APPENDIX H

RI LABORATORY DATA

PART 12

L1317757-1910490

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

February 26, 2021

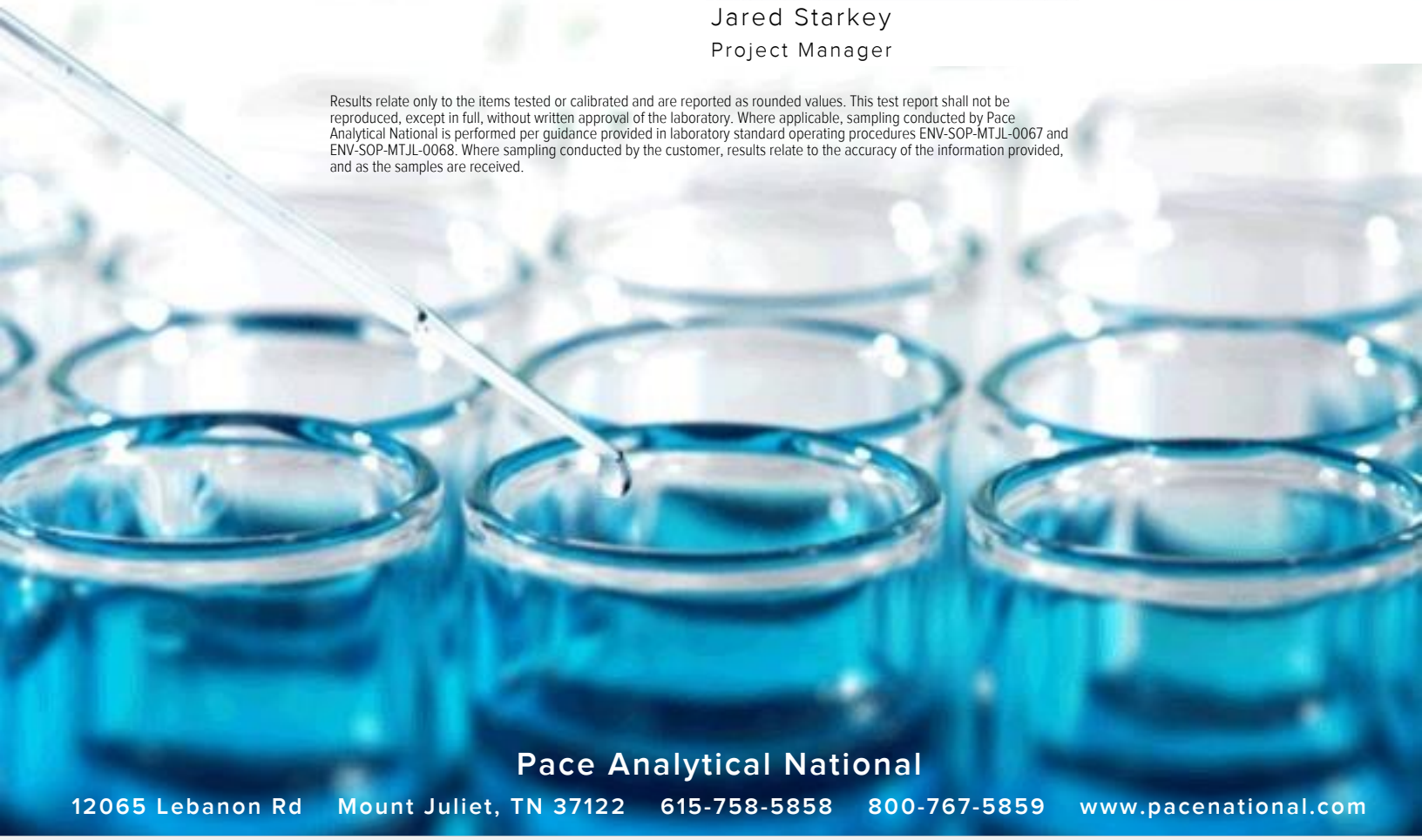
PES Environmental, Inc.- WA

Sample Delivery Group:	L1317757
Samples Received:	02/19/2021
Project Number:	1413.001.05.601
Description:	American Linen
Site:	1413.001.02.501E
Report To:	Brian O'Neal/Bill Haldeman
	1215 Fourth Ave., Suite 1310
	Seattle, WA 98121

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace 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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FMW-137-021221 L1317757-01 GW

Collected by: HC / BH | Collected date/time: 02/12/21 06:35 | Received date/time: 02/19/21 14:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1623108	1	02/21/21 16:00	02/21/21 16:00	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1623651	1	02/22/21 20:55	02/22/21 20:55	BMB	Mt. Juliet, TN

FMW-131-021221 L1317757-02 GW

Collected by: HC / BH | Collected date/time: 02/12/21 09:55 | Received date/time: 02/19/21 14:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1623108	1	02/21/21 16:19	02/21/21 16:19	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1623651	1	02/22/21 21:16	02/22/21 21:16	BMB	Mt. Juliet, TN

GEI-2-021221 L1317757-03 GW

Collected by: HC / BH | Collected date/time: 02/12/21 11:30 | Received date/time: 02/19/21 14:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1623108	1	02/21/21 16:38	02/21/21 16:38	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1623651	1	02/22/21 21:37	02/22/21 21:37	BMB	Mt. Juliet, TN

MW-949-021221 L1317757-04 GW

Collected by: HC / BH | Collected date/time: 02/12/21 08:00 | Received date/time: 02/19/21 14:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1624675	1	02/25/21 03:59	02/25/21 03:59	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1624159	1	02/23/21 14:24	02/23/21 14:24	MJA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1624522	1	02/23/21 23:41	02/24/21 08:56	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1624305	1	02/24/21 14:19	02/24/21 14:19	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1623108	1	02/21/21 16:57	02/21/21 16:57	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1623651	1	02/22/21 21:58	02/22/21 21:58	BMB	Mt. Juliet, TN

MW-106-021221 L1317757-05 GW

Collected by: HC / BH | Collected date/time: 02/12/21 12:50 | Received date/time: 02/19/21 14:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1624675	1	02/25/21 05:11	02/25/21 05:11	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1624159	1	02/23/21 15:59	02/23/21 15:59	MJA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1624522	1	02/23/21 23:41	02/24/21 09:00	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1624305	1	02/24/21 14:22	02/24/21 14:22	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1623108	1	02/21/21 17:16	02/21/21 17:16	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1623651	1	02/22/21 22:19	02/22/21 22:19	BMB	Mt. Juliet, TN

MW115-021221 L1317757-06 GW

Collected by: HC / BH | Collected date/time: 02/12/21 15:10 | Received date/time: 02/19/21 14:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1624675	1	02/25/21 04:17	02/25/21 04:17	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1624159	1	02/23/21 16:12	02/23/21 16:12	MJA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1624522	1	02/23/21 23:41	02/24/21 09:03	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1624305	1	02/24/21 14:25	02/24/21 14:25	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1623108	1	02/21/21 17:35	02/21/21 17:35	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1623651	1	02/22/21 22:40	02/22/21 22:40	BMB	Mt. Juliet, TN

TB-021221 L1317757-07 GW

			Collected by	Collected date/time	Received date/time
			HC / BH	02/12/21 15:30	02/19/21 14:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1623108	1	02/21/21 12:13	02/21/21 12:13	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.

Jared Starkey
Project Manager

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.71	C5	0.548	1.00	1	02/21/2021 16:00	WG1623108
Acrylonitrile	U		0.0760	0.500	1	02/21/2021 16:00	WG1623108
Benzene	0.0330	J	0.0160	0.0400	1	02/21/2021 16:00	WG1623108
Bromobenzene	U		0.0420	0.500	1	02/21/2021 16:00	WG1623108
Bromodichloromethane	U		0.0315	0.100	1	02/21/2021 16:00	WG1623108
Bromoform	U		0.239	1.00	1	02/21/2021 16:00	WG1623108
Bromomethane	U		0.148	0.500	1	02/21/2021 16:00	WG1623108
n-Butylbenzene	U		0.153	0.500	1	02/21/2021 16:00	WG1623108
sec-Butylbenzene	U		0.101	0.500	1	02/21/2021 16:00	WG1623108
tert-Butylbenzene	U		0.0620	0.200	1	02/21/2021 16:00	WG1623108
Carbon tetrachloride	U		0.0432	0.200	1	02/21/2021 16:00	WG1623108
Chlorobenzene	U		0.0229	0.100	1	02/21/2021 16:00	WG1623108
Chlorodibromomethane	U		0.0180	0.100	1	02/21/2021 16:00	WG1623108
Chloroethane	U		0.0432	0.200	1	02/21/2021 16:00	WG1623108
Chloroform	U		0.0166	0.100	1	02/21/2021 16:00	WG1623108
Chloromethane	U		0.0556	0.500	1	02/21/2021 16:00	WG1623108
2-Chlorotoluene	U		0.0368	0.100	1	02/21/2021 16:00	WG1623108
4-Chlorotoluene	U		0.0452	0.200	1	02/21/2021 16:00	WG1623108
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/21/2021 16:00	WG1623108
1,2-Dibromoethane	U		0.0210	0.100	1	02/21/2021 16:00	WG1623108
Dibromomethane	U		0.0400	0.200	1	02/21/2021 16:00	WG1623108
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/21/2021 16:00	WG1623108
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/21/2021 16:00	WG1623108
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/21/2021 16:00	WG1623108
Dichlorodifluoromethane	U		0.0327	0.100	1	02/21/2021 16:00	WG1623108
1,1-Dichloroethane	0.0350	J	0.0230	0.100	1	02/21/2021 16:00	WG1623108
1,2-Dichloroethane	U		0.0190	0.100	1	02/21/2021 16:00	WG1623108
1,1-Dichloroethene	U		0.0200	0.100	1	02/21/2021 16:00	WG1623108
cis-1,2-Dichloroethene	2.66		0.0276	0.100	1	02/21/2021 16:00	WG1623108
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/22/2021 20:55	WG1623651
1,2-Dichloropropane	U		0.0508	0.200	1	02/21/2021 16:00	WG1623108
1,1-Dichloropropene	U		0.0280	0.100	1	02/21/2021 16:00	WG1623108
1,3-Dichloropropane	U		0.0700	0.200	1	02/21/2021 16:00	WG1623108
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/21/2021 16:00	WG1623108
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/21/2021 16:00	WG1623108
2,2-Dichloropropane	U	J4	0.0317	0.100	1	02/21/2021 16:00	WG1623108
Di-isopropyl ether	U		0.0140	0.0400	1	02/21/2021 16:00	WG1623108
Ethylbenzene	0.0800	J	0.0212	0.100	1	02/21/2021 16:00	WG1623108
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/21/2021 16:00	WG1623108
Isopropylbenzene	U		0.0345	0.100	1	02/21/2021 16:00	WG1623108
p-Isopropyltoluene	U		0.0932	0.200	1	02/21/2021 16:00	WG1623108
2-Butanone (MEK)	U		0.500	1.00	1	02/21/2021 16:00	WG1623108
Methylene Chloride	U		0.265	1.00	1	02/21/2021 16:00	WG1623108
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/21/2021 16:00	WG1623108
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/21/2021 16:00	WG1623108
Naphthalene	U	C3	0.124	0.500	1	02/21/2021 16:00	WG1623108
n-Propylbenzene	U		0.0472	0.200	1	02/21/2021 16:00	WG1623108
Styrene	U		0.109	0.500	1	02/21/2021 16:00	WG1623108
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/21/2021 16:00	WG1623108
1,1,2,2-Tetrachloroethane	U	J4	0.0156	0.100	1	02/21/2021 16:00	WG1623108
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/21/2021 16:00	WG1623108
Tetrachloroethene	U		0.0280	0.100	1	02/21/2021 16:00	WG1623108
Toluene	0.448		0.0500	0.200	1	02/21/2021 16:00	WG1623108
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	02/21/2021 16:00	WG1623108
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/21/2021 16:00	WG1623108
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/22/2021 20:55	WG1623651

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/21/2021 16:00	WG1623108
Trichloroethene	U	J4	0.0160	0.0400	1	02/21/2021 16:00	WG1623108
Trichlorofluoromethane	U		0.0200	0.100	1	02/21/2021 16:00	WG1623108
1,2,3-Trichloropropane	U		0.204	0.500	1	02/21/2021 16:00	WG1623108
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/21/2021 16:00	WG1623108
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/21/2021 16:00	WG1623108
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/21/2021 16:00	WG1623108
Vinyl chloride	0.0920	J	0.0273	0.100	1	02/21/2021 16:00	WG1623108
Xylenes, Total	0.442		0.191	0.260	1	02/21/2021 16:00	WG1623108
Ethyl Ether	U		0.0170	0.100	1	02/21/2021 16:00	WG1623108
Tetrahydrofuran	U	C3	0.0900	0.500	1	02/21/2021 16:00	WG1623108
Iodomethane	U		0.242	0.500	1	02/21/2021 16:00	WG1623108
Allyl chloride	U		0.580	1.00	1	02/21/2021 16:00	WG1623108
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/21/2021 16:00	WG1623108
(S) Toluene-d8	*94.9*			*75.0-131*		*02/21/2021 16:00*	WG1623108
(S) Toluene-d8	*98.1*			*75.0-131*		*02/22/2021 20:55*	WG1623651
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*02/21/2021 16:00*	WG1623108
(S) 4-Bromofluorobenzene	*91.4*			*67.0-138*		*02/22/2021 20:55*	WG1623651
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*02/21/2021 16:00*	WG1623108
(S) 1,2-Dichloroethane-d4	*97.2*			*70.0-130*		*02/22/2021 20:55*	WG1623651

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	2.25	C5	0.548	1.00	1	02/21/2021 16:19	WG1623108
Acrylonitrile	U		0.0760	0.500	1	02/21/2021 16:19	WG1623108
Benzene	0.0900		0.0160	0.0400	1	02/21/2021 16:19	WG1623108
Bromobenzene	U		0.0420	0.500	1	02/21/2021 16:19	WG1623108
Bromodichloromethane	U		0.0315	0.100	1	02/21/2021 16:19	WG1623108
Bromoform	U		0.239	1.00	1	02/21/2021 16:19	WG1623108
Bromomethane	U		0.148	0.500	1	02/21/2021 16:19	WG1623108
n-Butylbenzene	U		0.153	0.500	1	02/21/2021 16:19	WG1623108
sec-Butylbenzene	U		0.101	0.500	1	02/21/2021 16:19	WG1623108
tert-Butylbenzene	U		0.0620	0.200	1	02/21/2021 16:19	WG1623108
Carbon tetrachloride	U		0.0432	0.200	1	02/21/2021 16:19	WG1623108
Chlorobenzene	U		0.0229	0.100	1	02/21/2021 16:19	WG1623108
Chlorodibromomethane	U		0.0180	0.100	1	02/21/2021 16:19	WG1623108
Chloroethane	U		0.0432	0.200	1	02/21/2021 16:19	WG1623108
Chloroform	U		0.0166	0.100	1	02/21/2021 16:19	WG1623108
Chloromethane	U		0.0556	0.500	1	02/21/2021 16:19	WG1623108
2-Chlorotoluene	U		0.0368	0.100	1	02/21/2021 16:19	WG1623108
4-Chlorotoluene	U		0.0452	0.200	1	02/21/2021 16:19	WG1623108
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/21/2021 16:19	WG1623108
1,2-Dibromoethane	U		0.0210	0.100	1	02/21/2021 16:19	WG1623108
Dibromomethane	U		0.0400	0.200	1	02/21/2021 16:19	WG1623108
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/21/2021 16:19	WG1623108
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/21/2021 16:19	WG1623108
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/21/2021 16:19	WG1623108
Dichlorodifluoromethane	U		0.0327	0.100	1	02/21/2021 16:19	WG1623108
1,1-Dichloroethane	0.0400	J	0.0230	0.100	1	02/21/2021 16:19	WG1623108
1,2-Dichloroethane	U		0.0190	0.100	1	02/21/2021 16:19	WG1623108
1,1-Dichloroethene	U		0.0200	0.100	1	02/21/2021 16:19	WG1623108
cis-1,2-Dichloroethene	7.89		0.0276	0.100	1	02/21/2021 16:19	WG1623108
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/22/2021 21:16	WG1623651
1,2-Dichloropropane	U		0.0508	0.200	1	02/21/2021 16:19	WG1623108
1,1-Dichloropropene	U		0.0280	0.100	1	02/21/2021 16:19	WG1623108
1,3-Dichloropropane	U		0.0700	0.200	1	02/21/2021 16:19	WG1623108
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/21/2021 16:19	WG1623108
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/21/2021 16:19	WG1623108
2,2-Dichloropropane	U	J4	0.0317	0.100	1	02/21/2021 16:19	WG1623108
Di-isopropyl ether	U		0.0140	0.0400	1	02/21/2021 16:19	WG1623108
Ethylbenzene	0.172		0.0212	0.100	1	02/21/2021 16:19	WG1623108
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/21/2021 16:19	WG1623108
Isopropylbenzene	U		0.0345	0.100	1	02/21/2021 16:19	WG1623108
p-Isopropyltoluene	U		0.0932	0.200	1	02/21/2021 16:19	WG1623108
2-Butanone (MEK)	U		0.500	1.00	1	02/21/2021 16:19	WG1623108
Methylene Chloride	U		0.265	1.00	1	02/21/2021 16:19	WG1623108
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/21/2021 16:19	WG1623108
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/21/2021 16:19	WG1623108
Naphthalene	U	C3	0.124	0.500	1	02/21/2021 16:19	WG1623108
n-Propylbenzene	U		0.0472	0.200	1	02/21/2021 16:19	WG1623108
Styrene	U		0.109	0.500	1	02/21/2021 16:19	WG1623108
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/21/2021 16:19	WG1623108
1,1,2,2-Tetrachloroethane	U	J4	0.0156	0.100	1	02/21/2021 16:19	WG1623108
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/21/2021 16:19	WG1623108
Tetrachloroethene	0.0450	J	0.0280	0.100	1	02/21/2021 16:19	WG1623108
Toluene	1.04		0.0500	0.200	1	02/21/2021 16:19	WG1623108
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	02/21/2021 16:19	WG1623108
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/21/2021 16:19	WG1623108
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/22/2021 21:16	WG1623651

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/21/2021 16:19	WG1623108
Trichloroethene	U	J4	0.0160	0.0400	1	02/21/2021 16:19	WG1623108
Trichlorofluoromethane	U		0.0200	0.100	1	02/21/2021 16:19	WG1623108
1,2,3-Trichloropropane	U		0.204	0.500	1	02/21/2021 16:19	WG1623108
1,2,4-Trimethylbenzene	0.143	J	0.0464	0.200	1	02/21/2021 16:19	WG1623108
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/21/2021 16:19	WG1623108
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/21/2021 16:19	WG1623108
Vinyl chloride	0.287		0.0273	0.100	1	02/21/2021 16:19	WG1623108
Xylenes, Total	0.952		0.191	0.260	1	02/21/2021 16:19	WG1623108
Ethyl Ether	U		0.0170	0.100	1	02/21/2021 16:19	WG1623108
Tetrahydrofuran	U	C3	0.0900	0.500	1	02/21/2021 16:19	WG1623108
Iodomethane	U		0.242	0.500	1	02/21/2021 16:19	WG1623108
Allyl chloride	U		0.580	1.00	1	02/21/2021 16:19	WG1623108
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/21/2021 16:19	WG1623108
(S) Toluene-d8	*93.0*			*75.0-131*		*02/21/2021 16:19*	WG1623108
(S) Toluene-d8	*99.7*			*75.0-131*		*02/22/2021 21:16*	WG1623651
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*02/21/2021 16:19*	WG1623108
(S) 4-Bromofluorobenzene	*94.4*			*67.0-138*		*02/22/2021 21:16*	WG1623651
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*02/21/2021 16:19*	WG1623108
(S) 1,2-Dichloroethane-d4	*98.6*			*70.0-130*		*02/22/2021 21:16*	WG1623651

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	2.95	C5	0.548	1.00	1	02/21/2021 16:38	WG1623108
Acrylonitrile	U		0.0760	0.500	1	02/21/2021 16:38	WG1623108
Benzene	2.79		0.0160	0.0400	1	02/21/2021 16:38	WG1623108
Bromobenzene	U		0.0420	0.500	1	02/21/2021 16:38	WG1623108
Bromodichloromethane	U		0.0315	0.100	1	02/21/2021 16:38	WG1623108
Bromoform	U		0.239	1.00	1	02/21/2021 16:38	WG1623108
Bromomethane	U		0.148	0.500	1	02/21/2021 16:38	WG1623108
n-Butylbenzene	U		0.153	0.500	1	02/21/2021 16:38	WG1623108
sec-Butylbenzene	U		0.101	0.500	1	02/21/2021 16:38	WG1623108
tert-Butylbenzene	U		0.0620	0.200	1	02/21/2021 16:38	WG1623108
Carbon tetrachloride	U		0.0432	0.200	1	02/21/2021 16:38	WG1623108
Chlorobenzene	U		0.0229	0.100	1	02/21/2021 16:38	WG1623108
Chlorodibromomethane	U		0.0180	0.100	1	02/21/2021 16:38	WG1623108
Chloroethane	U		0.0432	0.200	1	02/21/2021 16:38	WG1623108
Chloroform	U		0.0166	0.100	1	02/21/2021 16:38	WG1623108
Chloromethane	U		0.0556	0.500	1	02/21/2021 16:38	WG1623108
2-Chlorotoluene	U		0.0368	0.100	1	02/21/2021 16:38	WG1623108
4-Chlorotoluene	U		0.0452	0.200	1	02/21/2021 16:38	WG1623108
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/21/2021 16:38	WG1623108
1,2-Dibromoethane	U		0.0210	0.100	1	02/21/2021 16:38	WG1623108
Dibromomethane	U		0.0400	0.200	1	02/21/2021 16:38	WG1623108
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/21/2021 16:38	WG1623108
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/21/2021 16:38	WG1623108
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/21/2021 16:38	WG1623108
Dichlorodifluoromethane	U		0.0327	0.100	1	02/21/2021 16:38	WG1623108
1,1-Dichloroethane	U		0.0230	0.100	1	02/21/2021 16:38	WG1623108
1,2-Dichloroethane	U		0.0190	0.100	1	02/21/2021 16:38	WG1623108
1,1-Dichloroethene	U		0.0200	0.100	1	02/21/2021 16:38	WG1623108
cis-1,2-Dichloroethene	0.711		0.0276	0.100	1	02/21/2021 16:38	WG1623108
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/22/2021 21:37	WG1623651
1,2-Dichloropropane	U		0.0508	0.200	1	02/21/2021 16:38	WG1623108
1,1-Dichloropropene	U		0.0280	0.100	1	02/21/2021 16:38	WG1623108
1,3-Dichloropropane	U		0.0700	0.200	1	02/21/2021 16:38	WG1623108
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/21/2021 16:38	WG1623108
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/21/2021 16:38	WG1623108
2,2-Dichloropropane	U	J4	0.0317	0.100	1	02/21/2021 16:38	WG1623108
Di-isopropyl ether	0.0570		0.0140	0.0400	1	02/21/2021 16:38	WG1623108
Ethylbenzene	0.216		0.0212	0.100	1	02/21/2021 16:38	WG1623108
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/21/2021 16:38	WG1623108
Isopropylbenzene	U		0.0345	0.100	1	02/21/2021 16:38	WG1623108
p-Isopropyltoluene	U		0.0932	0.200	1	02/21/2021 16:38	WG1623108
2-Butanone (MEK)	U		0.500	1.00	1	02/21/2021 16:38	WG1623108
Methylene Chloride	U		0.265	1.00	1	02/21/2021 16:38	WG1623108
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/21/2021 16:38	WG1623108
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/21/2021 16:38	WG1623108
Naphthalene	U	C3	0.124	0.500	1	02/21/2021 16:38	WG1623108
n-Propylbenzene	U		0.0472	0.200	1	02/21/2021 16:38	WG1623108
Styrene	U		0.109	0.500	1	02/21/2021 16:38	WG1623108
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/21/2021 16:38	WG1623108
1,1,2,2-Tetrachloroethane	U	J4	0.0156	0.100	1	02/21/2021 16:38	WG1623108
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/21/2021 16:38	WG1623108
Tetrachloroethene	U		0.0280	0.100	1	02/21/2021 16:38	WG1623108
Toluene	1.22		0.0500	0.200	1	02/21/2021 16:38	WG1623108
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	02/21/2021 16:38	WG1623108
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/21/2021 16:38	WG1623108
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/22/2021 21:37	WG1623651

