control Sample (LCS)

(LCS) R3453926-1 09/24/19 08:55

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

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

Method Blank (MB)

(MB) R3452518-2 09/19/19 03:41

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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
Ethylbenzene	U		0.158	0.500

Method Blank (MB)

(MB) R3452518-2 09/19/19 03:41

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	U		0.157	1.00
2-Hexanone	U		0.757	5.00
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*104*			*80.0-120*
(S) 4-Bromofluorobenzene	*90.1*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*125*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3452518-1 09/19/19 02:39

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acrylonitrile	125	96.7	77.4	55.0-149	
Benzene	25.0	24.0	96.0	70.0-123	
Bromobenzene	25.0	24.4	97.5	73.0-121	
Bromodichloromethane	25.0	24.4	97.5	75.0-120	
Bromochloromethane	25.0	24.6	98.5	76.0-122	
Bromoform	25.0	26.7	107	68.0-132	
Bromomethane	25.0	25.5	102	10.0-160	
n-Butylbenzene	25.0	24.1	96.4	73.0-125	
sec-Butylbenzene	25.0	27.9	111	75.0-125	
tert-Butylbenzene	25.0	27.5	110	76.0-124	
Carbon disulfide	25.0	24.0	95.9	61.0-128	
Carbon tetrachloride	25.0	28.1	112	68.0-126	
Chlorobenzene	25.0	25.4	101	80.0-121	
Chlorodibromomethane	25.0	26.3	105	77.0-125	
Chloroethane	25.0	23.4	93.4	47.0-150	
Chloroform	25.0	24.4	97.5	73.0-120	
Chloromethane	25.0	27.4	109	41.0-142	
2-Chlorotoluene	25.0	25.6	102	76.0-123	
4-Chlorotoluene	25.0	25.8	103	75.0-122	
1,2-Dibromo-3-Chloropropane	25.0	22.6	90.4	58.0-134	
1,2-Dibromoethane	25.0	25.9	103	80.0-122	
Dibromomethane	25.0	24.0	95.9	80.0-120	
1,2-Dichlorobenzene	25.0	25.4	102	79.0-121	
1,3-Dichlorobenzene	25.0	24.6	98.6	79.0-120	
1,4-Dichlorobenzene	25.0	24.8	99.3	79.0-120	
Dichlorodifluoromethane	25.0	30.0	120	51.0-149	
1,1-Dichloroethane	25.0	24.7	98.8	70.0-126	
1,2-Dichloroethane	25.0	22.8	91.2	70.0-128	
1,1-Dichloroethene	25.0	28.5	114	71.0-124	
cis-1,2-Dichloroethene	25.0	24.3	97.0	73.0-120	
trans-1,2-Dichloroethene	25.0	25.1	101	73.0-120	
1,2-Dichloropropane	25.0	24.4	97.6	77.0-125	
1,1-Dichloropropene	25.0	26.7	107	74.0-126	
1,3-Dichloropropane	25.0	25.0	100	80.0-120	
cis-1,3-Dichloropropene	25.0	25.8	103	80.0-123	
trans-1,3-Dichloropropene	25.0	25.2	101	78.0-124	
trans-1,4-Dichloro-2-butene	25.0	20.8	83.2	33.0-144	
2,2-Dichloropropane	25.0	24.7	98.7	58.0-130	
Di-isopropyl ether	25.0	24.9	99.6	58.0-138	
Ethylbenzene	25.0	25.6	102	79.0-123	

Laboratory Control Sample (LCS)