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/21/2021 16:38	WG1623108
Trichloroethene	U	J4	0.0160	0.0400	1	02/21/2021 16:38	WG1623108
Trichlorofluoromethane	U		0.0200	0.100	1	02/21/2021 16:38	WG1623108
1,2,3-Trichloropropane	U		0.204	0.500	1	02/21/2021 16:38	WG1623108
1,2,4-Trimethylbenzene	0.188	J	0.0464	0.200	1	02/21/2021 16:38	WG1623108
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/21/2021 16:38	WG1623108
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/21/2021 16:38	WG1623108
Vinyl chloride	18.4		0.0273	0.100	1	02/21/2021 16:38	WG1623108
Xylenes, Total	1.09		0.191	0.260	1	02/21/2021 16:38	WG1623108
Ethyl Ether	0.0640	J	0.0170	0.100	1	02/21/2021 16:38	WG1623108
Tetrahydrofuran	0.282	C3 J	0.0900	0.500	1	02/21/2021 16:38	WG1623108
Iodomethane	U		0.242	0.500	1	02/21/2021 16:38	WG1623108
Allyl chloride	U		0.580	1.00	1	02/21/2021 16:38	WG1623108
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/21/2021 16:38	WG1623108
(S) Toluene-d8	*90.3*			*75.0-131*		*02/21/2021 16:38*	WG1623108
(S) Toluene-d8	*101*			*75.0-131*		*02/22/2021 21:37*	WG1623651
(S) 4-Bromofluorobenzene	*109*			*67.0-138*		*02/21/2021 16:38*	WG1623108
(S) 4-Bromofluorobenzene	*91.4*			*67.0-138*		*02/22/2021 21:37*	WG1623651
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*02/21/2021 16:38*	WG1623108
(S) 1,2-Dichloroethane-d4	*97.1*			*70.0-130*		*02/22/2021 21:37*	WG1623651

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	16200		594	5000	1	02/25/2021 03:59	WG1624675

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)	1150	B	102	1000	1	02/23/2021 14:24	WG1624159

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	2880		28.1	100	1	02/24/2021 08:56	WG1624522
Manganese	583		0.704	5.00	1	02/24/2021 08:56	WG1624522

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	88.8		0.287	0.678	1	02/24/2021 14:19	WG1624305
Ethane	U		0.296	1.29	1	02/24/2021 14:19	WG1624305
Ethene	U		0.422	1.27	1	02/24/2021 14:19	WG1624305

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.63	C5	0.548	1.00	1	02/21/2021 16:57	WG1623108
Acrylonitrile	U		0.0760	0.500	1	02/21/2021 16:57	WG1623108
Benzene	U		0.0160	0.0400	1	02/21/2021 16:57	WG1623108
Bromobenzene	U		0.0420	0.500	1	02/21/2021 16:57	WG1623108
Bromodichloromethane	U		0.0315	0.100	1	02/21/2021 16:57	WG1623108
Bromoform	U		0.239	1.00	1	02/21/2021 16:57	WG1623108
Bromomethane	U		0.148	0.500	1	02/21/2021 16:57	WG1623108
n-Butylbenzene	U		0.153	0.500	1	02/21/2021 16:57	WG1623108
sec-Butylbenzene	U		0.101	0.500	1	02/21/2021 16:57	WG1623108
tert-Butylbenzene	U		0.0620	0.200	1	02/21/2021 16:57	WG1623108
Carbon tetrachloride	U		0.0432	0.200	1	02/21/2021 16:57	WG1623108
Chlorobenzene	U		0.0229	0.100	1	02/21/2021 16:57	WG1623108
Chlorodibromomethane	U		0.0180	0.100	1	02/21/2021 16:57	WG1623108
Chloroethane	U		0.0432	0.200	1	02/21/2021 16:57	WG1623108
Chloroform	U		0.0166	0.100	1	02/21/2021 16:57	WG1623108
Chloromethane	U		0.0556	0.500	1	02/21/2021 16:57	WG1623108
2-Chlorotoluene	U		0.0368	0.100	1	02/21/2021 16:57	WG1623108
4-Chlorotoluene	U		0.0452	0.200	1	02/21/2021 16:57	WG1623108
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/21/2021 16:57	WG1623108
1,2-Dibromoethane	U		0.0210	0.100	1	02/21/2021 16:57	WG1623108
Dibromomethane	U		0.0400	0.200	1	02/21/2021 16:57	WG1623108
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/21/2021 16:57	WG1623108
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/21/2021 16:57	WG1623108
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/21/2021 16:57	WG1623108
Dichlorodifluoromethane	U		0.0327	0.100	1	02/21/2021 16:57	WG1623108
1,1-Dichloroethane	U		0.0230	0.100	1	02/21/2021 16:57	WG1623108
1,2-Dichloroethane	U		0.0190	0.100	1	02/21/2021 16:57	WG1623108
1,1-Dichloroethene	U		0.0200	0.100	1	02/21/2021 16:57	WG1623108
cis-1,2-Dichloroethene	U		0.0276	0.100	1	02/21/2021 16:57	WG1623108
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/22/2021 21:58	WG1623651
1,2-Dichloropropane	U		0.0508	0.200	1	02/21/2021 16:57	WG1623108

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1-Dichloropropene	U		0.0280	0.100	1	02/21/2021 16:57	WG1623108
1,3-Dichloropropane	U		0.0700	0.200	1	02/21/2021 16:57	WG1623108
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/21/2021 16:57	WG1623108
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/21/2021 16:57	WG1623108
2,2-Dichloropropane	U	J4	0.0317	0.100	1	02/21/2021 16:57	WG1623108
Di-isopropyl ether	U		0.0140	0.0400	1	02/21/2021 16:57	WG1623108
Ethylbenzene	U		0.0212	0.100	1	02/21/2021 16:57	WG1623108
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/21/2021 16:57	WG1623108
Isopropylbenzene	U		0.0345	0.100	1	02/21/2021 16:57	WG1623108
p-Isopropyltoluene	U		0.0932	0.200	1	02/21/2021 16:57	WG1623108
2-Butanone (MEK)	U		0.500	1.00	1	02/21/2021 16:57	WG1623108
Methylene Chloride	U		0.265	1.00	1	02/21/2021 16:57	WG1623108
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/21/2021 16:57	WG1623108
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/21/2021 16:57	WG1623108
Naphthalene	U	C3	0.124	0.500	1	02/21/2021 16:57	WG1623108
n-Propylbenzene	U		0.0472	0.200	1	02/21/2021 16:57	WG1623108
Styrene	U		0.109	0.500	1	02/21/2021 16:57	WG1623108
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/21/2021 16:57	WG1623108
1,1,2,2-Tetrachloroethane	U	J4	0.0156	0.100	1	02/21/2021 16:57	WG1623108
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/21/2021 16:57	WG1623108
Tetrachloroethene	U		0.0280	0.100	1	02/21/2021 16:57	WG1623108
Toluene	U		0.0500	0.200	1	02/21/2021 16:57	WG1623108
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	02/21/2021 16:57	WG1623108
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/21/2021 16:57	WG1623108
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/22/2021 21:58	WG1623651
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/21/2021 16:57	WG1623108
Trichloroethene	U	J4	0.0160	0.0400	1	02/21/2021 16:57	WG1623108
Trichlorofluoromethane	U		0.0200	0.100	1	02/21/2021 16:57	WG1623108
1,2,3-Trichloropropane	U		0.204	0.500	1	02/21/2021 16:57	WG1623108
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/21/2021 16:57	WG1623108
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/21/2021 16:57	WG1623108
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/21/2021 16:57	WG1623108
Vinyl chloride	U		0.0273	0.100	1	02/21/2021 16:57	WG1623108
Xylenes, Total	U		0.191	0.260	1	02/21/2021 16:57	WG1623108
Ethyl Ether	U		0.0170	0.100	1	02/21/2021 16:57	WG1623108
Tetrahydrofuran	U	C3	0.0900	0.500	1	02/21/2021 16:57	WG1623108
Iodomethane	U		0.242	0.500	1	02/21/2021 16:57	WG1623108
Allyl chloride	U		0.580	1.00	1	02/21/2021 16:57	WG1623108
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/21/2021 16:57	WG1623108
(S) Toluene-d8	*91.3*			*75.0-131*		*02/21/2021 16:57*	WG1623108
(S) Toluene-d8	*100*			*75.0-131*		*02/22/2021 21:58*	WG1623651
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*02/21/2021 16:57*	WG1623108
(S) 4-Bromofluorobenzene	*93.6*			*67.0-138*		*02/22/2021 21:58*	WG1623651
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*02/21/2021 16:57*	WG1623108
(S) 1,2-Dichloroethane-d4	*96.8*			*70.0-130*		*02/22/2021 21:58*	WG1623651

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	16100		594	5000	1	02/25/2021 05:11	WG1624675

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)	1170	B	102	1000	1	02/23/2021 15:59	WG1624159

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2940		28.1	100	1	02/24/2021 09:00	WG1624522
Manganese	583		0.704	5.00	1	02/24/2021 09:00	WG1624522

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	93.5		0.287	0.678	1	02/24/2021 14:22	WG1624305
Ethane	U		0.296	1.29	1	02/24/2021 14:22	WG1624305
Ethene	U		0.422	1.27	1	02/24/2021 14:22	WG1624305

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.34	C5	0.548	1.00	1	02/21/2021 17:16	WG1623108
Acrylonitrile	U		0.0760	0.500	1	02/21/2021 17:16	WG1623108
Benzene	U		0.0160	0.0400	1	02/21/2021 17:16	WG1623108
Bromobenzene	U		0.0420	0.500	1	02/21/2021 17:16	WG1623108
Bromodichloromethane	U		0.0315	0.100	1	02/21/2021 17:16	WG1623108
Bromoform	U		0.239	1.00	1	02/21/2021 17:16	WG1623108
Bromomethane	U		0.148	0.500	1	02/21/2021 17:16	WG1623108
n-Butylbenzene	U		0.153	0.500	1	02/21/2021 17:16	WG1623108
sec-Butylbenzene	U		0.101	0.500	1	02/21/2021 17:16	WG1623108
tert-Butylbenzene	U		0.0620	0.200	1	02/21/2021 17:16	WG1623108
Carbon tetrachloride	U		0.0432	0.200	1	02/21/2021 17:16	WG1623108
Chlorobenzene	U		0.0229	0.100	1	02/21/2021 17:16	WG1623108
Chlorodibromomethane	U		0.0180	0.100	1	02/21/2021 17:16	WG1623108
Chloroethane	U		0.0432	0.200	1	02/21/2021 17:16	WG1623108
Chloroform	U		0.0166	0.100	1	02/21/2021 17:16	WG1623108
Chloromethane	U		0.0556	0.500	1	02/21/2021 17:16	WG1623108
2-Chlorotoluene	U		0.0368	0.100	1	02/21/2021 17:16	WG1623108
4-Chlorotoluene	U		0.0452	0.200	1	02/21/2021 17:16	WG1623108
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/21/2021 17:16	WG1623108
1,2-Dibromoethane	U		0.0210	0.100	1	02/21/2021 17:16	WG1623108
Dibromomethane	U		0.0400	0.200	1	02/21/2021 17:16	WG1623108
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/21/2021 17:16	WG1623108
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/21/2021 17:16	WG1623108
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/21/2021 17:16	WG1623108
Dichlorodifluoromethane	U		0.0327	0.100	1	02/21/2021 17:16	WG1623108
1,1-Dichloroethane	U		0.0230	0.100	1	02/21/2021 17:16	WG1623108
1,2-Dichloroethane	U		0.0190	0.100	1	02/21/2021 17:16	WG1623108
1,1-Dichloroethene	U		0.0200	0.100	1	02/21/2021 17:16	WG1623108
cis-1,2-Dichloroethene	U		0.0276	0.100	1	02/21/2021 17:16	WG1623108
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/22/2021 22:19	WG1623651
1,2-Dichloropropane	U		0.0508	0.200	1	02/21/2021 17:16	WG1623108

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1-Dichloropropene	U		0.0280	0.100	1	02/21/2021 17:16	WG1623108
1,3-Dichloropropane	U		0.0700	0.200	1	02/21/2021 17:16	WG1623108
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/21/2021 17:16	WG1623108
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/21/2021 17:16	WG1623108
2,2-Dichloropropane	U	J4	0.0317	0.100	1	02/21/2021 17:16	WG1623108
Di-isopropyl ether	U		0.0140	0.0400	1	02/21/2021 17:16	WG1623108
Ethylbenzene	U		0.0212	0.100	1	02/21/2021 17:16	WG1623108
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/21/2021 17:16	WG1623108
Isopropylbenzene	U		0.0345	0.100	1	02/21/2021 17:16	WG1623108
p-Isopropyltoluene	U		0.0932	0.200	1	02/21/2021 17:16	WG1623108
2-Butanone (MEK)	U		0.500	1.00	1	02/21/2021 17:16	WG1623108
Methylene Chloride	U		0.265	1.00	1	02/21/2021 17:16	WG1623108
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/21/2021 17:16	WG1623108
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/21/2021 17:16	WG1623108
Naphthalene	U	C3	0.124	0.500	1	02/21/2021 17:16	WG1623108
n-Propylbenzene	U		0.0472	0.200	1	02/21/2021 17:16	WG1623108
Styrene	U		0.109	0.500	1	02/21/2021 17:16	WG1623108
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/21/2021 17:16	WG1623108
1,1,2,2-Tetrachloroethane	U	J4	0.0156	0.100	1	02/21/2021 17:16	WG1623108
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/21/2021 17:16	WG1623108
Tetrachloroethene	U		0.0280	0.100	1	02/21/2021 17:16	WG1623108
Toluene	U		0.0500	0.200	1	02/21/2021 17:16	WG1623108
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	02/21/2021 17:16	WG1623108
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/21/2021 17:16	WG1623108
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/22/2021 22:19	WG1623651
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/21/2021 17:16	WG1623108
Trichloroethene	U	J4	0.0160	0.0400	1	02/21/2021 17:16	WG1623108
Trichlorofluoromethane	U		0.0200	0.100	1	02/21/2021 17:16	WG1623108
1,2,3-Trichloropropane	U		0.204	0.500	1	02/21/2021 17:16	WG1623108
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/21/2021 17:16	WG1623108
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/21/2021 17:16	WG1623108
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/21/2021 17:16	WG1623108
Vinyl chloride	U		0.0273	0.100	1	02/21/2021 17:16	WG1623108
Xylenes, Total	U		0.191	0.260	1	02/21/2021 17:16	WG1623108
Ethyl Ether	U		0.0170	0.100	1	02/21/2021 17:16	WG1623108
Tetrahydrofuran	U	C3	0.0900	0.500	1	02/21/2021 17:16	WG1623108
Iodomethane	U		0.242	0.500	1	02/21/2021 17:16	WG1623108
Allyl chloride	U		0.580	1.00	1	02/21/2021 17:16	WG1623108
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/21/2021 17:16	WG1623108
(S) Toluene-d8	*91.9*			*75.0-131*		*02/21/2021 17:16*	WG1623108
(S) Toluene-d8	*101*			*75.0-131*		*02/22/2021 22:19*	WG1623651
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*02/21/2021 17:16*	WG1623108
(S) 4-Bromofluorobenzene	*91.8*			*67.0-138*		*02/22/2021 22:19*	WG1623651
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*02/21/2021 17:16*	WG1623108
(S) 1,2-Dichloroethane-d4	*96.4*			*70.0-130*		*02/22/2021 22:19*	WG1623651

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	68200		594	5000	1	02/25/2021 04:17	WG1624675

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)	6730		102	1000	1	02/23/2021 16:12	WG1624159

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	13500		28.1	100	1	02/24/2021 09:03	WG1624522
Manganese	1230		0.704	5.00	1	02/24/2021 09:03	WG1624522

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1570		0.287	0.678	1	02/24/2021 14:25	WG1624305
Ethane	U		0.296	1.29	1	02/24/2021 14:25	WG1624305
Ethene	U		0.422	1.27	1	02/24/2021 14:25	WG1624305

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.76	C5	0.548	1.00	1	02/21/2021 17:35	WG1623108
Acrylonitrile	U		0.0760	0.500	1	02/21/2021 17:35	WG1623108
Benzene	0.0330	J	0.0160	0.0400	1	02/21/2021 17:35	WG1623108
Bromobenzene	U		0.0420	0.500	1	02/21/2021 17:35	WG1623108
Bromodichloromethane	U		0.0315	0.100	1	02/21/2021 17:35	WG1623108
Bromoform	U		0.239	1.00	1	02/21/2021 17:35	WG1623108
Bromomethane	U		0.148	0.500	1	02/21/2021 17:35	WG1623108
n-Butylbenzene	U		0.153	0.500	1	02/21/2021 17:35	WG1623108
sec-Butylbenzene	U		0.101	0.500	1	02/21/2021 17:35	WG1623108
tert-Butylbenzene	U		0.0620	0.200	1	02/21/2021 17:35	WG1623108
Carbon tetrachloride	U		0.0432	0.200	1	02/21/2021 17:35	WG1623108
Chlorobenzene	U		0.0229	0.100	1	02/21/2021 17:35	WG1623108
Chlorodibromomethane	U		0.0180	0.100	1	02/21/2021 17:35	WG1623108
Chloroethane	U		0.0432	0.200	1	02/21/2021 17:35	WG1623108
Chloroform	U		0.0166	0.100	1	02/21/2021 17:35	WG1623108
Chloromethane	U		0.0556	0.500	1	02/21/2021 17:35	WG1623108
2-Chlorotoluene	U		0.0368	0.100	1	02/21/2021 17:35	WG1623108
4-Chlorotoluene	U		0.0452	0.200	1	02/21/2021 17:35	WG1623108
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/21/2021 17:35	WG1623108
1,2-Dibromoethane	U		0.0210	0.100	1	02/21/2021 17:35	WG1623108
Dibromomethane	U		0.0400	0.200	1	02/21/2021 17:35	WG1623108
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/21/2021 17:35	WG1623108
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/21/2021 17:35	WG1623108
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/21/2021 17:35	WG1623108
Dichlorodifluoromethane	U		0.0327	0.100	1	02/21/2021 17:35	WG1623108
1,1-Dichloroethane	U		0.0230	0.100	1	02/21/2021 17:35	WG1623108
1,2-Dichloroethane	U		0.0190	0.100	1	02/21/2021 17:35	WG1623108
1,1-Dichloroethene	U		0.0200	0.100	1	02/21/2021 17:35	WG1623108
cis-1,2-Dichloroethene	0.244		0.0276	0.100	1	02/21/2021 17:35	WG1623108
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/22/2021 22:40	WG1623651
1,2-Dichloropropane	U		0.0508	0.200	1	02/21/2021 17:35	WG1623108

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1-Dichloropropene	U		0.0280	0.100	1	02/21/2021 17:35	WG1623108
1,3-Dichloropropane	U		0.0700	0.200	1	02/21/2021 17:35	WG1623108
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/21/2021 17:35	WG1623108
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/21/2021 17:35	WG1623108
2,2-Dichloropropane	U	J4	0.0317	0.100	1	02/21/2021 17:35	WG1623108
Di-isopropyl ether	0.0390	J	0.0140	0.0400	1	02/21/2021 17:35	WG1623108
Ethylbenzene	0.0730	J	0.0212	0.100	1	02/21/2021 17:35	WG1623108
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/21/2021 17:35	WG1623108
Isopropylbenzene	U		0.0345	0.100	1	02/21/2021 17:35	WG1623108
p-Isopropyltoluene	U		0.0932	0.200	1	02/21/2021 17:35	WG1623108
2-Butanone (MEK)	U		0.500	1.00	1	02/21/2021 17:35	WG1623108
Methylene Chloride	U		0.265	1.00	1	02/21/2021 17:35	WG1623108
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/21/2021 17:35	WG1623108
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/21/2021 17:35	WG1623108
Naphthalene	U	C3	0.124	0.500	1	02/21/2021 17:35	WG1623108
n-Propylbenzene	U		0.0472	0.200	1	02/21/2021 17:35	WG1623108
Styrene	U		0.109	0.500	1	02/21/2021 17:35	WG1623108
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/21/2021 17:35	WG1623108
1,1,2,2-Tetrachloroethane	U	J4	0.0156	0.100	1	02/21/2021 17:35	WG1623108
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/21/2021 17:35	WG1623108
Tetrachloroethene	U		0.0280	0.100	1	02/21/2021 17:35	WG1623108
Toluene	0.515		0.0500	0.200	1	02/21/2021 17:35	WG1623108
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	02/21/2021 17:35	WG1623108
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/21/2021 17:35	WG1623108
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/22/2021 22:40	WG1623651
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/21/2021 17:35	WG1623108
Trichloroethene	U	J4	0.0160	0.0400	1	02/21/2021 17:35	WG1623108
Trichlorofluoromethane	U		0.0200	0.100	1	02/21/2021 17:35	WG1623108
1,2,3-Trichloropropane	U		0.204	0.500	1	02/21/2021 17:35	WG1623108
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/21/2021 17:35	WG1623108
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/21/2021 17:35	WG1623108
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/21/2021 17:35	WG1623108
Vinyl chloride	1.02		0.0273	0.100	1	02/21/2021 17:35	WG1623108
Xylenes, Total	0.453		0.191	0.260	1	02/21/2021 17:35	WG1623108
Ethyl Ether	0.306		0.0170	0.100	1	02/21/2021 17:35	WG1623108
Tetrahydrofuran	U	C3	0.0900	0.500	1	02/21/2021 17:35	WG1623108
Iodomethane	U		0.242	0.500	1	02/21/2021 17:35	WG1623108
Allyl chloride	U		0.580	1.00	1	02/21/2021 17:35	WG1623108
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/21/2021 17:35	WG1623108
(S) Toluene-d8	*92.3*			*75.0-131*		*02/21/2021 17:35*	WG1623108
(S) Toluene-d8	*102*			*75.0-131*		*02/22/2021 22:40*	WG1623651
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*02/21/2021 17:35*	WG1623108
(S) 4-Bromofluorobenzene	*87.9*			*67.0-138*		*02/22/2021 22:40*	WG1623651
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*02/21/2021 17:35*	WG1623108
(S) 1,2-Dichloroethane-d4	*94.9*			*70.0-130*		*02/22/2021 22:40*	WG1623651