(LCS) R3452518-1 09/19/19 02:39

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexachloro-1,3-butadiene	25.0	27.2	109	54.0-138	
2-Hexanone	125	134	107	67.0-149	
n-Hexane	25.0	24.5	98.2	57.0-133	
Iodomethane	125	124	99.0	33.0-147	
Isopropylbenzene	25.0	28.1	113	76.0-127	
p-Isopropyltoluene	25.0	28.5	114	76.0-125	
2-Butanone (MEK)	125	119	95.3	44.0-160	
Methylene Chloride	25.0	24.3	97.1	67.0-120	
4-Methyl-2-pentanone (MIBK)	125	118	94.8	68.0-142	
Methyl tert-butyl ether	25.0	23.4	93.6	68.0-125	
Naphthalene	25.0	22.5	90.0	54.0-135	
n-Propylbenzene	25.0	26.1	104	77.0-124	
Styrene	25.0	27.1	108	73.0-130	
1,1,1,2-Tetrachloroethane	25.0	26.2	105	75.0-125	
1,1,2,2-Tetrachloroethane	25.0	23.4	93.8	65.0-130	
1,1,2-Trichlorotrifluoroethane	25.0	27.4	110	69.0-132	
Tetrachloroethene	25.0	28.6	115	72.0-132	
Toluene	25.0	25.5	102	79.0-120	
1,2,3-Trichlorobenzene	25.0	23.7	94.8	50.0-138	
1,2,4-Trichlorobenzene	25.0	25.5	102	57.0-137	
1,1,1-Trichloroethane	25.0	27.5	110	73.0-124	
1,1,2-Trichloroethane	25.0	25.0	100	80.0-120	
Trichloroethene	25.0	26.1	104	78.0-124	
Trichlorofluoromethane	25.0	27.3	109	59.0-147	
1,2,3-Trichloropropane	25.0	24.5	98.1	73.0-130	
1,2,4-Trimethylbenzene	25.0	25.4	102	76.0-121	
1,2,3-Trimethylbenzene	25.0	25.0	100	77.0-120	
1,3,5-Trimethylbenzene	25.0	25.9	104	76.0-122	
Vinyl acetate	125	101	80.5	11.0-160	
Vinyl chloride	25.0	28.1	112	67.0-131	
Xylenes, Total	75.0	74.4	99.2	79.0-123	
(S) Toluene-d8			*103*	*80.0-120*	
(S) 4-Bromofluorobenzene			*104*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*102*	*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) R3453024-3 09/20/19 12:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
(S) Toluene-d8	*98.7*			*80.0-120*
(S) 4-Bromofluorobenzene	*94.9*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*92.3*			*70.0-130*

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

(LCS) R3453024-1 09/20/19 11:28 • (LCSD) R3453024-2 09/20/19 11:48

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	125	112	108	89.6	86.4	19.0-160			3.67	27
(S) Toluene-d8				*95.0*	*102*	*80.0-120*				
(S) 4-Bromofluorobenzene				*93.7*	*99.5*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*96.8*	*96.1*	*70.0-130*				

Guide to Reading and Understanding Your Laboratory Report

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

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

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

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: The identification of the analyte is acceptable, but the reported concentration is an estimate. The calibration met method criteria.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J4	The associated batch QC was outside the established quality control range for accuracy.