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	4.82	C5	0.548	1.00	1	02/21/2021 12:13	WG1623108
Acrylonitrile	U		0.0760	0.500	1	02/21/2021 12:13	WG1623108
Benzene	U		0.0160	0.0400	1	02/21/2021 12:13	WG1623108
Bromobenzene	U		0.0420	0.500	1	02/21/2021 12:13	WG1623108
Bromodichloromethane	U		0.0315	0.100	1	02/21/2021 12:13	WG1623108
Bromoform	U		0.239	1.00	1	02/21/2021 12:13	WG1623108
Bromomethane	U		0.148	0.500	1	02/21/2021 12:13	WG1623108
n-Butylbenzene	U		0.153	0.500	1	02/21/2021 12:13	WG1623108
sec-Butylbenzene	U		0.101	0.500	1	02/21/2021 12:13	WG1623108
tert-Butylbenzene	U		0.0620	0.200	1	02/21/2021 12:13	WG1623108
Carbon tetrachloride	U		0.0432	0.200	1	02/21/2021 12:13	WG1623108
Chlorobenzene	U		0.0229	0.100	1	02/21/2021 12:13	WG1623108
Chlorodibromomethane	U		0.0180	0.100	1	02/21/2021 12:13	WG1623108
Chloroethane	U		0.0432	0.200	1	02/21/2021 12:13	WG1623108
Chloroform	U		0.0166	0.100	1	02/21/2021 12:13	WG1623108
Chloromethane	U		0.0556	0.500	1	02/21/2021 12:13	WG1623108
2-Chlorotoluene	U		0.0368	0.100	1	02/21/2021 12:13	WG1623108
4-Chlorotoluene	U		0.0452	0.200	1	02/21/2021 12:13	WG1623108
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/21/2021 12:13	WG1623108
1,2-Dibromoethane	U		0.0210	0.100	1	02/21/2021 12:13	WG1623108
Dibromomethane	U		0.0400	0.200	1	02/21/2021 12:13	WG1623108
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/21/2021 12:13	WG1623108
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/21/2021 12:13	WG1623108
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/21/2021 12:13	WG1623108
Dichlorodifluoromethane	U		0.0327	0.100	1	02/21/2021 12:13	WG1623108
1,1-Dichloroethane	U		0.0230	0.100	1	02/21/2021 12:13	WG1623108
1,2-Dichloroethane	U		0.0190	0.100	1	02/21/2021 12:13	WG1623108
1,1-Dichloroethene	U		0.0200	0.100	1	02/21/2021 12:13	WG1623108
cis-1,2-Dichloroethene	U		0.0276	0.100	1	02/21/2021 12:13	WG1623108
trans-1,2-Dichloroethene	U	J4	0.0572	0.200	1	02/21/2021 12:13	WG1623108
1,2-Dichloropropane	U		0.0508	0.200	1	02/21/2021 12:13	WG1623108
1,1-Dichloropropene	U		0.0280	0.100	1	02/21/2021 12:13	WG1623108
1,3-Dichloropropane	U		0.0700	0.200	1	02/21/2021 12:13	WG1623108
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/21/2021 12:13	WG1623108
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/21/2021 12:13	WG1623108
2,2-Dichloropropane	U	J4	0.0317	0.100	1	02/21/2021 12:13	WG1623108
Di-isopropyl ether	U		0.0140	0.0400	1	02/21/2021 12:13	WG1623108
Ethylbenzene	U		0.0212	0.100	1	02/21/2021 12:13	WG1623108
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/21/2021 12:13	WG1623108
Isopropylbenzene	U		0.0345	0.100	1	02/21/2021 12:13	WG1623108
p-Isopropyltoluene	U		0.0932	0.200	1	02/21/2021 12:13	WG1623108
2-Butanone (MEK)	U		0.500	1.00	1	02/21/2021 12:13	WG1623108
Methylene Chloride	U		0.265	1.00	1	02/21/2021 12:13	WG1623108
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/21/2021 12:13	WG1623108
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/21/2021 12:13	WG1623108
Naphthalene	U	C3	0.124	0.500	1	02/21/2021 12:13	WG1623108
n-Propylbenzene	U		0.0472	0.200	1	02/21/2021 12:13	WG1623108
Styrene	U		0.109	0.500	1	02/21/2021 12:13	WG1623108
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/21/2021 12:13	WG1623108
1,1,2,2-Tetrachloroethane	U	J4	0.0156	0.100	1	02/21/2021 12:13	WG1623108
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/21/2021 12:13	WG1623108
Tetrachloroethene	U		0.0280	0.100	1	02/21/2021 12:13	WG1623108
Toluene	U		0.0500	0.200	1	02/21/2021 12:13	WG1623108
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	02/21/2021 12:13	WG1623108
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/21/2021 12:13	WG1623108
1,1,1-Trichloroethane	U	J4	0.0110	0.100	1	02/21/2021 12:13	WG1623108

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/21/2021 12:13	WG1623108
Trichloroethene	U	J4	0.0160	0.0400	1	02/21/2021 12:13	WG1623108
Trichlorofluoromethane	U		0.0200	0.100	1	02/21/2021 12:13	WG1623108
1,2,3-Trichloropropane	U		0.204	0.500	1	02/21/2021 12:13	WG1623108
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/21/2021 12:13	WG1623108
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/21/2021 12:13	WG1623108
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/21/2021 12:13	WG1623108
Vinyl chloride	U		0.0273	0.100	1	02/21/2021 12:13	WG1623108
Xylenes, Total	U		0.191	0.260	1	02/21/2021 12:13	WG1623108
Ethyl Ether	U		0.0170	0.100	1	02/21/2021 12:13	WG1623108
Tetrahydrofuran	0.141	C3 J	0.0900	0.500	1	02/21/2021 12:13	WG1623108
Iodomethane	U		0.242	0.500	1	02/21/2021 12:13	WG1623108
Allyl chloride	U		0.580	1.00	1	02/21/2021 12:13	WG1623108
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/21/2021 12:13	WG1623108
(S) Toluene-d8	*93.3*			*75.0-131*		*02/21/2021 12:13*	WG1623108
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*02/21/2021 12:13*	WG1623108
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*02/21/2021 12:13*	WG1623108

Method Blank (MB)

(MB) R3625488-1 02/25/21 01:37

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Sulfate	U		594	5000

L1317757-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1317757-05 02/25/21 05:11 • (DUP) R3625488-3 02/25/21 05:29

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Sulfate	16100	16100	1	0.201		15

L1318215-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1318215-01 02/25/21 10:33 • (DUP) R3625488-6 02/25/21 10:51

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Sulfate	55600	55300	1	0.572		15

Laboratory Control Sample (LCS)

(LCS) R3625488-2 02/25/21 01:54

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Sulfate	40000	42700	107	80.0-120	

L1317757-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1317757-05 02/25/21 05:11 • (MS) R3625488-4 02/25/21 05:47 • (MSD) R3625488-5 02/25/21 06:05

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	%	%		%			%	%
Sulfate	50000	16100	66900	67600	102	103	1	80.0-120			1.05	15

L1318215-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1318215-01 02/25/21 10:33 • (MS) R3625488-7 02/25/21 11:09

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
	ug/l	ug/l	ug/l	%		%	
Sulfate	50000	55600	104000	96.8	1	80.0-120	E

Method Blank (MB)

(MB) R3624624-1 02/23/21 12:12

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	250	J	102	1000

L1315696-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1315696-09 02/23/21 13:28 • (DUP) R3624624-3 02/23/21 13:41

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	919	912	1	0.786	J	20

L1317790-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1317790-07 02/23/21 17:28 • (DUP) R3624624-6 02/23/21 17:41

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	9820	9850	1	0.335		20

Laboratory Control Sample (LCS)

(LCS) R3624624-2 02/23/21 12:49

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75000	80000	107	85.0-115	

L1317757-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1317757-04 02/23/21 14:24 • (MS) R3624624-4 02/23/21 14:38 • (MSD) R3624624-5 02/23/21 14:52

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50000	1150	50900	50100	99.5	98.0	1	80.0-120			1.54	20

Method Blank (MB)

(MB) R3624570-1 02/24/21 08:14

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Iron	U		28.1	100
Manganese	U		0.704	5.00

Laboratory Control Sample (LCS)

(LCS) R3624570-2 02/24/21 08:17

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Iron	5000	4860	97.2	80.0-120	
Manganese	50.0	47.9	95.9	80.0-120	

L1318013-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1318013-02 02/24/21 08:21 • (MS) R3624570-4 02/24/21 08:27 • (MSD) R3624570-5 02/24/21 08:30

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Iron	5000	1580	6240	6220	93.0	92.7	1	75.0-125			0.260	20
Manganese	50.0	117	162	163	89.9	91.9	1	75.0-125			0.605	20

Method Blank (MB)

(MB) R3624724-2 02/24/21 11:20

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

L1318445-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1318445-01 02/24/21 11:25 • (DUP) R3624724-5 02/24/21 12:10

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

L1317730-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1317730-04 02/24/21 14:06 • (DUP) R3624724-8 02/24/21 14:35

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

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

(LCS) R3624724-1 02/24/21 11:16 • (LCSD) R3624724-9 02/24/21 14:40

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	63.7	72.8	94.0	107	85.0-115			13.3	20
Ethane	129	133	133	103	103	85.0-115			0.000	20
Ethene	127	131	130	103	102	85.0-115			0.766	20

L1317612-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1317612-04 02/24/21 11:43 • (MS) R3624724-3 02/24/21 11:46 • (MSD) R3624724-4 02/24/21 11:50

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Methane	67.8	285	323	328	56.0	63.4	1	85.0-115	V	V	1.54	20
Ethane	129	U	131	135	102	105	1	85.0-115			3.01	20
Ethene	127	U	127	133	100	105	1	85.0-115			4.62	20

L1317707-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1317707-06 02/24/21 13:44 • (MS) R3624724-6 02/24/21 13:47 • (MSD) R3624724-7 02/24/21 13:52

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Methane	67.8	26.7	88.9	88.1	91.7	90.6	1	85.0-115			0.904	20
Ethane	129	U	143	132	111	102	1	85.0-115			8.00	20
Ethene	127	U	138	130	109	102	1	85.0-115			5.97	20

Method Blank (MB)

(MB) R3623680-2 02/21/21 10:03

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		0.548	1.00
Acrylonitrile	U		0.0760	0.500
Benzene	U		0.0160	0.0400
Bromobenzene	U		0.0420	0.500
Bromodichloromethane	U		0.0315	0.100
Bromoform	U		0.239	1.00
Bromomethane	U		0.148	0.500
n-Butylbenzene	U		0.153	0.500
sec-Butylbenzene	U		0.101	0.500
tert-Butylbenzene	U		0.0620	0.200
Carbon tetrachloride	U		0.0432	0.200
Chlorobenzene	U		0.0229	0.100
Chlorodibromomethane	U		0.0180	0.100
Chloroethane	U		0.0432	0.200
Chloroform	U		0.0166	0.100
Chloromethane	U		0.0556	0.500
2-Chlorotoluene	U		0.0368	0.100
4-Chlorotoluene	U		0.0452	0.200
1,2-Dibromo-3-Chloropropane	U		0.204	1.00
1,2-Dibromoethane	U		0.0210	0.100
Dibromomethane	U		0.0400	0.200
1,2-Dichlorobenzene	U		0.0580	0.200
1,3-Dichlorobenzene	U		0.0680	0.200
1,4-Dichlorobenzene	U		0.0788	0.200
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
Dichlorodifluoromethane	U		0.0327	0.100
1,1-Dichloroethane	U		0.0230	0.100
1,2-Dichloroethane	U		0.0190	0.100
1,1-Dichloroethene	U		0.0200	0.100
cis-1,2-Dichloroethene	U		0.0276	0.100
trans-1,2-Dichloroethene	U		0.0572	0.200
1,2-Dichloropropane	U		0.0508	0.200
1,1-Dichloropropene	U		0.0280	0.100
1,3-Dichloropropane	U		0.0700	0.200
cis-1,3-Dichloropropene	U		0.0271	0.100
trans-1,3-Dichloropropene	U		0.0612	0.200
2,2-Dichloropropane	U		0.0317	0.100
Di-isopropyl ether	U		0.0140	0.0400
Ethylbenzene	U		0.0212	0.100
Ethyl ether	U		0.0170	0.100

Method Blank (MB)

(MB) R3623680-2 02/21/21 10:03

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	U		0.508	1.00
Iodomethane	U		0.242	0.500
Isopropylbenzene	U		0.0345	0.100
p-Isopropyltoluene	U		0.0932	0.200
2-Butanone (MEK)	U		0.500	1.00
Methylene Chloride	U		0.265	1.00
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00
Methyl tert-butyl ether	U		0.0118	0.0400
Naphthalene	U		0.124	0.500
n-Propylbenzene	U		0.0472	0.200
Styrene	U		0.109	0.500
1,1,1,2-Tetrachloroethane	U		0.0200	0.100
1,1,2,2-Tetrachloroethane	U		0.0156	0.100
Tetrachloroethene	U		0.0280	0.100
Tetrahydrofuran	U		0.0900	0.500
Toluene	U		0.0500	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100
1,2,3-Trichlorobenzene	0.0970	J	0.0250	0.500
1,2,4-Trichlorobenzene	U		0.193	0.500
1,1,1-Trichloroethane	U		0.0110	0.100
1,1,2-Trichloroethane	U		0.0353	0.100
Trichloroethene	U		0.0160	0.0400
Trichlorofluoromethane	U		0.0200	0.100
1,2,3-Trichloropropane	U		0.204	0.500
1,2,3-Trimethylbenzene	U		0.0460	0.200
1,2,4-Trimethylbenzene	U		0.0464	0.200
1,3,5-Trimethylbenzene	U		0.0432	0.200
Vinyl chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Allyl Chloride	U		0.580	1.00
(S) Toluene-d8	*92.6*			*75.0-131*
(S) 4-Bromofluorobenzene	*103*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3623680-1 02/21/21 09:25

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	40.0	160	10.0-160	
Acrylonitrile	25.0	30.0	120	45.0-153	
Benzene	5.00	5.14	103	70.0-123	
Bromobenzene	5.00	4.86	97.2	73.0-121	
Bromodichloromethane	5.00	5.03	101	73.0-121	
Bromoform	5.00	4.79	95.8	64.0-132	
Bromomethane	5.00	6.20	124	56.0-147	
n-Butylbenzene	5.00	4.53	90.6	68.0-135	
sec-Butylbenzene	5.00	5.12	102	74.0-130	
tert-Butylbenzene	5.00	5.18	104	75.0-127	
Carbon tetrachloride	5.00	5.96	119	66.0-128	
Chlorobenzene	5.00	4.75	95.0	76.0-128	
Chlorodibromomethane	5.00	4.90	98.0	74.0-127	
Chloroethane	5.00	6.49	130	61.0-134	
Chloroform	5.00	5.97	119	72.0-123	
Chloromethane	5.00	6.49	130	51.0-138	
2-Chlorotoluene	5.00	5.08	102	75.0-124	
4-Chlorotoluene	5.00	4.99	99.8	75.0-124	
1,2-Dibromo-3-Chloropropane	5.00	4.07	81.4	59.0-130	
1,2-Dibromoethane	5.00	4.85	97.0	74.0-128	
Dibromomethane	5.00	5.24	105	75.0-122	
1,2-Dichlorobenzene	5.00	4.87	97.4	76.0-124	
1,3-Dichlorobenzene	5.00	4.63	92.6	76.0-125	
1,4-Dichlorobenzene	5.00	4.52	90.4	77.0-121	
trans-1,4-Dichloro-2-butene	5.00	3.94	78.8	45.0-143	
Dichlorodifluoromethane	5.00	6.07	121	43.0-156	
1,1-Dichloroethane	5.00	5.85	117	70.0-127	
1,2-Dichloroethane	5.00	4.95	99.0	65.0-131	
1,1-Dichloroethene	5.00	6.49	130	65.0-131	
cis-1,2-Dichloroethene	5.00	5.90	118	73.0-125	
trans-1,2-Dichloroethene	5.00	6.62	132	71.0-125	J4
1,2-Dichloropropane	5.00	5.19	104	74.0-125	
1,1-Dichloropropene	5.00	5.48	110	73.0-125	
1,3-Dichloropropane	5.00	4.51	90.2	80.0-125	
cis-1,3-Dichloropropene	5.00	4.11	82.2	76.0-127	
trans-1,3-Dichloropropene	5.00	4.05	81.0	73.0-127	
2,2-Dichloropropane	5.00	2.85	57.0	59.0-135	J4
Di-isopropyl ether	5.00	5.72	114	60.0-136	
Ethylbenzene	5.00	4.80	96.0	74.0-126	
Ethyl ether	5.00	5.87	117	64.0-137	

Laboratory Control Sample (LCS)

(LCS) R3623680-1 02/21/21 09:25

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexachloro-1,3-butadiene	5.00	5.19	104	57.0-150	
Iodomethane	25.0	32.4	130	74.0-134	
Isopropylbenzene	5.00	4.93	98.6	72.0-127	
p-Isopropyltoluene	5.00	4.82	96.4	72.0-133	
2-Butanone (MEK)	25.0	29.4	118	30.0-160	
Methylene Chloride	5.00	5.98	120	68.0-123	
4-Methyl-2-pentanone (MIBK)	25.0	27.3	109	56.0-143	
Methyl tert-butyl ether	5.00	6.03	121	66.0-132	
Naphthalene	5.00	3.65	73.0	59.0-130	
n-Propylbenzene	5.00	4.89	97.8	74.0-126	
Styrene	5.00	4.81	96.2	72.0-127	
1,1,1,2-Tetrachloroethane	5.00	4.77	95.4	74.0-129	
1,1,2,2-Tetrachloroethane	5.00	3.28	65.6	68.0-128	J4
Tetrachloroethene	5.00	4.58	91.6	70.0-136	
Tetrahydrofuran	5.00	6.02	120	37.0-146	
Toluene	5.00	4.63	92.6	75.0-121	
1,1,2-Trichlorotrifluoroethane	5.00	5.12	102	61.0-139	
1,2,3-Trichlorobenzene	5.00	3.94	78.8	59.0-139	
1,2,4-Trichlorobenzene	5.00	4.13	82.6	62.0-137	
1,1,1-Trichloroethane	5.00	6.54	131	69.0-126	J4
1,1,2-Trichloroethane	5.00	5.02	100	78.0-123	
Trichloroethene	5.00	6.87	137	76.0-126	J4
Trichlorofluoromethane	5.00	5.66	113	61.0-142	
1,2,3-Trichloropropane	5.00	5.22	104	67.0-129	
1,2,3-Trimethylbenzene	5.00	5.98	120	74.0-124	
1,2,4-Trimethylbenzene	5.00	4.79	95.8	70.0-126	
1,3,5-Trimethylbenzene	5.00	4.92	98.4	73.0-127	
Vinyl chloride	5.00	5.94	119	63.0-134	
Xylenes, Total	15.0	14.9	99.3	72.0-127	
Allyl chloride	25.0	29.3	117	70.0-131	
(S) Toluene-d8			*94.4*	*75.0-131*	
(S) 4-Bromofluorobenzene			*103*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*111*	*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) R3624080-2 02/22/21 16:55

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
trans-1,2-Dichloroethene	U		0.0572	0.200
1,1,1-Trichloroethane	U		0.0110	0.100
(S) Toluene-d8	*99.7*			*75.0-131*
(S) 4-Bromofluorobenzene	*94.5*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*96.4*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3624080-1 02/22/21 16:13

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
trans-1,2-Dichloroethene	5.00	4.22	84.4	71.0-125	
1,1,1-Trichloroethane	5.00	4.29	85.8	69.0-126	
(S) Toluene-d8			*97.4*	*75.0-131*	
(S) 4-Bromofluorobenzene			*94.9*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*99.4*	*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

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
B	The same analyte is found in the associated blank.
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
C4	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.
C5	The reported concentration is an estimate. The continuing calibration standard associated with this data responded high. Data is likely to show a high bias concerning the result.
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.
J4	The associated batch QC was outside the established quality control range for accuracy.
V	The sample concentration is too high to evaluate accurate spike recoveries.

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

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN, 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
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]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
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		

Pace Analytical National 1313 Point Mallard Parkway SE Suite B Decatur, AL, 35601

Alabama	40160
ANSI National Accreditation Board	L2239

Pace Analytical National 660 Bercut Dr. Ste. C Sacramento, CA, 95811

California	2961	Oregon	CA300002
Minnesota	006-999-465	Washington	C926
North Dakota	R-214		

Pace Analytical National 6000 South Eastern Avenue Ste 9A Las Vegas, NV, 89119

Nevada	NV009412021-1

Pace Analytical National 1606 E. Brazos Street Suite D Victoria, TX, 77901

Texas	T104704328-20-18

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

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: H108

ALL SHADED AREAS are for LAB USE ONLY

Company: **PES Environmental, Inc.**	Billing Information: **Attn: Accounts Payable 1215 4th Ave STE 1350, Seattle, WA 98161**
Address: **1215 4th Ave STE 1350, Seattle, WA 98161**	
Report To: **Bill Haldeman/Brian O'Neal**	Email To: **bhaldeman@pesenv.com; boneal@pesenv.com**
Copy To: **Kim Vik, Shannon McKernan, Karsten Springstead**	Site Collection Info/Address: **700 Dexter Ave N**
Customer Project Name/Number: American Linen **1413.001.02.501E**	State: **WA** / County/City: **King/Seattle** Time Zone Collected: [x]PT [ ]MT [ ]CT [ ]ET
Phone: 206-529-3980 Email: **agilvezan@pesenv.com**	Site/Facility ID #: **1413.001.02.501E** 05.601
Collected By (print): Hannah Cohen/Ben H.	Purchase Order # : **1413.001.02.501E** Quote #: **PESENVSWA-ALP** 05.601
Collected By (signature): Hannah Cohen	Turnaround Date Required: Standard turn.
Sample Disposal: [✓] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)
	Compliance Monitoring? [x] Yes [ ] No
	DW PWS ID #: DW Location Code:
	Immediately Packed on Ice: [x] Yes [ ] No
	Field Filtered (if applicable): [ ] Yes [ ] No N/A Analysis: _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Container Preservative Type **

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Lab Project Manager:

Analyses

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	*NO3, SO4, Cl* 125mlHDPE-NoPres	Alkalinity 125mlHDPE-NoPres	EEM (RSK175LL) 40mlAmb-HCl	TOC 250mlAmb-HCl or 250mlHDPE-HCl	Total Fe, Mn 6020 250mlHDPE-HNO3	VOCs (8260ULLC)	GRO (NWTPH-Gx)	Sulfate			Lab Sample # / Comments
FMW-137-021221	GW	Grab	2/12/21	6:35				3						X					1317757-01
FMW-131-021221	GW	Grab		9:55				3						XX					02
GEI-2-021221	GW	Grab		11:30				3						XX					03
MW-949-021221	GW	Grab		800				8			XX	XX	XX	XX		XX			04
MW106-021221	GW	Grab		1250				8			XX	XX	XX	XX		XX			05
MW115-021221	GW	Grab		1510				9			X	X	X	X		X			06
TB-021221	GW	Grab		1530				1						X					07
	GW	Grab																	
	GW	Grab																	
	GW	Grab																	

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips: _____			
Sample pH Acceptable	Y	N	NA
pH Strips: _____			
Sulfide Present	Y	N	NA
Lead Acetate Strips: _____			

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #:

Samples received via: FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: _____
Cooler 1 Temp Upon Receipt: 2.9 oC
Cooler 1 Therm Corr. Factor: +1.1 oC
Cooler 1 Corrected Temp: 3.9 oC
Comments:

Relinquished by/Company: (Signature) Hannah Cohen	Date/Time: 2/12/21 1630	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature) N Rappas	Date/Time: 2-19-21 1415

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: 1

3.2 total + TB

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

February 26, 2021

Revised Report

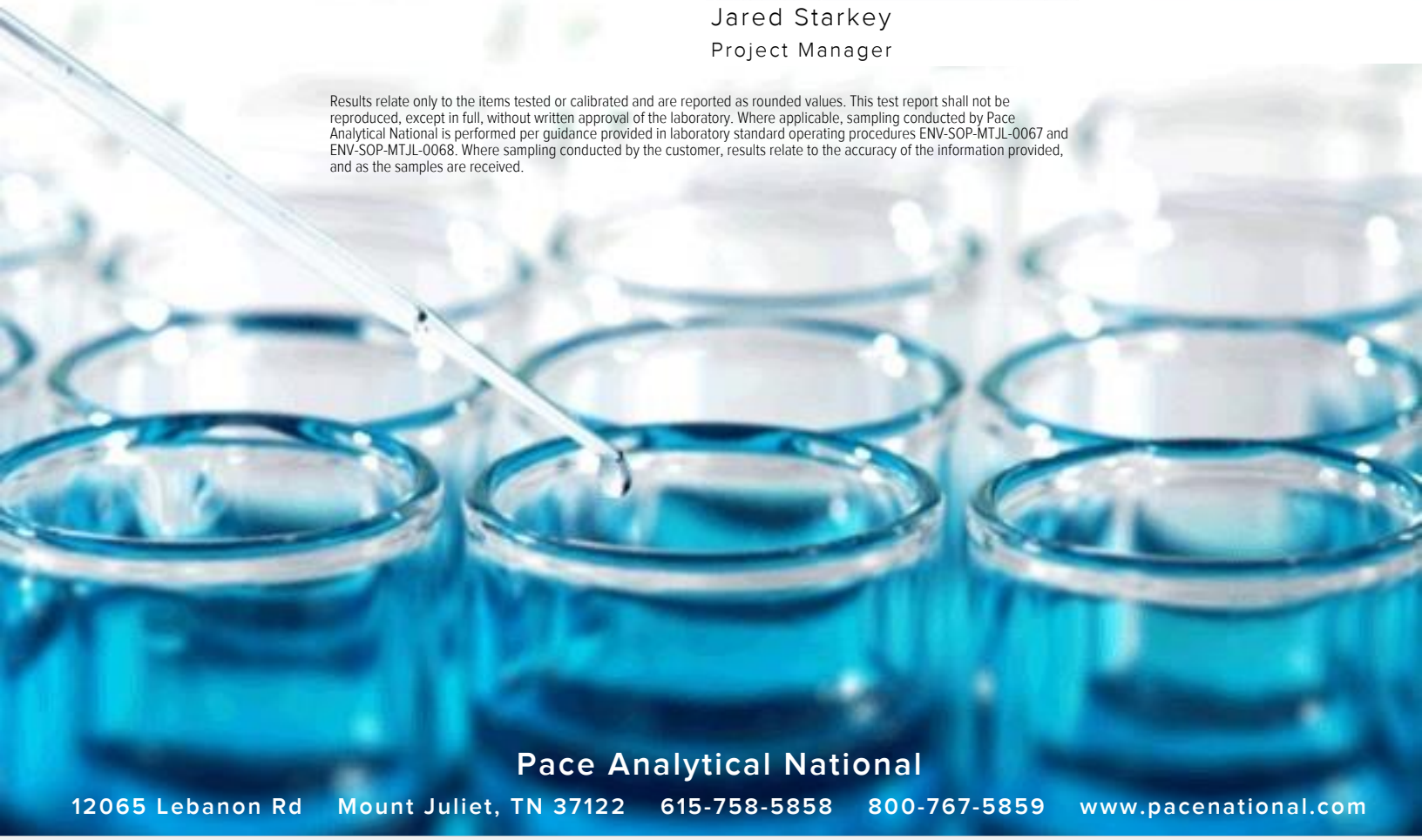
PES Environmental, Inc.- WA

Sample Delivery Group:	L1318319
Samples Received:	02/22/2021
Project Number:	1413.001.05.601
Description:	American Linen
Site:	1413.001.05.601
Report To:	Brian O'Neal/Bill Haldeman 1215 Fourth Ave., Suite 1310 Seattle, WA 98121

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace 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-179-021821 L1318319-01 GW

Collected by: HRC | Collected date/time: 02/18/21 10:45 | Received date/time: 02/22/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1624535	500	02/24/21 02:21	02/24/21 02:21	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1625020	2000	02/24/21 22:43	02/24/21 22:43	ADM	Mt. Juliet, TN

MW-178-021821 L1318319-02 GW

Collected by: HRC | Collected date/time: 02/18/21 11:20 | Received date/time: 02/22/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1624535	20	02/24/21 02:40	02/24/21 02:40	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1625020	50	02/24/21 23:02	02/24/21 23:02	ADM	Mt. Juliet, TN

MW-177-021821 L1318319-03 GW

Collected by: HRC | Collected date/time: 02/18/21 12:05 | Received date/time: 02/22/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1625020	200	02/24/21 23:21	02/24/21 23:21	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1625529	200	02/25/21 18:45	02/25/21 18:45	BMB	Mt. Juliet, TN

MW-180-021821 L1318319-04 GW

Collected by: HRC | Collected date/time: 02/18/21 15:40 | Received date/time: 02/22/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1624535	1	02/24/21 04:14	02/24/21 04:14	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1625020	5	02/24/21 23:40	02/24/21 23:40	ADM	Mt. Juliet, TN

MW-182-021921 L1318319-05 GW

Collected by: HRC | Collected date/time: 02/19/21 10:00 | Received date/time: 02/22/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1624535	500	02/24/21 03:17	02/24/21 03:17	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1625020	2000	02/24/21 23:59	02/24/21 23:59	ADM	Mt. Juliet, TN

MW-183-021921 L1318319-06 GW

Collected by: HRC | Collected date/time: 02/19/21 12:00 | Received date/time: 02/22/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1624535	1	02/23/21 23:49	02/23/21 23:49	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1625020	50	02/25/21 00:18	02/25/21 00:18	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1625529	250	02/25/21 19:04	02/25/21 19:04	BMB	Mt. Juliet, TN

MW-181-021921 L1318319-07 GW

Collected by: HRC | Collected date/time: 02/19/21 14:20 | Received date/time: 02/22/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1625020	100	02/25/21 00:37	02/25/21 00:37	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1625529	100	02/25/21 19:23	02/25/21 19:23	BMB	Mt. Juliet, TN

MW-184-021921 L1318319-08 GW

Collected by	Collected date/time	Received date/time
HRC	02/19/21 15:35	02/22/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1625020	10	02/25/21 00:56	02/25/21 00:56	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1625529	10	02/25/21 19:42	02/25/21 19:42	BMB	Mt. Juliet, TN

TB-021921 L1318319-09 GW

Collected by	Collected date/time	Received date/time
HRC	02/19/21 16:00	02/22/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1624535	1	02/23/21 22:33	02/23/21 22:33	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.

Jared Starkey
Project Manager

Report Revision History

Level II Report - Version 1: 02/26/21 10:01

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	524		274	500	500	02/24/2021 02:21	WG1624535
Acrylonitrile	U		38.0	250	500	02/24/2021 02:21	WG1624535
Benzene	U		8.00	20.0	500	02/24/2021 02:21	WG1624535
Bromobenzene	U		21.0	250	500	02/24/2021 02:21	WG1624535
Bromodichloromethane	U		15.8	50.0	500	02/24/2021 02:21	WG1624535
Bromoform	U		120	500	500	02/24/2021 02:21	WG1624535
Bromomethane	U		74.0	250	500	02/24/2021 02:21	WG1624535
n-Butylbenzene	U		76.5	250	500	02/24/2021 02:21	WG1624535
sec-Butylbenzene	U		50.5	250	500	02/24/2021 02:21	WG1624535
tert-Butylbenzene	U		31.0	100	500	02/24/2021 02:21	WG1624535
Carbon tetrachloride	U		21.6	100	500	02/24/2021 02:21	WG1624535
Chlorobenzene	U		11.5	50.0	500	02/24/2021 02:21	WG1624535
Chlorodibromomethane	U		9.00	50.0	500	02/24/2021 02:21	WG1624535
Chloroethane	U		21.6	100	500	02/24/2021 02:21	WG1624535
Chloroform	U		8.30	50.0	500	02/24/2021 02:21	WG1624535
Chloromethane	U		27.8	250	500	02/24/2021 02:21	WG1624535
2-Chlorotoluene	U		18.4	50.0	500	02/24/2021 02:21	WG1624535
4-Chlorotoluene	U		22.6	100	500	02/24/2021 02:21	WG1624535
1,2-Dibromo-3-Chloropropane	U		102	500	500	02/24/2021 02:21	WG1624535
1,2-Dibromoethane	U		10.5	50.0	500	02/24/2021 02:21	WG1624535
Dibromomethane	U		20.0	100	500	02/24/2021 02:21	WG1624535
1,2-Dichlorobenzene	U		29.0	100	500	02/24/2021 02:21	WG1624535
1,3-Dichlorobenzene	U		34.0	100	500	02/24/2021 02:21	WG1624535
1,4-Dichlorobenzene	U		39.4	100	500	02/24/2021 02:21	WG1624535
Dichlorodifluoromethane	U		16.4	50.0	500	02/24/2021 02:21	WG1624535
1,1-Dichloroethane	U		11.5	50.0	500	02/24/2021 02:21	WG1624535
1,2-Dichloroethane	U		9.50	50.0	500	02/24/2021 02:21	WG1624535
1,1-Dichloroethene	170		10.0	50.0	500	02/24/2021 02:21	WG1624535
cis-1,2-Dichloroethene	16600		55.2	200	2000	02/24/2021 22:43	WG1625020
trans-1,2-Dichloroethene	279		28.6	100	500	02/24/2021 02:21	WG1624535
1,2-Dichloropropane	U		25.4	100	500	02/24/2021 02:21	WG1624535
1,1-Dichloropropene	U		14.0	50.0	500	02/24/2021 02:21	WG1624535
1,3-Dichloropropane	U		35.0	100	500	02/24/2021 02:21	WG1624535
cis-1,3-Dichloropropene	U		13.6	50.0	500	02/24/2021 02:21	WG1624535
trans-1,3-Dichloropropene	U		30.6	100	500	02/24/2021 02:21	WG1624535
2,2-Dichloropropane	U		15.9	50.0	500	02/24/2021 02:21	WG1624535
Di-isopropyl ether	U		7.00	20.0	500	02/24/2021 02:21	WG1624535
Ethylbenzene	U		10.6	50.0	500	02/24/2021 02:21	WG1624535
Hexachloro-1,3-butadiene	U		254	500	500	02/24/2021 02:21	WG1624535
Isopropylbenzene	U		17.2	50.0	500	02/24/2021 02:21	WG1624535
p-Isopropyltoluene	U		46.6	100	500	02/24/2021 02:21	WG1624535
2-Butanone (MEK)	U		250	500	500	02/24/2021 02:21	WG1624535
Methylene Chloride	U		133	500	500	02/24/2021 02:21	WG1624535
4-Methyl-2-pentanone (MIBK)	U		200	500	500	02/24/2021 02:21	WG1624535
Methyl tert-butyl ether	U		5.90	20.0	500	02/24/2021 02:21	WG1624535
Naphthalene	U		62.0	250	500	02/24/2021 02:21	WG1624535
n-Propylbenzene	U		23.6	100	500	02/24/2021 02:21	WG1624535
Styrene	U		54.5	250	500	02/24/2021 02:21	WG1624535
1,1,1,2-Tetrachloroethane	U		10.0	50.0	500	02/24/2021 02:21	WG1624535
1,1,2,2-Tetrachloroethane	U		7.80	50.0	500	02/24/2021 02:21	WG1624535
1,1,2-Trichlorotrifluoroethane	U		13.5	50.0	500	02/24/2021 02:21	WG1624535
Tetrachloroethene	489		14.0	50.0	500	02/24/2021 02:21	WG1624535
Toluene	U		25.0	100	500	02/24/2021 02:21	WG1624535
1,2,3-Trichlorobenzene	U		12.5	250	500	02/24/2021 02:21	WG1624535
1,2,4-Trichlorobenzene	U		96.5	250	500	02/24/2021 02:21	WG1624535
1,1,1-Trichloroethane	U		5.50	50.0	500	02/24/2021 02:21	WG1624535

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		17.7	50.0	500	02/24/2021 02:21	WG1624535
Trichloroethene	110		8.00	20.0	500	02/24/2021 02:21	WG1624535
Trichlorofluoromethane	U		10.0	50.0	500	02/24/2021 02:21	WG1624535
1,2,3-Trichloropropane	U		102	250	500	02/24/2021 02:21	WG1624535
1,2,4-Trimethylbenzene	U		23.2	100	500	02/24/2021 02:21	WG1624535
1,2,3-Trimethylbenzene	U		23.0	100	500	02/24/2021 02:21	WG1624535
1,3,5-Trimethylbenzene	U		21.6	100	500	02/24/2021 02:21	WG1624535
Vinyl chloride	31300		13.6	50.0	500	02/24/2021 02:21	WG1624535
Xylenes, Total	U		95.5	130	500	02/24/2021 02:21	WG1624535
Ethyl Ether	U		8.50	50.0	500	02/24/2021 02:21	WG1624535
Tetrahydrofuran	U		45.0	250	500	02/24/2021 02:21	WG1624535
Iodomethane	U		121	250	500	02/24/2021 02:21	WG1624535
Allyl chloride	U		290	500	500	02/24/2021 02:21	WG1624535
Trans-1,4-Dichloro-2-butene	U		28.0	100	500	02/24/2021 02:21	WG1624535
(S) Toluene-d8	*91.4*			*75.0-131*		*02/24/2021 02:21*	WG1624535
(S) Toluene-d8	*90.6*			*75.0-131*		*02/24/2021 22:43*	WG1625020
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*02/24/2021 02:21*	WG1624535
(S) 4-Bromofluorobenzene	*107*			*67.0-138*		*02/24/2021 22:43*	WG1625020
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*02/24/2021 02:21*	WG1624535
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*02/24/2021 22:43*	WG1625020

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	29.5		11.0	20.0	20	02/24/2021 02:40	WG1624535
Acrylonitrile	U		1.52	10.0	20	02/24/2021 02:40	WG1624535
Benzene	0.500	J	0.320	0.800	20	02/24/2021 02:40	WG1624535
Bromobenzene	U		0.840	10.0	20	02/24/2021 02:40	WG1624535
Bromodichloromethane	U		0.630	2.00	20	02/24/2021 02:40	WG1624535
Bromoform	U		4.78	20.0	20	02/24/2021 02:40	WG1624535
Bromomethane	U		2.96	10.0	20	02/24/2021 02:40	WG1624535
n-Butylbenzene	U		3.06	10.0	20	02/24/2021 02:40	WG1624535
sec-Butylbenzene	U		2.02	10.0	20	02/24/2021 02:40	WG1624535
tert-Butylbenzene	U		1.24	4.00	20	02/24/2021 02:40	WG1624535
Carbon tetrachloride	U		0.864	4.00	20	02/24/2021 02:40	WG1624535
Chlorobenzene	U		0.458	2.00	20	02/24/2021 02:40	WG1624535
Chlorodibromomethane	U		0.360	2.00	20	02/24/2021 02:40	WG1624535
Chloroethane	U		0.864	4.00	20	02/24/2021 02:40	WG1624535
Chloroform	U		0.332	2.00	20	02/24/2021 02:40	WG1624535
Chloromethane	U		1.11	10.0	20	02/24/2021 02:40	WG1624535
2-Chlorotoluene	U		0.736	2.00	20	02/24/2021 02:40	WG1624535
4-Chlorotoluene	U		0.904	4.00	20	02/24/2021 02:40	WG1624535
1,2-Dibromo-3-Chloropropane	U		4.08	20.0	20	02/24/2021 02:40	WG1624535
1,2-Dibromoethane	U		0.420	2.00	20	02/24/2021 02:40	WG1624535
Dibromomethane	U		0.800	4.00	20	02/24/2021 02:40	WG1624535
1,2-Dichlorobenzene	U		1.16	4.00	20	02/24/2021 02:40	WG1624535
1,3-Dichlorobenzene	U		1.36	4.00	20	02/24/2021 02:40	WG1624535
1,4-Dichlorobenzene	U		1.58	4.00	20	02/24/2021 02:40	WG1624535
Dichlorodifluoromethane	U		0.654	2.00	20	02/24/2021 02:40	WG1624535
1,1-Dichloroethane	U		0.460	2.00	20	02/24/2021 02:40	WG1624535
1,2-Dichloroethane	U		0.380	2.00	20	02/24/2021 02:40	WG1624535
1,1-Dichloroethene	3.02		0.400	2.00	20	02/24/2021 02:40	WG1624535
cis-1,2-Dichloroethene	2540		1.38	5.00	50	02/24/2021 23:02	WG1625020
trans-1,2-Dichloroethene	34.3		1.14	4.00	20	02/24/2021 02:40	WG1624535
1,2-Dichloropropane	U		1.02	4.00	20	02/24/2021 02:40	WG1624535
1,1-Dichloropropene	U		0.560	2.00	20	02/24/2021 02:40	WG1624535
1,3-Dichloropropane	U		1.40	4.00	20	02/24/2021 02:40	WG1624535
cis-1,3-Dichloropropene	U		0.542	2.00	20	02/24/2021 02:40	WG1624535
trans-1,3-Dichloropropene	U		1.22	4.00	20	02/24/2021 02:40	WG1624535
2,2-Dichloropropane	U		0.634	2.00	20	02/24/2021 02:40	WG1624535
Di-isopropyl ether	U		0.280	0.800	20	02/24/2021 02:40	WG1624535
Ethylbenzene	U		0.424	2.00	20	02/24/2021 02:40	WG1624535
Hexachloro-1,3-butadiene	U		10.2	20.0	20	02/24/2021 02:40	WG1624535
Isopropylbenzene	U		0.690	2.00	20	02/24/2021 02:40	WG1624535
p-Isopropyltoluene	U		1.86	4.00	20	02/24/2021 02:40	WG1624535
2-Butanone (MEK)	U		10.0	20.0	20	02/24/2021 02:40	WG1624535
Methylene Chloride	U		5.30	20.0	20	02/24/2021 02:40	WG1624535
4-Methyl-2-pentanone (MIBK)	U		8.00	20.0	20	02/24/2021 02:40	WG1624535
Methyl tert-butyl ether	U		0.236	0.800	20	02/24/2021 02:40	WG1624535
Naphthalene	U		2.48	10.0	20	02/24/2021 02:40	WG1624535
n-Propylbenzene	U		0.944	4.00	20	02/24/2021 02:40	WG1624535
Styrene	U		2.18	10.0	20	02/24/2021 02:40	WG1624535
1,1,1,2-Tetrachloroethane	U		0.400	2.00	20	02/24/2021 02:40	WG1624535
1,1,2,2-Tetrachloroethane	U		0.312	2.00	20	02/24/2021 02:40	WG1624535
1,1,2-Trichlorotrifluoroethane	U		0.540	2.00	20	02/24/2021 02:40	WG1624535
Tetrachloroethene	2.40		0.560	2.00	20	02/24/2021 02:40	WG1624535
Toluene	U		1.00	4.00	20	02/24/2021 02:40	WG1624535
1,2,3-Trichlorobenzene	U		0.500	10.0	20	02/24/2021 02:40	WG1624535
1,2,4-Trichlorobenzene	U		3.86	10.0	20	02/24/2021 02:40	WG1624535
1,1,1-Trichloroethane	U		0.220	2.00	20	02/24/2021 02:40	WG1624535

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.706	2.00	20	02/24/2021 02:40	WG1624535
Trichloroethene	0.840		0.320	0.800	20	02/24/2021 02:40	WG1624535
Trichlorofluoromethane	U		0.400	2.00	20	02/24/2021 02:40	WG1624535
1,2,3-Trichloropropane	U		4.08	10.0	20	02/24/2021 02:40	WG1624535
1,2,4-Trimethylbenzene	U		0.928	4.00	20	02/24/2021 02:40	WG1624535
1,2,3-Trimethylbenzene	U		0.920	4.00	20	02/24/2021 02:40	WG1624535
1,3,5-Trimethylbenzene	U		0.864	4.00	20	02/24/2021 02:40	WG1624535
Vinyl chloride	1230		0.546	2.00	20	02/24/2021 02:40	WG1624535
Xylenes, Total	U		3.82	5.20	20	02/24/2021 02:40	WG1624535
Ethyl Ether	U		0.340	2.00	20	02/24/2021 02:40	WG1624535
Tetrahydrofuran	4.24	J	1.80	10.0	20	02/24/2021 02:40	WG1624535
Iodomethane	U		4.84	10.0	20	02/24/2021 02:40	WG1624535
Allyl chloride	U		11.6	20.0	20	02/24/2021 02:40	WG1624535
Trans-1,4-Dichloro-2-butene	U		1.12	4.00	20	02/24/2021 02:40	WG1624535
(S) Toluene-d8	*89.3*			*75.0-131*		*02/24/2021 02:40*	WG1624535
(S) Toluene-d8	*89.6*			*75.0-131*		*02/24/2021 23:02*	WG1625020
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*02/24/2021 02:40*	WG1624535
(S) 4-Bromofluorobenzene	*109*			*67.0-138*		*02/24/2021 23:02*	WG1625020
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*02/24/2021 02:40*	WG1624535
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*02/24/2021 23:02*	WG1625020

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		110	200	200	02/24/2021 23:21	WG1625020
Acrylonitrile	U		15.2	100	200	02/24/2021 23:21	WG1625020
Benzene	U		3.20	8.00	200	02/24/2021 23:21	WG1625020
Bromobenzene	U		8.40	100	200	02/24/2021 23:21	WG1625020
Bromodichloromethane	U		6.30	20.0	200	02/24/2021 23:21	WG1625020
Bromoform	U		47.8	200	200	02/24/2021 23:21	WG1625020
Bromomethane	U		29.6	100	200	02/24/2021 23:21	WG1625020
n-Butylbenzene	U		30.6	100	200	02/24/2021 23:21	WG1625020
sec-Butylbenzene	U		20.2	100	200	02/24/2021 23:21	WG1625020
tert-Butylbenzene	U		12.4	40.0	200	02/24/2021 23:21	WG1625020
Carbon tetrachloride	U		8.64	40.0	200	02/24/2021 23:21	WG1625020
Chlorobenzene	U		4.58	20.0	200	02/24/2021 23:21	WG1625020
Chlorodibromomethane	U		3.60	20.0	200	02/24/2021 23:21	WG1625020
Chloroethane	50.2		8.64	40.0	200	02/25/2021 18:45	WG1625529
Chloroform	U		3.32	20.0	200	02/24/2021 23:21	WG1625020
Chloromethane	U		11.1	100	200	02/24/2021 23:21	WG1625020
2-Chlorotoluene	U		7.36	20.0	200	02/24/2021 23:21	WG1625020
4-Chlorotoluene	U		9.04	40.0	200	02/24/2021 23:21	WG1625020
1,2-Dibromo-3-Chloropropane	U		40.8	200	200	02/24/2021 23:21	WG1625020
1,2-Dibromoethane	U		4.20	20.0	200	02/24/2021 23:21	WG1625020
Dibromomethane	U		8.00	40.0	200	02/24/2021 23:21	WG1625020
1,2-Dichlorobenzene	U		11.6	40.0	200	02/24/2021 23:21	WG1625020
1,3-Dichlorobenzene	U		13.6	40.0	200	02/24/2021 23:21	WG1625020
1,4-Dichlorobenzene	U		15.8	40.0	200	02/24/2021 23:21	WG1625020
Dichlorodifluoromethane	U		6.54	20.0	200	02/24/2021 23:21	WG1625020
1,1-Dichloroethane	U		4.60	20.0	200	02/24/2021 23:21	WG1625020
1,2-Dichloroethane	U		3.80	20.0	200	02/24/2021 23:21	WG1625020
1,1-Dichloroethene	34.4		4.00	20.0	200	02/25/2021 18:45	WG1625529
cis-1,2-Dichloroethene	12800		5.52	20.0	200	02/24/2021 23:21	WG1625020
trans-1,2-Dichloroethene	50.0		11.4	40.0	200	02/25/2021 18:45	WG1625529
1,2-Dichloropropane	U		10.2	40.0	200	02/24/2021 23:21	WG1625020
1,1-Dichloropropene	U		5.60	20.0	200	02/24/2021 23:21	WG1625020
1,3-Dichloropropane	U		14.0	40.0	200	02/24/2021 23:21	WG1625020
cis-1,3-Dichloropropene	U		5.42	20.0	200	02/24/2021 23:21	WG1625020
trans-1,3-Dichloropropene	U		12.2	40.0	200	02/24/2021 23:21	WG1625020
2,2-Dichloropropane	U	J4	6.34	20.0	200	02/24/2021 23:21	WG1625020
Di-isopropyl ether	U		2.80	8.00	200	02/24/2021 23:21	WG1625020
Ethylbenzene	U		4.24	20.0	200	02/24/2021 23:21	WG1625020
Hexachloro-1,3-butadiene	U		102	200	200	02/24/2021 23:21	WG1625020
Isopropylbenzene	U		6.90	20.0	200	02/24/2021 23:21	WG1625020
p-Isopropyltoluene	U		18.6	40.0	200	02/24/2021 23:21	WG1625020
2-Butanone (MEK)	U		100	200	200	02/24/2021 23:21	WG1625020
Methylene Chloride	U		53.0	200	200	02/24/2021 23:21	WG1625020
4-Methyl-2-pentanone (MIBK)	U		80.0	200	200	02/24/2021 23:21	WG1625020
Methyl tert-butyl ether	U		2.36	8.00	200	02/24/2021 23:21	WG1625020
Naphthalene	U	C3	24.8	100	200	02/24/2021 23:21	WG1625020
n-Propylbenzene	U		9.44	40.0	200	02/24/2021 23:21	WG1625020
Styrene	U		21.8	100	200	02/24/2021 23:21	WG1625020
1,1,1,2-Tetrachloroethane	U		4.00	20.0	200	02/24/2021 23:21	WG1625020
1,1,2,2-Tetrachloroethane	U		3.12	20.0	200	02/24/2021 23:21	WG1625020
1,1,2-Trichlorotrifluoroethane	U		5.40	20.0	200	02/24/2021 23:21	WG1625020
Tetrachloroethene	10900		5.60	20.0	200	02/24/2021 23:21	WG1625020
Toluene	U		10.0	40.0	200	02/24/2021 23:21	WG1625020
1,2,3-Trichlorobenzene	U	C4	5.00	100	200	02/24/2021 23:21	WG1625020
1,2,4-Trichlorobenzene	U	C4	38.6	100	200	02/24/2021 23:21	WG1625020
1,1,1-Trichloroethane	U	J4	2.20	20.0	200	02/24/2021 23:21	WG1625020

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		7.06	20.0	200	02/24/2021 23:21	WG1625020
Trichloroethene	2010		3.20	8.00	200	02/24/2021 23:21	WG1625020
Trichlorofluoromethane	U		4.00	20.0	200	02/24/2021 23:21	WG1625020
1,2,3-Trichloropropane	U		40.8	100	200	02/24/2021 23:21	WG1625020
1,2,4-Trimethylbenzene	U		9.28	40.0	200	02/24/2021 23:21	WG1625020
1,2,3-Trimethylbenzene	U	J4	9.20	40.0	200	02/24/2021 23:21	WG1625020
1,3,5-Trimethylbenzene	U		8.64	40.0	200	02/24/2021 23:21	WG1625020
Vinyl chloride	6310		5.46	20.0	200	02/24/2021 23:21	WG1625020
Xylenes, Total	U		38.2	52.0	200	02/24/2021 23:21	WG1625020
Ethyl Ether	U		3.40	20.0	200	02/24/2021 23:21	WG1625020
Tetrahydrofuran	U		18.0	100	200	02/24/2021 23:21	WG1625020
Iodomethane	U		48.4	100	200	02/24/2021 23:21	WG1625020
Allyl chloride	U	J4	116	200	200	02/24/2021 23:21	WG1625020
Trans-1,4-Dichloro-2-butene	U		11.2	40.0	200	02/24/2021 23:21	WG1625020
(S) Toluene-d8	*91.3*			*75.0-131*		*02/24/2021 23:21*	WG1625020
(S) Toluene-d8	*99.0*			*75.0-131*		*02/25/2021 18:45*	WG1625529
(S) 4-Bromofluorobenzene	*109*			*67.0-138*		*02/24/2021 23:21*	WG1625020
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*02/25/2021 18:45*	WG1625529
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*02/24/2021 23:21*	WG1625020
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*02/25/2021 18:45*	WG1625529

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.24		0.548	1.00	1	02/24/2021 04:14	WG1624535
Acrylonitrile	U		0.0760	0.500	1	02/24/2021 04:14	WG1624535
Benzene	U		0.0160	0.0400	1	02/24/2021 04:14	WG1624535
Bromobenzene	U		0.0420	0.500	1	02/24/2021 04:14	WG1624535
Bromodichloromethane	U		0.0315	0.100	1	02/24/2021 04:14	WG1624535
Bromoform	U		0.239	1.00	1	02/24/2021 04:14	WG1624535
Bromomethane	U		0.148	0.500	1	02/24/2021 04:14	WG1624535
n-Butylbenzene	U		0.153	0.500	1	02/24/2021 04:14	WG1624535
sec-Butylbenzene	U		0.101	0.500	1	02/24/2021 04:14	WG1624535
tert-Butylbenzene	U		0.0620	0.200	1	02/24/2021 04:14	WG1624535
Carbon tetrachloride	U		0.0432	0.200	1	02/24/2021 04:14	WG1624535
Chlorobenzene	U		0.0229	0.100	1	02/24/2021 04:14	WG1624535
Chlorodibromomethane	U		0.0180	0.100	1	02/24/2021 04:14	WG1624535
Chloroethane	5.00		0.0432	0.200	1	02/24/2021 04:14	WG1624535
Chloroform	U		0.0166	0.100	1	02/24/2021 04:14	WG1624535
Chloromethane	U		0.0556	0.500	1	02/24/2021 04:14	WG1624535
2-Chlorotoluene	U		0.0368	0.100	1	02/24/2021 04:14	WG1624535
4-Chlorotoluene	U		0.0452	0.200	1	02/24/2021 04:14	WG1624535
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/24/2021 04:14	WG1624535
1,2-Dibromoethane	U		0.0210	0.100	1	02/24/2021 04:14	WG1624535
Dibromomethane	U		0.0400	0.200	1	02/24/2021 04:14	WG1624535
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/24/2021 04:14	WG1624535
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/24/2021 04:14	WG1624535
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/24/2021 04:14	WG1624535
Dichlorodifluoromethane	U		0.0327	0.100	1	02/24/2021 04:14	WG1624535
1,1-Dichloroethane	U		0.0230	0.100	1	02/24/2021 04:14	WG1624535
1,2-Dichloroethane	U		0.0190	0.100	1	02/24/2021 04:14	WG1624535
1,1-Dichloroethene	2.59		0.0200	0.100	1	02/24/2021 04:14	WG1624535
cis-1,2-Dichloroethene	162		0.138	0.500	5	02/24/2021 23:40	WG1625020
trans-1,2-Dichloroethene	3.46		0.0572	0.200	1	02/24/2021 04:14	WG1624535
1,2-Dichloropropane	U		0.0508	0.200	1	02/24/2021 04:14	WG1624535
1,1-Dichloropropene	U		0.0280	0.100	1	02/24/2021 04:14	WG1624535
1,3-Dichloropropane	U		0.0700	0.200	1	02/24/2021 04:14	WG1624535
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/24/2021 04:14	WG1624535
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/24/2021 04:14	WG1624535
2,2-Dichloropropane	U		0.0317	0.100	1	02/24/2021 04:14	WG1624535
Di-isopropyl ether	U		0.0140	0.0400	1	02/24/2021 04:14	WG1624535
Ethylbenzene	U		0.0212	0.100	1	02/24/2021 04:14	WG1624535
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/24/2021 04:14	WG1624535
Isopropylbenzene	U		0.0345	0.100	1	02/24/2021 04:14	WG1624535
p-Isopropyltoluene	U		0.0932	0.200	1	02/24/2021 04:14	WG1624535
2-Butanone (MEK)	U		0.500	1.00	1	02/24/2021 04:14	WG1624535
Methylene Chloride	U		0.265	1.00	1	02/24/2021 04:14	WG1624535
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/24/2021 04:14	WG1624535
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/24/2021 04:14	WG1624535
Naphthalene	U		0.124	0.500	1	02/24/2021 04:14	WG1624535
n-Propylbenzene	U		0.0472	0.200	1	02/24/2021 04:14	WG1624535
Styrene	U		0.109	0.500	1	02/24/2021 04:14	WG1624535
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/24/2021 04:14	WG1624535
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/24/2021 04:14	WG1624535
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/24/2021 04:14	WG1624535
Tetrachloroethene	46.8		0.0280	0.100	1	02/24/2021 04:14	WG1624535
Toluene	U		0.0500	0.200	1	02/24/2021 04:14	WG1624535
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/24/2021 04:14	WG1624535
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/24/2021 04:14	WG1624535
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/24/2021 04:14	WG1624535

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/24/2021 04:14	WG1624535
Trichloroethene	8.00		0.0160	0.0400	1	02/24/2021 04:14	WG1624535
Trichlorofluoromethane	U		0.0200	0.100	1	02/24/2021 04:14	WG1624535
1,2,3-Trichloropropane	U		0.204	0.500	1	02/24/2021 04:14	WG1624535
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/24/2021 04:14	WG1624535
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/24/2021 04:14	WG1624535
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/24/2021 04:14	WG1624535
Vinyl chloride	308		0.137	0.500	5	02/24/2021 23:40	WG1625020
Xylenes, Total	U		0.191	0.260	1	02/24/2021 04:14	WG1624535
Ethyl Ether	U		0.0170	0.100	1	02/24/2021 04:14	WG1624535
Tetrahydrofuran	0.235	J	0.0900	0.500	1	02/24/2021 04:14	WG1624535
Iodomethane	U		0.242	0.500	1	02/24/2021 04:14	WG1624535
Allyl chloride	U		0.580	1.00	1	02/24/2021 04:14	WG1624535
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/24/2021 04:14	WG1624535
(S) Toluene-d8	*92.4*			*75.0-131*		*02/24/2021 04:14*	WG1624535
(S) Toluene-d8	*90.1*			*75.0-131*		*02/24/2021 23:40*	WG1625020
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*02/24/2021 04:14*	WG1624535
(S) 4-Bromofluorobenzene	*110*			*67.0-138*		*02/24/2021 23:40*	WG1625020
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*02/24/2021 04:14*	WG1624535
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*02/24/2021 23:40*	WG1625020

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	667		274	500	500	02/24/2021 03:17	WG1624535
Acrylonitrile	U		38.0	250	500	02/24/2021 03:17	WG1624535
Benzene	U		8.00	20.0	500	02/24/2021 03:17	WG1624535
Bromobenzene	U		21.0	250	500	02/24/2021 03:17	WG1624535
Bromodichloromethane	U		15.8	50.0	500	02/24/2021 03:17	WG1624535
Bromoform	U		120	500	500	02/24/2021 03:17	WG1624535
Bromomethane	U		74.0	250	500	02/24/2021 03:17	WG1624535
n-Butylbenzene	U		76.5	250	500	02/24/2021 03:17	WG1624535
sec-Butylbenzene	U		50.5	250	500	02/24/2021 03:17	WG1624535
tert-Butylbenzene	U		31.0	100	500	02/24/2021 03:17	WG1624535
Carbon tetrachloride	U		21.6	100	500	02/24/2021 03:17	WG1624535
Chlorobenzene	U		11.5	50.0	500	02/24/2021 03:17	WG1624535
Chlorodibromomethane	U		9.00	50.0	500	02/24/2021 03:17	WG1624535
Chloroethane	U		21.6	100	500	02/24/2021 03:17	WG1624535
Chloroform	U		8.30	50.0	500	02/24/2021 03:17	WG1624535
Chloromethane	U		27.8	250	500	02/24/2021 03:17	WG1624535
2-Chlorotoluene	U		18.4	50.0	500	02/24/2021 03:17	WG1624535
4-Chlorotoluene	U		22.6	100	500	02/24/2021 03:17	WG1624535
1,2-Dibromo-3-Chloropropane	U		102	500	500	02/24/2021 03:17	WG1624535
1,2-Dibromoethane	U		10.5	50.0	500	02/24/2021 03:17	WG1624535
Dibromomethane	U		20.0	100	500	02/24/2021 03:17	WG1624535
1,2-Dichlorobenzene	U		29.0	100	500	02/24/2021 03:17	WG1624535
1,3-Dichlorobenzene	U		34.0	100	500	02/24/2021 03:17	WG1624535
1,4-Dichlorobenzene	U		39.4	100	500	02/24/2021 03:17	WG1624535
Dichlorodifluoromethane	U		16.4	50.0	500	02/24/2021 03:17	WG1624535
1,1-Dichloroethane	U		11.5	50.0	500	02/24/2021 03:17	WG1624535
1,2-Dichloroethane	U		9.50	50.0	500	02/24/2021 03:17	WG1624535
1,1-Dichloroethene	163		10.0	50.0	500	02/24/2021 03:17	WG1624535
cis-1,2-Dichloroethene	87400		55.2	200	2000	02/24/2021 23:59	WG1625020
trans-1,2-Dichloroethene	269		28.6	100	500	02/24/2021 03:17	WG1624535
1,2-Dichloropropane	U		25.4	100	500	02/24/2021 03:17	WG1624535
1,1-Dichloropropene	U		14.0	50.0	500	02/24/2021 03:17	WG1624535
1,3-Dichloropropane	U		35.0	100	500	02/24/2021 03:17	WG1624535
cis-1,3-Dichloropropene	U		13.6	50.0	500	02/24/2021 03:17	WG1624535
trans-1,3-Dichloropropene	U		30.6	100	500	02/24/2021 03:17	WG1624535
2,2-Dichloropropane	U		15.9	50.0	500	02/24/2021 03:17	WG1624535
Di-isopropyl ether	U		7.00	20.0	500	02/24/2021 03:17	WG1624535
Ethylbenzene	U		10.6	50.0	500	02/24/2021 03:17	WG1624535
Hexachloro-1,3-butadiene	U		254	500	500	02/24/2021 03:17	WG1624535
Isopropylbenzene	U		17.2	50.0	500	02/24/2021 03:17	WG1624535
p-Isopropyltoluene	U		46.6	100	500	02/24/2021 03:17	WG1624535
2-Butanone (MEK)	U		250	500	500	02/24/2021 03:17	WG1624535
Methylene Chloride	U		133	500	500	02/24/2021 03:17	WG1624535
4-Methyl-2-pentanone (MIBK)	U		200	500	500	02/24/2021 03:17	WG1624535
Methyl tert-butyl ether	U		5.90	20.0	500	02/24/2021 03:17	WG1624535
Naphthalene	U		62.0	250	500	02/24/2021 03:17	WG1624535
n-Propylbenzene	U		23.6	100	500	02/24/2021 03:17	WG1624535
Styrene	U		54.5	250	500	02/24/2021 03:17	WG1624535
1,1,1,2-Tetrachloroethane	U		10.0	50.0	500	02/24/2021 03:17	WG1624535
1,1,2,2-Tetrachloroethane	U		7.80	50.0	500	02/24/2021 03:17	WG1624535
1,1,2-Trichlorotrifluoroethane	U		13.5	50.0	500	02/24/2021 03:17	WG1624535
Tetrachloroethene	259		14.0	50.0	500	02/24/2021 03:17	WG1624535
Toluene	U		25.0	100	500	02/24/2021 03:17	WG1624535
1,2,3-Trichlorobenzene	U		12.5	250	500	02/24/2021 03:17	WG1624535
1,2,4-Trichlorobenzene	U		96.5	250	500	02/24/2021 03:17	WG1624535
1,1,1-Trichloroethane	U		5.50	50.0	500	02/24/2021 03:17	WG1624535

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		17.7	50.0	500	02/24/2021 03:17	WG1624535
Trichloroethene	99.5		8.00	20.0	500	02/24/2021 03:17	WG1624535
Trichlorofluoromethane	U		10.0	50.0	500	02/24/2021 03:17	WG1624535
1,2,3-Trichloropropane	U		102	250	500	02/24/2021 03:17	WG1624535
1,2,4-Trimethylbenzene	U		23.2	100	500	02/24/2021 03:17	WG1624535
1,2,3-Trimethylbenzene	U		23.0	100	500	02/24/2021 03:17	WG1624535
1,3,5-Trimethylbenzene	U		21.6	100	500	02/24/2021 03:17	WG1624535
Vinyl chloride	31100		13.6	50.0	500	02/24/2021 03:17	WG1624535
Xylenes, Total	U		95.5	130	500	02/24/2021 03:17	WG1624535
Ethyl Ether	U		8.50	50.0	500	02/24/2021 03:17	WG1624535
Tetrahydrofuran	U		45.0	250	500	02/24/2021 03:17	WG1624535
Iodomethane	U		121	250	500	02/24/2021 03:17	WG1624535
Allyl chloride	U		290	500	500	02/24/2021 03:17	WG1624535
Trans-1,4-Dichloro-2-butene	U		28.0	100	500	02/24/2021 03:17	WG1624535
(S) Toluene-d8	*91.6*			*75.0-131*		*02/24/2021 03:17*	WG1624535
(S) Toluene-d8	*91.0*			*75.0-131*		*02/24/2021 23:59*	WG1625020
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*02/24/2021 03:17*	WG1624535
(S) 4-Bromofluorobenzene	*109*			*67.0-138*		*02/24/2021 23:59*	WG1625020
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*02/24/2021 03:17*	WG1624535
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*02/24/2021 23:59*	WG1625020

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.94		0.548	1.00	1	02/23/2021 23:49	WG1624535
Acrylonitrile	U		0.0760	0.500	1	02/23/2021 23:49	WG1624535
Benzene	0.0510		0.0160	0.0400	1	02/23/2021 23:49	WG1624535
Bromobenzene	U		0.0420	0.500	1	02/23/2021 23:49	WG1624535
Bromodichloromethane	U		0.0315	0.100	1	02/23/2021 23:49	WG1624535
Bromoform	U		0.239	1.00	1	02/23/2021 23:49	WG1624535
Bromomethane	U		0.148	0.500	1	02/23/2021 23:49	WG1624535
n-Butylbenzene	U		0.153	0.500	1	02/23/2021 23:49	WG1624535
sec-Butylbenzene	U		0.101	0.500	1	02/23/2021 23:49	WG1624535
tert-Butylbenzene	U		0.0620	0.200	1	02/23/2021 23:49	WG1624535
Carbon tetrachloride	U		0.0432	0.200	1	02/23/2021 23:49	WG1624535
Chlorobenzene	U		0.0229	0.100	1	02/23/2021 23:49	WG1624535
Chlorodibromomethane	U		0.0180	0.100	1	02/23/2021 23:49	WG1624535
Chloroethane	U		0.0432	0.200	1	02/23/2021 23:49	WG1624535
Chloroform	U		0.0166	0.100	1	02/23/2021 23:49	WG1624535
Chloromethane	U		0.0556	0.500	1	02/23/2021 23:49	WG1624535
2-Chlorotoluene	U		0.0368	0.100	1	02/23/2021 23:49	WG1624535
4-Chlorotoluene	U		0.0452	0.200	1	02/23/2021 23:49	WG1624535
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/23/2021 23:49	WG1624535
1,2-Dibromoethane	U		0.0210	0.100	1	02/23/2021 23:49	WG1624535
Dibromomethane	U		0.0400	0.200	1	02/23/2021 23:49	WG1624535
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/23/2021 23:49	WG1624535
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/23/2021 23:49	WG1624535
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/23/2021 23:49	WG1624535
Dichlorodifluoromethane	U		0.0327	0.100	1	02/23/2021 23:49	WG1624535
1,1-Dichloroethane	U		0.0230	0.100	1	02/23/2021 23:49	WG1624535
1,2-Dichloroethane	U		0.0190	0.100	1	02/23/2021 23:49	WG1624535
1,1-Dichloroethene	16.2		0.0200	0.100	1	02/23/2021 23:49	WG1624535
cis-1,2-Dichloroethene	4950		6.90	25.0	250	02/25/2021 19:04	WG1625529
trans-1,2-Dichloroethene	12.3		0.0572	0.200	1	02/23/2021 23:49	WG1624535
1,2-Dichloropropane	U		0.0508	0.200	1	02/23/2021 23:49	WG1624535
1,1-Dichloropropene	U		0.0280	0.100	1	02/23/2021 23:49	WG1624535
1,3-Dichloropropane	U		0.0700	0.200	1	02/23/2021 23:49	WG1624535
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/23/2021 23:49	WG1624535
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/23/2021 23:49	WG1624535
2,2-Dichloropropane	U		0.0317	0.100	1	02/23/2021 23:49	WG1624535
Di-isopropyl ether	U		0.0140	0.0400	1	02/23/2021 23:49	WG1624535
Ethylbenzene	U		0.0212	0.100	1	02/23/2021 23:49	WG1624535
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/23/2021 23:49	WG1624535
Isopropylbenzene	U		0.0345	0.100	1	02/23/2021 23:49	WG1624535
p-Isopropyltoluene	U		0.0932	0.200	1	02/23/2021 23:49	WG1624535
2-Butanone (MEK)	U		0.500	1.00	1	02/23/2021 23:49	WG1624535
Methylene Chloride	U		0.265	1.00	1	02/23/2021 23:49	WG1624535
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/23/2021 23:49	WG1624535
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/23/2021 23:49	WG1624535
Naphthalene	U		0.124	0.500	1	02/23/2021 23:49	WG1624535
n-Propylbenzene	U		0.0472	0.200	1	02/23/2021 23:49	WG1624535
Styrene	U		0.109	0.500	1	02/23/2021 23:49	WG1624535
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/23/2021 23:49	WG1624535
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/23/2021 23:49	WG1624535
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/23/2021 23:49	WG1624535
Tetrachloroethene	2.28		0.0280	0.100	1	02/23/2021 23:49	WG1624535
Toluene	0.131	J	0.0500	0.200	1	02/23/2021 23:49	WG1624535
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/23/2021 23:49	WG1624535
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/23/2021 23:49	WG1624535
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/23/2021 23:49	WG1624535

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/23/2021 23:49	WG1624535
Trichloroethene	17.3		0.0160	0.0400	1	02/23/2021 23:49	WG1624535
Trichlorofluoromethane	U		0.0200	0.100	1	02/23/2021 23:49	WG1624535
1,2,3-Trichloropropane	U		0.204	0.500	1	02/23/2021 23:49	WG1624535
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/23/2021 23:49	WG1624535
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/23/2021 23:49	WG1624535
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/23/2021 23:49	WG1624535
Vinyl chloride	2260		1.36	5.00	50	02/25/2021 00:18	WG1625020
Xylenes, Total	U		0.191	0.260	1	02/23/2021 23:49	WG1624535
Ethyl Ether	U		0.0170	0.100	1	02/23/2021 23:49	WG1624535
Tetrahydrofuran	U		0.0900	0.500	1	02/23/2021 23:49	WG1624535
Iodomethane	U		0.242	0.500	1	02/23/2021 23:49	WG1624535
Allyl chloride	U		0.580	1.00	1	02/23/2021 23:49	WG1624535
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/23/2021 23:49	WG1624535
(S) Toluene-d8	*94.9*			*75.0-131*		*02/23/2021 23:49*	WG1624535
(S) Toluene-d8	*90.9*			*75.0-131*		*02/25/2021 00:18*	WG1625020
(S) Toluene-d8	*98.6*			*75.0-131*		*02/25/2021 19:04*	WG1625529
(S) 4-Bromofluorobenzene	*99.1*			*67.0-138*		*02/23/2021 23:49*	WG1624535
(S) 4-Bromofluorobenzene	*109*			*67.0-138*		*02/25/2021 00:18*	WG1625020
(S) 4-Bromofluorobenzene	*98.8*			*67.0-138*		*02/25/2021 19:04*	WG1625529
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*02/23/2021 23:49*	WG1624535
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*02/25/2021 00:18*	WG1625020
(S) 1,2-Dichloroethane-d4	*98.4*			*70.0-130*		*02/25/2021 19:04*	WG1625529

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 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		54.8	100	100	02/25/2021 00:37	WG1625020
Acrylonitrile	U		7.60	50.0	100	02/25/2021 00:37	WG1625020
Benzene	U		1.60	4.00	100	02/25/2021 00:37	WG1625020
Bromobenzene	U		4.20	50.0	100	02/25/2021 00:37	WG1625020
Bromodichloromethane	U		3.15	10.0	100	02/25/2021 00:37	WG1625020
Bromoform	U		23.9	100	100	02/25/2021 00:37	WG1625020
Bromomethane	U		14.8	50.0	100	02/25/2021 00:37	WG1625020
n-Butylbenzene	U		15.3	50.0	100	02/25/2021 00:37	WG1625020
sec-Butylbenzene	U		10.1	50.0	100	02/25/2021 00:37	WG1625020
tert-Butylbenzene	U		6.20	20.0	100	02/25/2021 00:37	WG1625020
Carbon tetrachloride	U		4.32	20.0	100	02/25/2021 00:37	WG1625020
Chlorobenzene	U		2.29	10.0	100	02/25/2021 00:37	WG1625020
Chlorodibromomethane	U		1.80	10.0	100	02/25/2021 00:37	WG1625020
Chloroethane	U		4.32	20.0	100	02/25/2021 00:37	WG1625020
Chloroform	U		1.66	10.0	100	02/25/2021 00:37	WG1625020
Chloromethane	U		5.56	50.0	100	02/25/2021 00:37	WG1625020
2-Chlorotoluene	U		3.68	10.0	100	02/25/2021 00:37	WG1625020
4-Chlorotoluene	U		4.52	20.0	100	02/25/2021 00:37	WG1625020
1,2-Dibromo-3-Chloropropane	U		20.4	100	100	02/25/2021 00:37	WG1625020
1,2-Dibromoethane	U		2.10	10.0	100	02/25/2021 00:37	WG1625020
Dibromomethane	U		4.00	20.0	100	02/25/2021 00:37	WG1625020
1,2-Dichlorobenzene	U		5.80	20.0	100	02/25/2021 00:37	WG1625020
1,3-Dichlorobenzene	U		6.80	20.0	100	02/25/2021 00:37	WG1625020
1,4-Dichlorobenzene	U		7.88	20.0	100	02/25/2021 00:37	WG1625020
Dichlorodifluoromethane	U		3.27	10.0	100	02/25/2021 00:37	WG1625020
1,1-Dichloroethane	U		2.30	10.0	100	02/25/2021 00:37	WG1625020
1,2-Dichloroethane	U		1.90	10.0	100	02/25/2021 00:37	WG1625020
1,1-Dichloroethene	9.60	J	2.00	10.0	100	02/25/2021 19:23	WG1625529
cis-1,2-Dichloroethene	1460		2.76	10.0	100	02/25/2021 00:37	WG1625020
trans-1,2-Dichloroethene	43.4		5.72	20.0	100	02/25/2021 19:23	WG1625529
1,2-Dichloropropane	U		5.08	20.0	100	02/25/2021 00:37	WG1625020
1,1-Dichloropropene	U		2.80	10.0	100	02/25/2021 00:37	WG1625020
1,3-Dichloropropane	U		7.00	20.0	100	02/25/2021 00:37	WG1625020
cis-1,3-Dichloropropene	U		2.71	10.0	100	02/25/2021 00:37	WG1625020
trans-1,3-Dichloropropene	U		6.12	20.0	100	02/25/2021 00:37	WG1625020
2,2-Dichloropropane	U	J4	3.17	10.0	100	02/25/2021 00:37	WG1625020
Di-isopropyl ether	U		1.40	4.00	100	02/25/2021 00:37	WG1625020
Ethylbenzene	U		2.12	10.0	100	02/25/2021 00:37	WG1625020
Hexachloro-1,3-butadiene	U		50.8	100	100	02/25/2021 00:37	WG1625020
Isopropylbenzene	U		3.45	10.0	100	02/25/2021 00:37	WG1625020
p-Isopropyltoluene	U		9.32	20.0	100	02/25/2021 00:37	WG1625020
2-Butanone (MEK)	U		50.0	100	100	02/25/2021 00:37	WG1625020
Methylene Chloride	U		26.5	100	100	02/25/2021 00:37	WG1625020
4-Methyl-2-pentanone (MIBK)	U		40.0	100	100	02/25/2021 00:37	WG1625020
Methyl tert-butyl ether	U		1.18	4.00	100	02/25/2021 00:37	WG1625020
Naphthalene	U	C3	12.4	50.0	100	02/25/2021 00:37	WG1625020
n-Propylbenzene	U		4.72	20.0	100	02/25/2021 00:37	WG1625020
Styrene	U		10.9	50.0	100	02/25/2021 00:37	WG1625020
1,1,1,2-Tetrachloroethane	U		2.00	10.0	100	02/25/2021 00:37	WG1625020
1,1,2,2-Tetrachloroethane	U		1.56	10.0	100	02/25/2021 00:37	WG1625020
1,1,2-Trichlorotrifluoroethane	U		2.70	10.0	100	02/25/2021 00:37	WG1625020
Tetrachloroethene	U		2.80	10.0	100	02/25/2021 00:37	WG1625020
Toluene	U		5.00	20.0	100	02/25/2021 00:37	WG1625020
1,2,3-Trichlorobenzene	U	C4	2.50	50.0	100	02/25/2021 00:37	WG1625020
1,2,4-Trichlorobenzene	U	C4	19.3	50.0	100	02/25/2021 00:37	WG1625020
1,1,1-Trichloroethane	U	J4	1.10	10.0	100	02/25/2021 00:37	WG1625020

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		3.53	10.0	100	02/25/2021 00:37	WG1625020
Trichloroethene	U		1.60	4.00	100	02/25/2021 00:37	WG1625020
Trichlorofluoromethane	U		2.00	10.0	100	02/25/2021 00:37	WG1625020
1,2,3-Trichloropropane	U		20.4	50.0	100	02/25/2021 00:37	WG1625020
1,2,4-Trimethylbenzene	U		4.64	20.0	100	02/25/2021 00:37	WG1625020
1,2,3-Trimethylbenzene	U	J4	4.60	20.0	100	02/25/2021 00:37	WG1625020
1,3,5-Trimethylbenzene	U		4.32	20.0	100	02/25/2021 00:37	WG1625020
Vinyl chloride	7850		2.73	10.0	100	02/25/2021 00:37	WG1625020
Xylenes, Total	U		19.1	26.0	100	02/25/2021 00:37	WG1625020
Ethyl Ether	U		1.70	10.0	100	02/25/2021 00:37	WG1625020
Tetrahydrofuran	U		9.00	50.0	100	02/25/2021 00:37	WG1625020
Iodomethane	U		24.2	50.0	100	02/25/2021 00:37	WG1625020
Allyl chloride	U	J4	58.0	100	100	02/25/2021 00:37	WG1625020
Trans-1,4-Dichloro-2-butene	U		5.60	20.0	100	02/25/2021 00:37	WG1625020
(S) Toluene-d8	*93.0*			*75.0-131*		*02/25/2021 00:37*	WG1625020
(S) Toluene-d8	*99.0*			*75.0-131*		*02/25/2021 19:23*	WG1625529
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*02/25/2021 00:37*	WG1625020
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*02/25/2021 19:23*	WG1625529
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*02/25/2021 00:37*	WG1625020
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*02/25/2021 19:23*	WG1625529

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		5.48	10.0	10	02/25/2021 00:56	WG1625020
Acrylonitrile	U		0.760	5.00	10	02/25/2021 00:56	WG1625020
Benzene	U		0.160	0.400	10	02/25/2021 00:56	WG1625020
Bromobenzene	U		0.420	5.00	10	02/25/2021 00:56	WG1625020
Bromodichloromethane	U		0.315	1.00	10	02/25/2021 00:56	WG1625020
Bromoform	U		2.39	10.0	10	02/25/2021 00:56	WG1625020
Bromomethane	U		1.48	5.00	10	02/25/2021 00:56	WG1625020
n-Butylbenzene	U		1.53	5.00	10	02/25/2021 00:56	WG1625020
sec-Butylbenzene	U		1.01	5.00	10	02/25/2021 00:56	WG1625020
tert-Butylbenzene	U		0.620	2.00	10	02/25/2021 00:56	WG1625020
Carbon tetrachloride	U		0.432	2.00	10	02/25/2021 00:56	WG1625020
Chlorobenzene	U		0.229	1.00	10	02/25/2021 00:56	WG1625020
Chlorodibromomethane	U		0.180	1.00	10	02/25/2021 00:56	WG1625020
Chloroethane	33.8		0.432	2.00	10	02/25/2021 19:42	WG1625529
Chloroform	U		0.166	1.00	10	02/25/2021 00:56	WG1625020
Chloromethane	U		0.556	5.00	10	02/25/2021 00:56	WG1625020
2-Chlorotoluene	U		0.368	1.00	10	02/25/2021 00:56	WG1625020
4-Chlorotoluene	U		0.452	2.00	10	02/25/2021 00:56	WG1625020
1,2-Dibromo-3-Chloropropane	U		2.04	10.0	10	02/25/2021 00:56	WG1625020
1,2-Dibromoethane	U		0.210	1.00	10	02/25/2021 00:56	WG1625020
Dibromomethane	U		0.400	2.00	10	02/25/2021 00:56	WG1625020
1,2-Dichlorobenzene	U		0.580	2.00	10	02/25/2021 00:56	WG1625020
1,3-Dichlorobenzene	U		0.680	2.00	10	02/25/2021 00:56	WG1625020
1,4-Dichlorobenzene	U		0.788	2.00	10	02/25/2021 00:56	WG1625020
Dichlorodifluoromethane	U		0.327	1.00	10	02/25/2021 00:56	WG1625020
1,1-Dichloroethane	U		0.230	1.00	10	02/25/2021 00:56	WG1625020
1,2-Dichloroethane	U		0.190	1.00	10	02/25/2021 00:56	WG1625020
1,1-Dichloroethene	19.2		0.200	1.00	10	02/25/2021 19:42	WG1625529
cis-1,2-Dichloroethene	432		0.276	1.00	10	02/25/2021 00:56	WG1625020
trans-1,2-Dichloroethene	5.52		0.572	2.00	10	02/25/2021 19:42	WG1625529
1,2-Dichloropropane	U		0.508	2.00	10	02/25/2021 00:56	WG1625020
1,1-Dichloropropene	U		0.280	1.00	10	02/25/2021 00:56	WG1625020
1,3-Dichloropropane	U		0.700	2.00	10	02/25/2021 00:56	WG1625020
cis-1,3-Dichloropropene	U		0.271	1.00	10	02/25/2021 00:56	WG1625020
trans-1,3-Dichloropropene	U		0.612	2.00	10	02/25/2021 00:56	WG1625020
2,2-Dichloropropane	U	J4	0.317	1.00	10	02/25/2021 00:56	WG1625020
Di-isopropyl ether	U		0.140	0.400	10	02/25/2021 00:56	WG1625020
Ethylbenzene	U		0.212	1.00	10	02/25/2021 00:56	WG1625020
Hexachloro-1,3-butadiene	U		5.08	10.0	10	02/25/2021 00:56	WG1625020
Isopropylbenzene	U		0.345	1.00	10	02/25/2021 00:56	WG1625020
p-Isopropyltoluene	U		0.932	2.00	10	02/25/2021 00:56	WG1625020
2-Butanone (MEK)	U		5.00	10.0	10	02/25/2021 00:56	WG1625020
Methylene Chloride	U		2.65	10.0	10	02/25/2021 00:56	WG1625020
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	02/25/2021 00:56	WG1625020
Methyl tert-butyl ether	U		0.118	0.400	10	02/25/2021 00:56	WG1625020
Naphthalene	U	C3	1.24	5.00	10	02/25/2021 00:56	WG1625020
n-Propylbenzene	U		0.472	2.00	10	02/25/2021 00:56	WG1625020
Styrene	U		1.09	5.00	10	02/25/2021 00:56	WG1625020
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	02/25/2021 00:56	WG1625020
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	02/25/2021 00:56	WG1625020
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	02/25/2021 00:56	WG1625020
Tetrachloroethene	305		0.280	1.00	10	02/25/2021 00:56	WG1625020
Toluene	U		0.500	2.00	10	02/25/2021 00:56	WG1625020
1,2,3-Trichlorobenzene	U	C4	0.250	5.00	10	02/25/2021 00:56	WG1625020
1,2,4-Trichlorobenzene	U	C4	1.93	5.00	10	02/25/2021 00:56	WG1625020
1,1,1-Trichloroethane	U	J4	0.110	1.00	10	02/25/2021 00:56	WG1625020

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.353	1.00	10	02/25/2021 00:56	WG1625020
Trichloroethene	271		0.160	0.400	10	02/25/2021 00:56	WG1625020
Trichlorofluoromethane	U		0.200	1.00	10	02/25/2021 00:56	WG1625020
1,2,3-Trichloropropane	U		2.04	5.00	10	02/25/2021 00:56	WG1625020
1,2,4-Trimethylbenzene	U		0.464	2.00	10	02/25/2021 00:56	WG1625020
1,2,3-Trimethylbenzene	U	J4	0.460	2.00	10	02/25/2021 00:56	WG1625020
1,3,5-Trimethylbenzene	U		0.432	2.00	10	02/25/2021 00:56	WG1625020
Vinyl chloride	8.80		0.273	1.00	10	02/25/2021 00:56	WG1625020
Xylenes, Total	U		1.91	2.60	10	02/25/2021 00:56	WG1625020
Ethyl Ether	U		0.170	1.00	10	02/25/2021 00:56	WG1625020
Tetrahydrofuran	U		0.900	5.00	10	02/25/2021 00:56	WG1625020
Iodomethane	U		2.42	5.00	10	02/25/2021 00:56	WG1625020
Allyl chloride	U	J4	5.80	10.0	10	02/25/2021 00:56	WG1625020
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	02/25/2021 00:56	WG1625020
(S) Toluene-d8	*94.3*			*75.0-131*		*02/25/2021 00:56*	WG1625020
(S) Toluene-d8	*99.4*			*75.0-131*		*02/25/2021 19:42*	WG1625529
(S) 4-Bromofluorobenzene	*107*			*67.0-138*		*02/25/2021 00:56*	WG1625020
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*02/25/2021 19:42*	WG1625529
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*02/25/2021 00:56*	WG1625020
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*02/25/2021 19:42*	WG1625529

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	4.83		0.548	1.00	1	02/23/2021 22:33	WG1624535
Acrylonitrile	U		0.0760	0.500	1	02/23/2021 22:33	WG1624535
Benzene	U		0.0160	0.0400	1	02/23/2021 22:33	WG1624535
Bromobenzene	U		0.0420	0.500	1	02/23/2021 22:33	WG1624535
Bromodichloromethane	U		0.0315	0.100	1	02/23/2021 22:33	WG1624535
Bromoform	U		0.239	1.00	1	02/23/2021 22:33	WG1624535
Bromomethane	U		0.148	0.500	1	02/23/2021 22:33	WG1624535
n-Butylbenzene	U		0.153	0.500	1	02/23/2021 22:33	WG1624535
sec-Butylbenzene	U		0.101	0.500	1	02/23/2021 22:33	WG1624535
tert-Butylbenzene	U		0.0620	0.200	1	02/23/2021 22:33	WG1624535
Carbon tetrachloride	U		0.0432	0.200	1	02/23/2021 22:33	WG1624535
Chlorobenzene	U		0.0229	0.100	1	02/23/2021 22:33	WG1624535
Chlorodibromomethane	U		0.0180	0.100	1	02/23/2021 22:33	WG1624535
Chloroethane	U		0.0432	0.200	1	02/23/2021 22:33	WG1624535
Chloroform	U		0.0166	0.100	1	02/23/2021 22:33	WG1624535
Chloromethane	U		0.0556	0.500	1	02/23/2021 22:33	WG1624535
2-Chlorotoluene	U		0.0368	0.100	1	02/23/2021 22:33	WG1624535
4-Chlorotoluene	U		0.0452	0.200	1	02/23/2021 22:33	WG1624535
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/23/2021 22:33	WG1624535
1,2-Dibromoethane	U		0.0210	0.100	1	02/23/2021 22:33	WG1624535
Dibromomethane	U		0.0400	0.200	1	02/23/2021 22:33	WG1624535
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/23/2021 22:33	WG1624535
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/23/2021 22:33	WG1624535
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/23/2021 22:33	WG1624535
Dichlorodifluoromethane	U		0.0327	0.100	1	02/23/2021 22:33	WG1624535
1,1-Dichloroethane	U		0.0230	0.100	1	02/23/2021 22:33	WG1624535
1,2-Dichloroethane	U		0.0190	0.100	1	02/23/2021 22:33	WG1624535
1,1-Dichloroethene	U		0.0200	0.100	1	02/23/2021 22:33	WG1624535
cis-1,2-Dichloroethene	U		0.0276	0.100	1	02/23/2021 22:33	WG1624535
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/23/2021 22:33	WG1624535
1,2-Dichloropropane	U		0.0508	0.200	1	02/23/2021 22:33	WG1624535
1,1-Dichloropropene	U		0.0280	0.100	1	02/23/2021 22:33	WG1624535
1,3-Dichloropropane	U		0.0700	0.200	1	02/23/2021 22:33	WG1624535
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/23/2021 22:33	WG1624535
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/23/2021 22:33	WG1624535
2,2-Dichloropropane	U		0.0317	0.100	1	02/23/2021 22:33	WG1624535
Di-isopropyl ether	U		0.0140	0.0400	1	02/23/2021 22:33	WG1624535
Ethylbenzene	U		0.0212	0.100	1	02/23/2021 22:33	WG1624535
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/23/2021 22:33	WG1624535
Isopropylbenzene	U		0.0345	0.100	1	02/23/2021 22:33	WG1624535
p-Isopropyltoluene	U		0.0932	0.200	1	02/23/2021 22:33	WG1624535
2-Butanone (MEK)	U		0.500	1.00	1	02/23/2021 22:33	WG1624535
Methylene Chloride	U		0.265	1.00	1	02/23/2021 22:33	WG1624535
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/23/2021 22:33	WG1624535
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/23/2021 22:33	WG1624535
Naphthalene	U		0.124	0.500	1	02/23/2021 22:33	WG1624535
n-Propylbenzene	U		0.0472	0.200	1	02/23/2021 22:33	WG1624535
Styrene	U		0.109	0.500	1	02/23/2021 22:33	WG1624535
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/23/2021 22:33	WG1624535
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/23/2021 22:33	WG1624535
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/23/2021 22:33	WG1624535
Tetrachloroethene	U		0.0280	0.100	1	02/23/2021 22:33	WG1624535
Toluene	U		0.0500	0.200	1	02/23/2021 22:33	WG1624535
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/23/2021 22:33	WG1624535
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/23/2021 22:33	WG1624535
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/23/2021 22:33	WG1624535

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/23/2021 22:33	WG1624535
Trichloroethene	U		0.0160	0.0400	1	02/23/2021 22:33	WG1624535
Trichlorofluoromethane	U		0.0200	0.100	1	02/23/2021 22:33	WG1624535
1,2,3-Trichloropropane	U		0.204	0.500	1	02/23/2021 22:33	WG1624535
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/23/2021 22:33	WG1624535
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	02/23/2021 22:33	WG1624535
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/23/2021 22:33	WG1624535
Vinyl chloride	U		0.0273	0.100	1	02/23/2021 22:33	WG1624535
Xylenes, Total	U		0.191	0.260	1	02/23/2021 22:33	WG1624535
Ethyl Ether	U		0.0170	0.100	1	02/23/2021 22:33	WG1624535
Tetrahydrofuran	U		0.0900	0.500	1	02/23/2021 22:33	WG1624535
Iodomethane	U		0.242	0.500	1	02/23/2021 22:33	WG1624535
Allyl chloride	U		0.580	1.00	1	02/23/2021 22:33	WG1624535
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/23/2021 22:33	WG1624535
(S) Toluene-d8	*90.4*			*75.0-131*		*02/23/2021 22:33*	WG1624535
(S) 4-Bromofluorobenzene	*111*			*67.0-138*		*02/23/2021 22:33*	WG1624535
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*02/23/2021 22:33*	WG1624535

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

Method Blank (MB)

(MB) R3624681-2 02/23/21 22:06

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		0.548	1.00
Acrylonitrile	U		0.0760	0.500
Benzene	U		0.0160	0.0400
Bromobenzene	U		0.0420	0.500
Bromodichloromethane	U		0.0315	0.100
Bromoform	U		0.239	1.00
Bromomethane	U		0.148	0.500
n-Butylbenzene	U		0.153	0.500
sec-Butylbenzene	U		0.101	0.500
tert-Butylbenzene	U		0.0620	0.200
Carbon tetrachloride	U		0.0432	0.200
Chlorobenzene	U		0.0229	0.100
Chlorodibromomethane	U		0.0180	0.100
Chloroethane	U		0.0432	0.200
Chloroform	U		0.0166	0.100
Chloromethane	U		0.0556	0.500
2-Chlorotoluene	U		0.0368	0.100
4-Chlorotoluene	U		0.0452	0.200
1,2-Dibromo-3-Chloropropane	U		0.204	1.00
1,2-Dibromoethane	U		0.0210	0.100
Dibromomethane	U		0.0400	0.200
1,2-Dichlorobenzene	U		0.0580	0.200
1,3-Dichlorobenzene	U		0.0680	0.200
1,4-Dichlorobenzene	U		0.0788	0.200
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
Dichlorodifluoromethane	U		0.0327	0.100
1,1-Dichloroethane	U		0.0230	0.100
1,2-Dichloroethane	U		0.0190	0.100
1,1-Dichloroethene	U		0.0200	0.100
cis-1,2-Dichloroethene	U		0.0276	0.100
trans-1,2-Dichloroethene	U		0.0572	0.200
1,2-Dichloropropane	U		0.0508	0.200
1,1-Dichloropropene	U		0.0280	0.100
1,3-Dichloropropane	U		0.0700	0.200
cis-1,3-Dichloropropene	U		0.0271	0.100
trans-1,3-Dichloropropene	U		0.0612	0.200
2,2-Dichloropropane	U		0.0317	0.100
Di-isopropyl ether	U		0.0140	0.0400
Ethylbenzene	U		0.0212	0.100
Ethyl ether	U		0.0170	0.100

Method Blank (MB)

(MB) R3624681-2 02/23/21 22:06

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	U		0.508	1.00
Iodomethane	U		0.242	0.500
Isopropylbenzene	U		0.0345	0.100
p-Isopropyltoluene	U		0.0932	0.200
2-Butanone (MEK)	2.06		0.500	1.00
Methylene Chloride	U		0.265	1.00
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00
Methyl tert-butyl ether	U		0.0118	0.0400
Naphthalene	U		0.124	0.500
n-Propylbenzene	U		0.0472	0.200
Styrene	U		0.109	0.500
1,1,1,2-Tetrachloroethane	U		0.0200	0.100
1,1,2,2-Tetrachloroethane	U		0.0156	0.100
Tetrachloroethene	U		0.0280	0.100
Tetrahydrofuran	U		0.0900	0.500
Toluene	U		0.0500	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100
1,2,3-Trichlorobenzene	U		0.0250	0.500
1,2,4-Trichlorobenzene	U		0.193	0.500
1,1,1-Trichloroethane	U		0.0110	0.100
1,1,2-Trichloroethane	U		0.0353	0.100
Trichloroethene	U		0.0160	0.0400
Trichlorofluoromethane	U		0.0200	0.100
1,2,3-Trichloropropane	U		0.204	0.500
1,2,3-Trimethylbenzene	U		0.0460	0.200
1,2,4-Trimethylbenzene	U		0.0464	0.200
1,3,5-Trimethylbenzene	U		0.0432	0.200
Vinyl chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Allyl Chloride	U		0.580	1.00
(S) Toluene-d8	*101*			*75.0-131*
(S) 4-Bromofluorobenzene	*94.4*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*96.3*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3624681-1 02/23/21 21:09

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	27.5	110	10.0-160	
Acrylonitrile	25.0	24.3	97.2	45.0-153	
Benzene	5.00	4.59	91.8	70.0-123	
Bromobenzene	5.00	4.92	98.4	73.0-121	
Bromodichloromethane	5.00	4.71	94.2	73.0-121	
Bromoform	5.00	4.51	90.2	64.0-132	
Bromomethane	5.00	5.18	104	56.0-147	
n-Butylbenzene	5.00	4.73	94.6	68.0-135	
sec-Butylbenzene	5.00	5.37	107	74.0-130	
tert-Butylbenzene	5.00	5.27	105	75.0-127	
Carbon tetrachloride	5.00	4.97	99.4	66.0-128	
Chlorobenzene	5.00	4.58	91.6	76.0-128	
Chlorodibromomethane	5.00	5.07	101	74.0-127	
Chloroethane	5.00	5.27	105	61.0-134	
Chloroform	5.00	5.19	104	72.0-123	
Chloromethane	5.00	4.72	94.4	51.0-138	
2-Chlorotoluene	5.00	5.16	103	75.0-124	
4-Chlorotoluene	5.00	4.97	99.4	75.0-124	
1,2-Dibromo-3-Chloropropane	5.00	4.57	91.4	59.0-130	
1,2-Dibromoethane	5.00	4.76	95.2	74.0-128	
Dibromomethane	5.00	4.57	91.4	75.0-122	
1,2-Dichlorobenzene	5.00	4.80	96.0	76.0-124	
1,3-Dichlorobenzene	5.00	4.73	94.6	76.0-125	
1,4-Dichlorobenzene	5.00	4.66	93.2	77.0-121	
trans-1,4-Dichloro-2-butene	5.00	6.40	128	45.0-143	
Dichlorodifluoromethane	5.00	6.23	125	43.0-156	
1,1-Dichloroethane	5.00	4.89	97.8	70.0-127	
1,2-Dichloroethane	5.00	4.55	91.0	65.0-131	
1,1-Dichloroethene	5.00	5.18	104	65.0-131	
cis-1,2-Dichloroethene	5.00	4.84	96.8	73.0-125	
trans-1,2-Dichloroethene	5.00	5.09	102	71.0-125	
1,2-Dichloropropane	5.00	5.06	101	74.0-125	
1,1-Dichloropropene	5.00	4.88	97.6	73.0-125	
1,3-Dichloropropane	5.00	4.69	93.8	80.0-125	
cis-1,3-Dichloropropene	5.00	4.99	99.8	76.0-127	
trans-1,3-Dichloropropene	5.00	4.94	98.8	73.0-127	
2,2-Dichloropropane	5.00	5.77	115	59.0-135	
Di-isopropyl ether	5.00	5.23	105	60.0-136	
Ethylbenzene	5.00	4.59	91.8	74.0-126	
Ethyl ether	5.00	5.12	102	64.0-137	

Laboratory Control Sample (LCS)

(LCS) R3624681-1 02/23/21 21:09

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexachloro-1,3-butadiene	5.00	5.17	103	57.0-150	
Iodomethane	25.0	25.1	100	74.0-134	
Isopropylbenzene	5.00	4.72	94.4	72.0-127	
p-Isopropyltoluene	5.00	4.97	99.4	72.0-133	
2-Butanone (MEK)	25.0	28.0	112	30.0-160	
Methylene Chloride	5.00	4.89	97.8	68.0-123	
4-Methyl-2-pentanone (MIBK)	25.0	27.8	111	56.0-143	
Methyl tert-butyl ether	5.00	5.19	104	66.0-132	
Naphthalene	5.00	4.12	82.4	59.0-130	
n-Propylbenzene	5.00	5.03	101	74.0-126	
Styrene	5.00	4.50	90.0	72.0-127	
1,1,1,2-Tetrachloroethane	5.00	4.56	91.2	74.0-129	
1,1,2,2-Tetrachloroethane	5.00	5.32	106	68.0-128	
Tetrachloroethene	5.00	4.44	88.8	70.0-136	
Tetrahydrofuran	5.00	5.29	106	37.0-146	
Toluene	5.00	4.46	89.2	75.0-121	
1,1,2-Trichlorotrifluoroethane	5.00	4.96	99.2	61.0-139	
1,2,3-Trichlorobenzene	5.00	4.66	93.2	59.0-139	
1,2,4-Trichlorobenzene	5.00	4.41	88.2	62.0-137	
1,1,1-Trichloroethane	5.00	5.30	106	69.0-126	
1,1,2-Trichloroethane	5.00	5.25	105	78.0-123	
Trichloroethene	5.00	4.84	96.8	76.0-126	
Trichlorofluoromethane	5.00	5.28	106	61.0-142	
1,2,3-Trichloropropane	5.00	5.70	114	67.0-129	
1,2,3-Trimethylbenzene	5.00	6.04	121	74.0-124	
1,2,4-Trimethylbenzene	5.00	4.95	99.0	70.0-126	
1,3,5-Trimethylbenzene	5.00	5.10	102	73.0-127	
Vinyl chloride	5.00	4.73	94.6	63.0-134	
Xylenes, Total	15.0	13.6	90.7	72.0-127	
Allyl chloride	25.0	27.1	108	70.0-131	
(S) Toluene-d8			*99.0*	*75.0-131*	
(S) 4-Bromofluorobenzene			*96.0*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*103*	*70.0-130*	

Method Blank (MB)

(MB) R3624929-2 02/24/21 19:30

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		0.548	1.00
Acrylonitrile	U		0.0760	0.500
Benzene	U		0.0160	0.0400
Bromobenzene	U		0.0420	0.500
Bromodichloromethane	U		0.0315	0.100
Bromoform	U		0.239	1.00
Bromomethane	U		0.148	0.500
n-Butylbenzene	U		0.153	0.500
sec-Butylbenzene	U		0.101	0.500
tert-Butylbenzene	U		0.0620	0.200
Carbon tetrachloride	U		0.0432	0.200
Chlorobenzene	U		0.0229	0.100
Chlorodibromomethane	U		0.0180	0.100
Chloroethane	U		0.0432	0.200
Chloroform	U		0.0166	0.100
Chloromethane	U		0.0556	0.500
2-Chlorotoluene	U		0.0368	0.100
4-Chlorotoluene	U		0.0452	0.200
1,2-Dibromo-3-Chloropropane	U		0.204	1.00
1,2-Dibromoethane	U		0.0210	0.100
Dibromomethane	U		0.0400	0.200
1,2-Dichlorobenzene	U		0.0580	0.200
1,3-Dichlorobenzene	U		0.0680	0.200
1,4-Dichlorobenzene	U		0.0788	0.200
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
Dichlorodifluoromethane	U		0.0327	0.100
1,1-Dichloroethane	U		0.0230	0.100
1,2-Dichloroethane	U		0.0190	0.100
cis-1,2-Dichloroethene	U		0.0276	0.100
1,2-Dichloropropane	U		0.0508	0.200
1,1-Dichloropropene	U		0.0280	0.100
1,3-Dichloropropane	U		0.0700	0.200
cis-1,3-Dichloropropene	U		0.0271	0.100
trans-1,3-Dichloropropene	U		0.0612	0.200
2,2-Dichloropropane	U		0.0317	0.100
Di-isopropyl ether	U		0.0140	0.0400
Ethylbenzene	U		0.0212	0.100
Ethyl ether	U		0.0170	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Iodomethane	U		0.242	0.500

Method Blank (MB)

(MB) R3624929-2 02/24/21 19:30

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Isopropylbenzene	U		0.0345	0.100
p-Isopropyltoluene	U		0.0932	0.200
2-Butanone (MEK)	U		0.500	1.00
Methylene Chloride	U		0.265	1.00
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00
Methyl tert-butyl ether	U		0.0118	0.0400
Naphthalene	U		0.124	0.500
n-Propylbenzene	U		0.0472	0.200
Styrene	U		0.109	0.500
1,1,1,2-Tetrachloroethane	U		0.0200	0.100
1,1,2,2-Tetrachloroethane	U		0.0156	0.100
Tetrachloroethene	U		0.0280	0.100
Tetrahydrofuran	U		0.0900	0.500
Toluene	U		0.0500	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100
1,2,3-Trichlorobenzene	U		0.0250	0.500
1,2,4-Trichlorobenzene	U		0.193	0.500
1,1,1-Trichloroethane	U		0.0110	0.100
1,1,2-Trichloroethane	U		0.0353	0.100
Trichloroethene	U		0.0160	0.0400
Trichlorofluoromethane	U		0.0200	0.100
1,2,3-Trichloropropane	U		0.204	0.500
1,2,3-Trimethylbenzene	U		0.0460	0.200
1,2,4-Trimethylbenzene	U		0.0464	0.200
1,3,5-Trimethylbenzene	U		0.0432	0.200
Vinyl chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Allyl Chloride	U		0.580	1.00
(S) Toluene-d8	*95.8*			*75.0-131*
(S) 4-Bromofluorobenzene	*101*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3624929-1 02/24/21 18:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	35.5	142	10.0-160	
Acrylonitrile	25.0	29.7	119	45.0-153	

Laboratory Control Sample (LCS)

(LCS) R3624929-1 02/24/21 18:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	5.37	107	70.0-123	
Bromobenzene	5.00	5.25	105	73.0-121	
Bromodichloromethane	5.00	5.11	102	73.0-121	
Bromoform	5.00	5.10	102	64.0-132	
Bromomethane	5.00	6.41	128	56.0-147	
n-Butylbenzene	5.00	5.16	103	68.0-135	
sec-Butylbenzene	5.00	5.78	116	74.0-130	
tert-Butylbenzene	5.00	5.63	113	75.0-127	
Carbon tetrachloride	5.00	6.28	126	66.0-128	
Chlorobenzene	5.00	5.26	105	76.0-128	
Chlorodibromomethane	5.00	5.21	104	74.0-127	
Chloroethane	5.00	6.46	129	61.0-134	
Chloroform	5.00	6.09	122	72.0-123	
Chloromethane	5.00	6.74	135	51.0-138	
2-Chlorotoluene	5.00	5.60	112	75.0-124	
4-Chlorotoluene	5.00	5.71	114	75.0-124	
1,2-Dibromo-3-Chloropropane	5.00	4.19	83.8	59.0-130	
1,2-Dibromoethane	5.00	5.00	100	74.0-128	
Dibromomethane	5.00	5.47	109	75.0-122	
1,2-Dichlorobenzene	5.00	5.13	103	76.0-124	
1,3-Dichlorobenzene	5.00	5.28	106	76.0-125	
1,4-Dichlorobenzene	5.00	5.09	102	77.0-121	
trans-1,4-Dichloro-2-butene	5.00	6.13	123	45.0-143	
Dichlorodifluoromethane	5.00	7.33	147	43.0-156	
1,1-Dichloroethane	5.00	5.88	118	70.0-127	
1,2-Dichloroethane	5.00	5.23	105	65.0-131	
cis-1,2-Dichloroethene	5.00	5.96	119	73.0-125	
1,2-Dichloropropane	5.00	5.47	109	74.0-125	
1,1-Dichloropropene	5.00	6.10	122	73.0-125	
1,3-Dichloropropane	5.00	4.83	96.6	80.0-125	
cis-1,3-Dichloropropene	5.00	5.32	106	76.0-127	
trans-1,3-Dichloropropene	5.00	5.09	102	73.0-127	
2,2-Dichloropropane	5.00	6.92	138	59.0-135	J4
Di-isopropyl ether	5.00	5.83	117	60.0-136	
Ethylbenzene	5.00	5.45	109	74.0-126	
Ethyl ether	5.00	5.81	116	64.0-137	
Hexachloro-1,3-butadiene	5.00	5.18	104	57.0-150	
Iodomethane	25.0	33.2	133	74.0-134	
Isopropylbenzene	5.00	5.62	112	72.0-127	
p-Isopropyltoluene	5.00	5.62	112	72.0-133	

Laboratory Control Sample (LCS)

(LCS) R3624929-1 02/24/21 18:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Butanone (MEK)	25.0	31.0	124	30.0-160	
Methylene Chloride	5.00	6.02	120	68.0-123	
4-Methyl-2-pentanone (MIBK)	25.0	28.1	112	56.0-143	
Methyl tert-butyl ether	5.00	6.27	125	66.0-132	
Naphthalene	5.00	3.60	72.0	59.0-130	
n-Propylbenzene	5.00	5.61	112	74.0-126	
Styrene	5.00	5.21	104	72.0-127	
1,1,1,2-Tetrachloroethane	5.00	5.14	103	74.0-129	
1,1,2,2-Tetrachloroethane	5.00	5.08	102	68.0-128	
Tetrachloroethene	5.00	5.37	107	70.0-136	
Tetrahydrofuran	5.00	6.78	136	37.0-146	
Toluene	5.00	4.98	99.6	75.0-121	
1,1,2-Trichlorotrifluoroethane	5.00	6.50	130	61.0-139	
1,2,3-Trichlorobenzene	5.00	3.66	73.2	59.0-139	
1,2,4-Trichlorobenzene	5.00	3.96	79.2	62.0-137	
1,1,1-Trichloroethane	5.00	6.66	133	69.0-126	J4
1,1,2-Trichloroethane	5.00	5.20	104	78.0-123	
Trichloroethene	5.00	5.86	117	76.0-126	
Trichlorofluoromethane	5.00	6.27	125	61.0-142	
1,2,3-Trichloropropane	5.00	5.63	113	67.0-129	
1,2,3-Trimethylbenzene	5.00	6.49	130	74.0-124	J4
1,2,4-Trimethylbenzene	5.00	5.51	110	70.0-126	
1,3,5-Trimethylbenzene	5.00	5.70	114	73.0-127	
Vinyl chloride	5.00	5.96	119	63.0-134	
Xylenes, Total	15.0	16.5	110	72.0-127	
Allyl chloride	25.0	34.1	136	70.0-131	J4
(S) Toluene-d8			*94.3*	*75.0-131*	
(S) 4-Bromofluorobenzene			*104*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*109*	*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) R3625302-2 02/25/21 16:47

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Chloroethane	U		0.0432	0.200
1,1-Dichloroethene	U		0.0200	0.100
cis-1,2-Dichloroethene	U		0.0276	0.100
trans-1,2-Dichloroethene	U		0.0572	0.200
(S) Toluene-d8	*99.4*			*75.0-131*
(S) 4-Bromofluorobenzene	*104*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3625302-1 02/25/21 16:10

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloroethane	5.00	5.06	101	61.0-134	
1,1-Dichloroethene	5.00	4.85	97.0	65.0-131	
cis-1,2-Dichloroethene	5.00	5.08	102	73.0-125	
trans-1,2-Dichloroethene	5.00	4.92	98.4	71.0-125	
(S) Toluene-d8			*99.0*	*75.0-131*	
(S) 4-Bromofluorobenzene			*103*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*106*	*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

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

Qualifier	Description
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
C4	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.
J	The identification of the analyte is acceptable; the reported value is an estimate.
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.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN, 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
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]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
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		

Pace Analytical National 1313 Point Mallard Parkway SE Suite B Decatur, AL, 35601

Alabama	40160
ANSI National Accreditation Board	L2239

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Nevada	NV009412021-1

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Texas	T104704328-20-18

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

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: E190

ALL SHADED AREAS are for LAB USE ONLY

Company: **PES Environmental, Inc.**	Billing Information: **Attn: Accounts Payable 1215 4th Ave STE 1350, Seattle, WA 98161**
Address: **1215 4th Ave STE 1350, Seattle, WA 98161**	
Report To: **Bill Haldeman/Brian O'Neal**	Email To: **bhaldeman@pesenv.com; boneal@pesenv.com**
Copy To: **Kim Vik, Shannon McKernan, Karsten Springstead**	Site Collection Info/Address: **700 Dexter Ave N**
Customer Project Name/Number: American Linen **1413.001.~~02.501E~~ 05.601**	State: **WA** / County/City: **King/Seattle** Time Zone Collected: [x]PT [ ]MT [ ]CT [ ]ET
Phone: 206-529-3980 Email: **agilvezan@pesenv.com**	Site/Facility ID #: **1413.001.~~02.501E~~ 05.601**
Collected By (print): HRC	Purchase Order # : **1413.001.02.501E 05.601** Quote #: **PESENVSWA-ALP**
Collected By (signature): Hmen Colin	Turnaround Date Required: **Standard TAT**
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)

Compliance Monitoring? [x] Yes [ ] No

DW PWS ID #:

DW Location Code:

Immediately Packed on Ice: [x] Yes [ ] No

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis: _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Container Preservative Type **	Analyses	Lab Profile/Line:
										NO3, SO4, Cl 125mlHDPE-NoPres; Alkalinity 125mlHDPE-NoPres; EEM (RSK175LL) 40mlAmb-HCl; TOC 250mlAmb-HCl or 250mlHDPE-HCl; Total Fe, Mn 6020 250mlHDPE-HNO3; VOCs (8260ULLC); GRO (NWTPH-Gx)	LAB USE ONLY: Lab Sample # / Comments: L1318319
MW-179-021821	GW	Grab	2/18/21	1045				3		X	-01
MW-178-021821	GW	Grab	"	1120				3		X	-02
MW-177-021821	GW	Grab	"	1205				3		X	-03
MW-180-021821	GW	Grab	"	1540				3		X	-04
MW-182-021921	GW	Grab	2/19/21	1000				3		X	-05
MW-183-021921	GW	Grab	"	1200				3		X	-06
MW-181-021921	GW	Grab	"	1420				3		X	-07
MW-184-021921	GW	Grab	"	1535				3		X	-08
TB-021921	GW	Grab	"	1600				1		X	-09
	GW	Grab									

Lab Profile/Line:

Lab Sample Receipt Checklist:		
Custody Seals Present/Intact	Y N	NA
Custody Signatures Present	Y N	NA
Collector Signature Present	Y N	NA
Bottles Intact	Y N	NA
Correct Bottles	Y N	NA
Sufficient Volume	Y N	NA
Samples Received on Ice	Y N	NA
VOA - Headspace Acceptable	Y N	NA
USDA Regulated Soils	Y N	NA
Samples in Holding Time	Y N	NA
Residual Chlorine Present	Y N	NA
Cl Strips: _____		
Sample pH Acceptable	Y N	NA
pH Strips: _____		
Sulfide Present	Y N	NA
Lead Acetate Strips: _____		

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 9362 4943 8452

Samples received via: FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: wirAC
Cooler 1 Temp Upon Receipt: 1.4 oC
Cooler 1 Therm Corr. Factor: -.1 oC
Cooler 1 Corrected Temp: 1.3 oC
Comments:
OK

Relinquished by/Company: (Signature) Hmen Colin	Date/Time: 2/19/21 1630	Received by/Company: (Signature)	Date/Time:	MTJL LAB USE ONLY Table #:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Acctnum: Template: Prelogin:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time: 2-22-21 0900	PM: PB: count=24 +TB

Trip Blank Received: Y N NA HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: 1

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

February 25, 2021

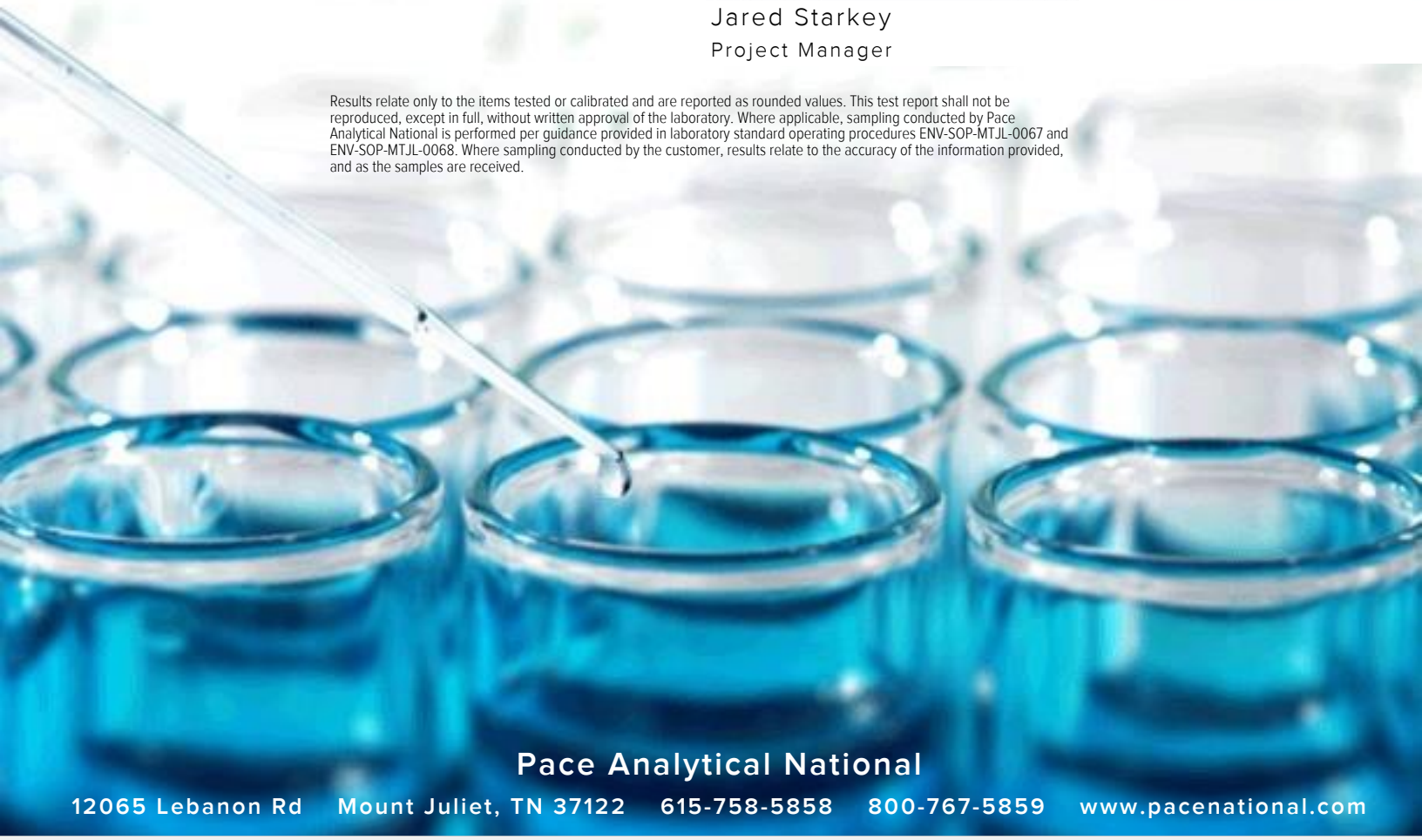
PES Environmental, Inc.- WA

Sample Delivery Group:	L1318924
Samples Received:	02/23/2021
Project Number:	1413.001.05.601
Description:	American Linen
Site:	1413.001.05.601
Report To:	Brian O'Neal/Bill Haldeman 1215 Fourth Ave., Suite 1310 Seattle, WA 98121

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace 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-188-021621 L1318924-01 GW

Collected by: HRC | Collected date/time: 02/16/21 10:12 | Received date/time: 02/23/21 11:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1624822	1	02/24/21 12:33	02/24/21 12:33	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1625047	1	02/24/21 21:27	02/24/21 21:27	ADM	Mt. Juliet, TN

MW-186-021621 L1318924-02 GW

Collected by: HRC | Collected date/time: 02/16/21 13:25 | Received date/time: 02/23/21 11:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1624822	1	02/24/21 12:52	02/24/21 12:52	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1625047	1	02/24/21 21:46	02/24/21 21:46	ADM	Mt. Juliet, TN

MW-187-021621 L1318924-03 GW

Collected by: HRC | Collected date/time: 02/16/21 14:45 | Received date/time: 02/23/21 11:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1624822	1	02/24/21 13:11	02/24/21 13:11	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1625047	1	02/24/21 22:05	02/24/21 22:05	ADM	Mt. Juliet, TN

MW-185-021621 L1318924-04 GW

Collected by: HRC | Collected date/time: 02/16/21 15:13 | Received date/time: 02/23/21 11:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1624822	1	02/24/21 13:30	02/24/21 13:30	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1625047	1	02/24/21 22:25	02/24/21 22:25	ADM	Mt. Juliet, TN

MW-950-021721 L1318924-05 GW

Collected by: HRC | Collected date/time: 02/17/21 09:00 | Received date/time: 02/23/21 11:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1624822	1	02/24/21 13:49	02/24/21 13:49	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1625047	20	02/25/21 01:53	02/25/21 01:53	ADM	Mt. Juliet, TN

MW-171-021721 L1318924-06 GW

Collected by: HRC | Collected date/time: 02/17/21 10:30 | Received date/time: 02/23/21 11:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1624822	1	02/24/21 14:27	02/24/21 14:27	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1625251	50	02/25/21 03:09	02/25/21 03:09	ADM	Mt. Juliet, TN

MW-169-021721 L1318924-07 GW

Collected by: HRC | Collected date/time: 02/17/21 12:50 | Received date/time: 02/23/21 11:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1624822	1	02/24/21 14:46	02/24/21 14:46	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1625251	1	02/25/21 02:12	02/25/21 02:12	ADM	Mt. Juliet, TN

MW-170-021721 L1318924-08 GW

Collected by: HRC
Collected date/time: 02/17/21 13:25
Received date/time: 02/23/21 11:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1624822	10	02/24/21 17:17	02/24/21 17:17	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1625251	500	02/25/21 03:28	02/25/21 03:28	ADM	Mt. Juliet, TN

MW-172-021721 L1318924-09 GW

Collected by: HRC
Collected date/time: 02/17/21 15:30
Received date/time: 02/23/21 11:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1624822	1	02/24/21 15:05	02/24/21 15:05	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1625251	100	02/25/21 03:47	02/25/21 03:47	ADM	Mt. Juliet, TN

TB-021721 L1318924-10 GW

Collected by: HRC
Collected date/time: 02/17/21 16:00
Received date/time: 02/23/21 11:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1624822	1	02/24/21 10:58	02/24/21 10:58	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.

Jared Starkey
Project Manager

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.55	J3 J4	0.548	1.00	1	02/24/2021 12:33	WG1624822
Acrylonitrile	U	J3	0.0760	0.500	1	02/24/2021 12:33	WG1624822
Benzene	U		0.0160	0.0400	1	02/24/2021 12:33	WG1624822
Bromobenzene	U		0.0420	0.500	1	02/24/2021 12:33	WG1624822
Bromodichloromethane	U		0.0315	0.100	1	02/24/2021 12:33	WG1624822
Bromoform	U		0.239	1.00	1	02/24/2021 12:33	WG1624822
Bromomethane	U		0.148	0.500	1	02/24/2021 12:33	WG1624822
n-Butylbenzene	U		0.153	0.500	1	02/24/2021 12:33	WG1624822
sec-Butylbenzene	U		0.101	0.500	1	02/24/2021 12:33	WG1624822
tert-Butylbenzene	U		0.0620	0.200	1	02/24/2021 12:33	WG1624822
Carbon tetrachloride	U		0.0432	0.200	1	02/24/2021 12:33	WG1624822
Chlorobenzene	U		0.0229	0.100	1	02/24/2021 12:33	WG1624822
Chlorodibromomethane	U		0.0180	0.100	1	02/24/2021 12:33	WG1624822
Chloroethane	1.76	C5	0.0432	0.200	1	02/24/2021 12:33	WG1624822
Chloroform	U		0.0166	0.100	1	02/24/2021 12:33	WG1624822
Chloromethane	U	J4	0.0556	0.500	1	02/24/2021 12:33	WG1624822
2-Chlorotoluene	U		0.0368	0.100	1	02/24/2021 12:33	WG1624822
4-Chlorotoluene	U		0.0452	0.200	1	02/24/2021 12:33	WG1624822
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/24/2021 12:33	WG1624822
1,2-Dibromoethane	U		0.0210	0.100	1	02/24/2021 12:33	WG1624822
Dibromomethane	U		0.0400	0.200	1	02/24/2021 12:33	WG1624822
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/24/2021 12:33	WG1624822
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/24/2021 12:33	WG1624822
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/24/2021 12:33	WG1624822
Dichlorodifluoromethane	U		0.0327	0.100	1	02/24/2021 12:33	WG1624822
1,1-Dichloroethane	U		0.0230	0.100	1	02/24/2021 12:33	WG1624822
1,2-Dichloroethane	U		0.0190	0.100	1	02/24/2021 12:33	WG1624822
1,1-Dichloroethene	U		0.0200	0.100	1	02/24/2021 12:33	WG1624822
cis-1,2-Dichloroethene	0.589		0.0276	0.100	1	02/24/2021 21:27	WG1625047
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/24/2021 12:33	WG1624822
1,2-Dichloropropane	U		0.0508	0.200	1	02/24/2021 12:33	WG1624822
1,1-Dichloropropene	U		0.0280	0.100	1	02/24/2021 12:33	WG1624822
1,3-Dichloropropane	U		0.0700	0.200	1	02/24/2021 12:33	WG1624822
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/24/2021 12:33	WG1624822
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/24/2021 12:33	WG1624822
2,2-Dichloropropane	U		0.0317	0.100	1	02/24/2021 12:33	WG1624822
Di-isopropyl ether	U		0.0140	0.0400	1	02/24/2021 12:33	WG1624822
Ethylbenzene	U		0.0212	0.100	1	02/24/2021 12:33	WG1624822
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/24/2021 12:33	WG1624822
Isopropylbenzene	U		0.0345	0.100	1	02/24/2021 12:33	WG1624822
p-Isopropyltoluene	U		0.0932	0.200	1	02/24/2021 12:33	WG1624822
2-Butanone (MEK)	U		0.500	1.00	1	02/24/2021 12:33	WG1624822
Methylene Chloride	U		0.265	1.00	1	02/24/2021 12:33	WG1624822
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/24/2021 12:33	WG1624822
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/24/2021 12:33	WG1624822
Naphthalene	U		0.124	0.500	1	02/24/2021 12:33	WG1624822
n-Propylbenzene	U		0.0472	0.200	1	02/24/2021 12:33	WG1624822
Styrene	U		0.109	0.500	1	02/24/2021 12:33	WG1624822
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/24/2021 12:33	WG1624822
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/24/2021 12:33	WG1624822
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/24/2021 12:33	WG1624822
Tetrachloroethene	0.0600	J	0.0280	0.100	1	02/24/2021 21:27	WG1625047
Toluene	0.352		0.0500	0.200	1	02/24/2021 12:33	WG1624822
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/24/2021 12:33	WG1624822
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/24/2021 12:33	WG1624822
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/24/2021 12:33	WG1624822

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/24/2021 12:33	WG1624822
Trichloroethene	U		0.0160	0.0400	1	02/24/2021 21:27	WG1625047
Trichlorofluoromethane	U		0.0200	0.100	1	02/24/2021 12:33	WG1624822
1,2,3-Trichloropropane	U		0.204	0.500	1	02/24/2021 12:33	WG1624822
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/24/2021 12:33	WG1624822
1,2,3-Trimethylbenzene	U	J4	0.0460	0.200	1	02/24/2021 12:33	WG1624822
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/24/2021 12:33	WG1624822
Vinyl chloride	5.14	C5 J4	0.0273	0.100	1	02/24/2021 12:33	WG1624822
Xylenes, Total	U		0.191	0.260	1	02/24/2021 12:33	WG1624822
Ethyl Ether	U		0.0170	0.100	1	02/24/2021 12:33	WG1624822
Tetrahydrofuran	U		0.0900	0.500	1	02/24/2021 12:33	WG1624822
Iodomethane	U		0.242	0.500	1	02/24/2021 12:33	WG1624822
Allyl chloride	U		0.580	1.00	1	02/24/2021 12:33	WG1624822
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/24/2021 12:33	WG1624822
(S) Toluene-d8	*117*			*75.0-131*		*02/24/2021 12:33*	WG1624822
(S) Toluene-d8	*94.3*			*75.0-131*		*02/24/2021 21:27*	WG1625047
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*02/24/2021 12:33*	WG1624822
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*02/24/2021 21:27*	WG1625047
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*02/24/2021 12:33*	WG1624822
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*02/24/2021 21:27*	WG1625047

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.04	J3 J4	0.548	1.00	1	02/24/2021 12:52	WG1624822
Acrylonitrile	U	J3	0.0760	0.500	1	02/24/2021 12:52	WG1624822
Benzene	0.0570		0.0160	0.0400	1	02/24/2021 12:52	WG1624822
Bromobenzene	U		0.0420	0.500	1	02/24/2021 12:52	WG1624822
Bromodichloromethane	U		0.0315	0.100	1	02/24/2021 12:52	WG1624822
Bromoform	U		0.239	1.00	1	02/24/2021 12:52	WG1624822
Bromomethane	U		0.148	0.500	1	02/24/2021 12:52	WG1624822
n-Butylbenzene	U		0.153	0.500	1	02/24/2021 12:52	WG1624822
sec-Butylbenzene	U		0.101	0.500	1	02/24/2021 12:52	WG1624822
tert-Butylbenzene	U		0.0620	0.200	1	02/24/2021 12:52	WG1624822
Carbon tetrachloride	U		0.0432	0.200	1	02/24/2021 12:52	WG1624822
Chlorobenzene	U		0.0229	0.100	1	02/24/2021 12:52	WG1624822
Chlorodibromomethane	U		0.0180	0.100	1	02/24/2021 12:52	WG1624822
Chloroethane	U		0.0432	0.200	1	02/24/2021 12:52	WG1624822
Chloroform	U		0.0166	0.100	1	02/24/2021 12:52	WG1624822
Chloromethane	U	J4	0.0556	0.500	1	02/24/2021 12:52	WG1624822
2-Chlorotoluene	U		0.0368	0.100	1	02/24/2021 12:52	WG1624822
4-Chlorotoluene	U		0.0452	0.200	1	02/24/2021 12:52	WG1624822
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/24/2021 12:52	WG1624822
1,2-Dibromoethane	U		0.0210	0.100	1	02/24/2021 12:52	WG1624822
Dibromomethane	U		0.0400	0.200	1	02/24/2021 12:52	WG1624822
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/24/2021 12:52	WG1624822
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/24/2021 12:52	WG1624822
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/24/2021 12:52	WG1624822
Dichlorodifluoromethane	U		0.0327	0.100	1	02/24/2021 12:52	WG1624822
1,1-Dichloroethane	U		0.0230	0.100	1	02/24/2021 12:52	WG1624822
1,2-Dichloroethane	U		0.0190	0.100	1	02/24/2021 12:52	WG1624822
1,1-Dichloroethene	U		0.0200	0.100	1	02/24/2021 12:52	WG1624822
cis-1,2-Dichloroethene	0.459		0.0276	0.100	1	02/24/2021 21:46	WG1625047
trans-1,2-Dichloroethene	1.26		0.0572	0.200	1	02/24/2021 12:52	WG1624822
1,2-Dichloropropane	U		0.0508	0.200	1	02/24/2021 12:52	WG1624822
1,1-Dichloropropene	U		0.0280	0.100	1	02/24/2021 12:52	WG1624822
1,3-Dichloropropane	U		0.0700	0.200	1	02/24/2021 12:52	WG1624822
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/24/2021 12:52	WG1624822
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/24/2021 12:52	WG1624822
2,2-Dichloropropane	U		0.0317	0.100	1	02/24/2021 12:52	WG1624822
Di-isopropyl ether	U		0.0140	0.0400	1	02/24/2021 12:52	WG1624822
Ethylbenzene	U		0.0212	0.100	1	02/24/2021 12:52	WG1624822
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/24/2021 12:52	WG1624822
Isopropylbenzene	U		0.0345	0.100	1	02/24/2021 12:52	WG1624822
p-Isopropyltoluene	U		0.0932	0.200	1	02/24/2021 12:52	WG1624822
2-Butanone (MEK)	U		0.500	1.00	1	02/24/2021 12:52	WG1624822
Methylene Chloride	U		0.265	1.00	1	02/24/2021 12:52	WG1624822
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/24/2021 12:52	WG1624822
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/24/2021 12:52	WG1624822
Naphthalene	U		0.124	0.500	1	02/24/2021 12:52	WG1624822
n-Propylbenzene	U		0.0472	0.200	1	02/24/2021 12:52	WG1624822
Styrene	U		0.109	0.500	1	02/24/2021 12:52	WG1624822
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/24/2021 12:52	WG1624822
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/24/2021 12:52	WG1624822
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/24/2021 12:52	WG1624822
Tetrachloroethene	U		0.0280	0.100	1	02/24/2021 21:46	WG1625047
Toluene	0.0770	J	0.0500	0.200	1	02/24/2021 12:52	WG1624822
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/24/2021 12:52	WG1624822
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/24/2021 12:52	WG1624822
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/24/2021 12:52	WG1624822

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/24/2021 12:52	WG1624822
Trichloroethene	0.143		0.0160	0.0400	1	02/24/2021 21:46	WG1625047
Trichlorofluoromethane	U		0.0200	0.100	1	02/24/2021 12:52	WG1624822
1,2,3-Trichloropropane	U		0.204	0.500	1	02/24/2021 12:52	WG1624822
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/24/2021 12:52	WG1624822
1,2,3-Trimethylbenzene	U	J4	0.0460	0.200	1	02/24/2021 12:52	WG1624822
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/24/2021 12:52	WG1624822
Vinyl chloride	6.52	C5 J4	0.0273	0.100	1	02/24/2021 12:52	WG1624822
Xylenes, Total	U		0.191	0.260	1	02/24/2021 12:52	WG1624822
Ethyl Ether	U		0.0170	0.100	1	02/24/2021 12:52	WG1624822
Tetrahydrofuran	U		0.0900	0.500	1	02/24/2021 12:52	WG1624822
Iodomethane	U		0.242	0.500	1	02/24/2021 12:52	WG1624822
Allyl chloride	U		0.580	1.00	1	02/24/2021 12:52	WG1624822
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/24/2021 12:52	WG1624822
(S) Toluene-d8	*117*			*75.0-131*		*02/24/2021 12:52*	WG1624822
(S) Toluene-d8	*94.9*			*75.0-131*		*02/24/2021 21:46*	WG1625047
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*02/24/2021 12:52*	WG1624822
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*02/24/2021 21:46*	WG1625047
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*02/24/2021 12:52*	WG1624822
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*02/24/2021 21:46*	WG1625047

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.20	J3 J4	0.548	1.00	1	02/24/2021 13:11	WG1624822
Acrylonitrile	U	J3	0.0760	0.500	1	02/24/2021 13:11	WG1624822
Benzene	0.0430		0.0160	0.0400	1	02/24/2021 13:11	WG1624822
Bromobenzene	U		0.0420	0.500	1	02/24/2021 13:11	WG1624822
Bromodichloromethane	U		0.0315	0.100	1	02/24/2021 13:11	WG1624822
Bromoform	U		0.239	1.00	1	02/24/2021 13:11	WG1624822
Bromomethane	U		0.148	0.500	1	02/24/2021 13:11	WG1624822
n-Butylbenzene	U		0.153	0.500	1	02/24/2021 13:11	WG1624822
sec-Butylbenzene	U		0.101	0.500	1	02/24/2021 13:11	WG1624822
tert-Butylbenzene	U		0.0620	0.200	1	02/24/2021 13:11	WG1624822
Carbon tetrachloride	U		0.0432	0.200	1	02/24/2021 13:11	WG1624822
Chlorobenzene	U		0.0229	0.100	1	02/24/2021 13:11	WG1624822
Chlorodibromomethane	U		0.0180	0.100	1	02/24/2021 13:11	WG1624822
Chloroethane	U		0.0432	0.200	1	02/24/2021 13:11	WG1624822
Chloroform	U		0.0166	0.100	1	02/24/2021 13:11	WG1624822
Chloromethane	U	J4	0.0556	0.500	1	02/24/2021 13:11	WG1624822
2-Chlorotoluene	U		0.0368	0.100	1	02/24/2021 13:11	WG1624822
4-Chlorotoluene	U		0.0452	0.200	1	02/24/2021 13:11	WG1624822
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/24/2021 13:11	WG1624822
1,2-Dibromoethane	U		0.0210	0.100	1	02/24/2021 13:11	WG1624822
Dibromomethane	U		0.0400	0.200	1	02/24/2021 13:11	WG1624822
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/24/2021 13:11	WG1624822
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/24/2021 13:11	WG1624822
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/24/2021 13:11	WG1624822
Dichlorodifluoromethane	U		0.0327	0.100	1	02/24/2021 13:11	WG1624822
1,1-Dichloroethane	U		0.0230	0.100	1	02/24/2021 13:11	WG1624822
1,2-Dichloroethane	U		0.0190	0.100	1	02/24/2021 13:11	WG1624822
1,1-Dichloroethene	U		0.0200	0.100	1	02/24/2021 13:11	WG1624822
cis-1,2-Dichloroethene	0.241		0.0276	0.100	1	02/24/2021 22:05	WG1625047
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/24/2021 13:11	WG1624822
1,2-Dichloropropane	U		0.0508	0.200	1	02/24/2021 13:11	WG1624822
1,1-Dichloropropene	U		0.0280	0.100	1	02/24/2021 13:11	WG1624822
1,3-Dichloropropane	U		0.0700	0.200	1	02/24/2021 13:11	WG1624822
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/24/2021 13:11	WG1624822
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/24/2021 13:11	WG1624822
2,2-Dichloropropane	U		0.0317	0.100	1	02/24/2021 13:11	WG1624822
Di-isopropyl ether	U		0.0140	0.0400	1	02/24/2021 13:11	WG1624822
Ethylbenzene	0.0870	J	0.0212	0.100	1	02/24/2021 13:11	WG1624822
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/24/2021 13:11	WG1624822
Isopropylbenzene	U		0.0345	0.100	1	02/24/2021 13:11	WG1624822
p-Isopropyltoluene	U		0.0932	0.200	1	02/24/2021 13:11	WG1624822
2-Butanone (MEK)	U		0.500	1.00	1	02/24/2021 13:11	WG1624822
Methylene Chloride	U		0.265	1.00	1	02/24/2021 13:11	WG1624822
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/24/2021 13:11	WG1624822
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/24/2021 13:11	WG1624822
Naphthalene	U		0.124	0.500	1	02/24/2021 13:11	WG1624822
n-Propylbenzene	U		0.0472	0.200	1	02/24/2021 13:11	WG1624822
Styrene	U		0.109	0.500	1	02/24/2021 13:11	WG1624822
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/24/2021 13:11	WG1624822
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/24/2021 13:11	WG1624822
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/24/2021 13:11	WG1624822
Tetrachloroethene	0.0780	J	0.0280	0.100	1	02/24/2021 22:05	WG1625047
Toluene	1.16		0.0500	0.200	1	02/24/2021 13:11	WG1624822
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/24/2021 13:11	WG1624822
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/24/2021 13:11	WG1624822
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/24/2021 13:11	WG1624822

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/24/2021 13:11	WG1624822
Trichloroethene	U		0.0160	0.0400	1	02/24/2021 22:05	WG1625047
Trichlorofluoromethane	U		0.0200	0.100	1	02/24/2021 13:11	WG1624822
1,2,3-Trichloropropane	U		0.204	0.500	1	02/24/2021 13:11	WG1624822
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/24/2021 13:11	WG1624822
1,2,3-Trimethylbenzene	U	J4	0.0460	0.200	1	02/24/2021 13:11	WG1624822
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/24/2021 13:11	WG1624822
Vinyl chloride	2.57	C5 J4	0.0273	0.100	1	02/24/2021 13:11	WG1624822
Xylenes, Total	0.310		0.191	0.260	1	02/24/2021 13:11	WG1624822
Ethyl Ether	U		0.0170	0.100	1	02/24/2021 13:11	WG1624822
Tetrahydrofuran	U		0.0900	0.500	1	02/24/2021 13:11	WG1624822
Iodomethane	U		0.242	0.500	1	02/24/2021 13:11	WG1624822
Allyl chloride	U		0.580	1.00	1	02/24/2021 13:11	WG1624822
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/24/2021 13:11	WG1624822
(S) Toluene-d8	*116*			*75.0-131*		*02/24/2021 13:11*	WG1624822
(S) Toluene-d8	*91.7*			*75.0-131*		*02/24/2021 22:05*	WG1625047
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*02/24/2021 13:11*	WG1624822
(S) 4-Bromofluorobenzene	*109*			*67.0-138*		*02/24/2021 22:05*	WG1625047
(S) 1,2-Dichloroethane-d4	*96.0*			*70.0-130*		*02/24/2021 13:11*	WG1624822
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*02/24/2021 22:05*	WG1625047

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	5.00	J3 J4	0.548	1.00	1	02/24/2021 13:30	WG1624822
Acrylonitrile	U	J3	0.0760	0.500	1	02/24/2021 13:30	WG1624822
Benzene	0.117		0.0160	0.0400	1	02/24/2021 13:30	WG1624822
Bromobenzene	U		0.0420	0.500	1	02/24/2021 13:30	WG1624822
Bromodichloromethane	U		0.0315	0.100	1	02/24/2021 13:30	WG1624822
Bromoform	U		0.239	1.00	1	02/24/2021 13:30	WG1624822
Bromomethane	U		0.148	0.500	1	02/24/2021 13:30	WG1624822
n-Butylbenzene	U		0.153	0.500	1	02/24/2021 13:30	WG1624822
sec-Butylbenzene	U		0.101	0.500	1	02/24/2021 13:30	WG1624822
tert-Butylbenzene	U		0.0620	0.200	1	02/24/2021 13:30	WG1624822
Carbon tetrachloride	U		0.0432	0.200	1	02/24/2021 13:30	WG1624822
Chlorobenzene	U		0.0229	0.100	1	02/24/2021 13:30	WG1624822
Chlorodibromomethane	U		0.0180	0.100	1	02/24/2021 13:30	WG1624822
Chloroethane	U		0.0432	0.200	1	02/24/2021 13:30	WG1624822
Chloroform	U		0.0166	0.100	1	02/24/2021 13:30	WG1624822
Chloromethane	U	J4	0.0556	0.500	1	02/24/2021 13:30	WG1624822
2-Chlorotoluene	U		0.0368	0.100	1	02/24/2021 13