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

State Accreditations

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

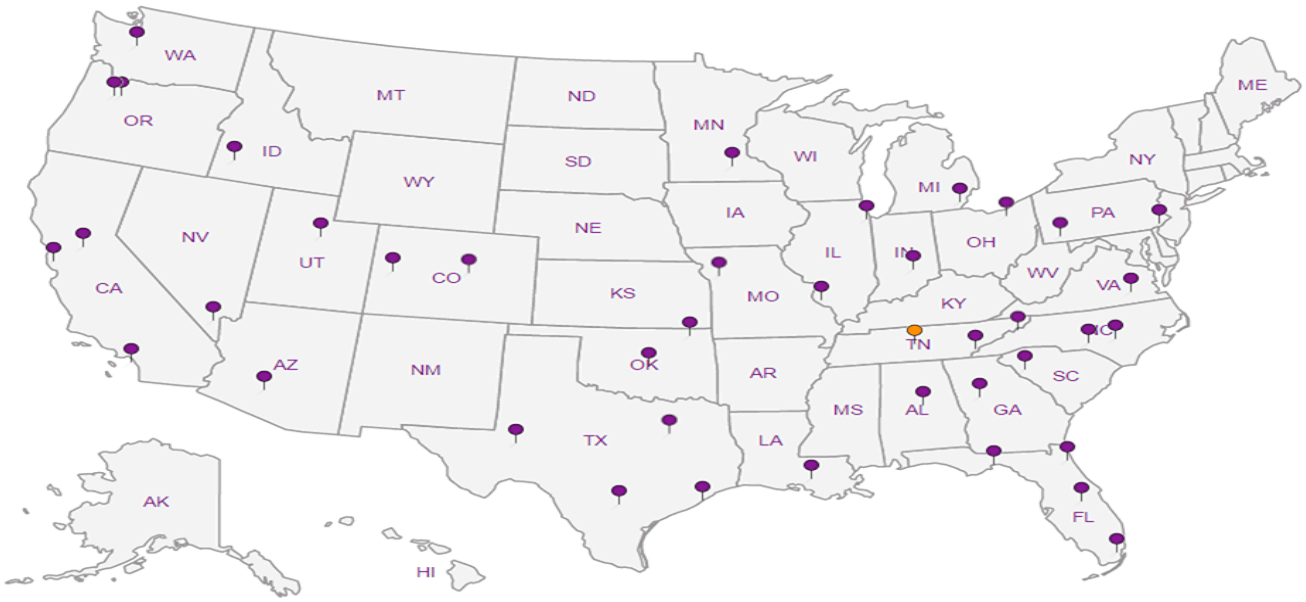
Third Party Federal Accreditations

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

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

Our Locations

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



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

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

Project Description:

City/State Collected: SEATTLE WA

Please Circle: PT MT CT ET

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

Client Project # 1413.001.02.SOIB

Lab Project # PESENVSWA-ALP

Collected by (print): R. McLAUGHLIN

Site/Facility ID # ALS

P.O. #

Collected by (signature): R. McLaughlin

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs 8260C 40mlAmb/MeOH5ml/Syr	dry weight 2ozClr-NoPres	Remarks	Sample # (lab only)
MW-314-G	GRAB	SS	G	9-13-19	1005	2	X	X		-01
MW-314-10		SS	10		1007					-02
MW-314-15		SS	15		1010					-03
MW-314-20		SS	20		1012					-04
MW-314-25		SS	25		1035					-05
MW-314-30		SS	30		1037					-06
MW-314-35		SS	35		1055					-07
MW-314-40		SS	40		1100					-08
MW-314-45		SS	45		1137					-09
MW-314-50	X	SS	50	X	1135	2	X	X		-10

Chain of Custody Page 1 of 4

Pace Analytical® National Center for Testing & Innovation

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

SDG # 113944
B198

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

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 1145 2227 4222

Sample Receipt Checklist

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
R. McLaughlin	9-13-19	1400		1	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp 4.7 °C Bottles Received:	
	9-13-19	1500		6.5-1=0.4 65	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
			Hailey Lin	9/14/19 8:45	

Chain of Custody Page 2 of 4

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

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

Project Description:

City/State Collected: SEATTLE WA

Please Circle: PT MT CT ET

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

Client Project # 1413.00/.02-SOIB

Lab Project # PESENVSWA-ALP

Collected by (print): R. McLAUGHLIN

Site/Facility ID # ALS

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs 8260C 40mlAmb/MeOH5ml/Syr	dry weight 2ozClr-NoPres	Remarks	Sample # (lab only)
MW-314-55	GRAB	SS	55	9/13/19	1140	2	X	X		-11
MW-314-60		SS	60		1142					-12
MW-314-65		SS	65		1315					-13
MW-314-70		SS	70		1320					-14
MW-314-75		SS	75		1322					-15
MW-314-80		SS	80		1325					-16
MW-2002-25		SS	25		0900					-17
MW-324-6		SS	6	9/12/19	1050					-18
MW-324-10		SS	10		1055					-19
MW-324-15		SS	15		1110	2	X	X		-20

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking #

Relinquished by : (Signature) Date: 9/13/19 Time: 1400 Received by: (Signature)

Relinquished by : (Signature) Date: 9/13/19 Time: 1501 Received by: (Signature)

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

Trip Blank Received: Yes / No HCL / MeoH TBR

Temp 2.5 °C Bottles Received: 65

Date: 9/14/19 Time: 8:45

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Sample Receipt Checklist

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

Pace Analytical® National Center for Testing & Innovation

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

SDG # 1139441

Table #

Acctnum: PESENVSWA

Template: T154694

Prelogin: P725383

PM: 110 - Brian Ford

PB: 8/21/19

Shipped Via: FedEX Ground

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

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

Project Description:

City/State Collected: SEATTLE WA

Please Circle: PT MT CT ET

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

Client Project # 1413-001-02-SOIB

Lab Project # PESENVSWA-ALP

Collected by (print): R. McLAUGHLIN

Site/Facility ID #

P.O. #

Collected by (signature): RTM

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs 8260C 40mlAmb/MeOH5ml/Syr	dry weight 2ozClr-NoPres	Remarks	Sample # (lab only)
MW-324-20	GRAB	SS	20	9/12/19	1115	2	X	X		-21
MW-324-25		SS	25		1135					-22
MW-324-30		SS	30		1140					-23
MW-324-35		SS	35		1145					-24
MW-324-40		SS	40		1150					-25
MW-324-45		SS	45		1245	2				-26
MW-324-50		SS	50		1250	1			NO JAR	-27
MW-324-55		SS	55		1255	2				-28
MW-324-60		SS	60		1300					-29
MW-324-65	X	SS	65	X	1320	2	X	X		-30

Chain of Custody Page 3 of 4

Pace Analytical® National Center for Testing & Innovation

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

SDG # 1139441

Table #

Acctnum: PESENVSWA

Template: T154694

Prelogin: P725383

PM: 110 - Brian Ford

PB: 8/21/19 MW

Shipped Via: FedEX Ground

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

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

	Date:	Time:		
Relinquished by : (Signature) RTM	9/13/19	1400	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)	9/13/19	1500	Received by: (Signature)	Temp: 4.1/2.2°C 0.5-1=0.4 Bottles Received: 65
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9/14/19 Time: 8:45

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Report to: Brian O'Neal/Bill Haldeman

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

Project Description:

City/State Collected: 1413-001-02-SOIB

Please Circle: PT MT CT ET

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

Client Project # SEATTLE WA (RM)

Lab Project # PESENVSWA-ALP

Collected by (print): R McLAUGHLIN

Site/Facility ID # ALS

P.O. #

Collected by (signature): RTM

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs 8260C 40mlAmb/MeOH5ml/Syr	dry weight 2ozClr-NoPres	Remarks	Sample # (lab only)
MW-324-70	GRAB	SS	70	9/12/19	1325	2	X	X		-31
MW-324-75		SS	75		1330	2				-32
MW-324-80	X	SS	80		1335	2		X		-33
TB-091219	—	SS	—	9/12/19	1340	1	X			-34
		SS								
		SS								
		SS			RTM 9/13/19					
		SS								
		SS								
		SS								

Chain of Custody Page 4 of 4

Pace Analytical® National Center for Testing & Innovation

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

SDG # 113944

Table #

Acctnum: PESENVSWA

Template: T154694

Prelogin: P725383

PM: 110 - Brian Ford

PB: 8/21/19 MG

Shipped Via: FedEX Ground

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

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

	Date:	Time:		
Relinquished by : (Signature) RTM	9/13/19	1400	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)	9/13/19	1500	Received by: (Signature)	Temp: 12.2 °C Bottles Received: 65
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9/14/19 Time: 8:45

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK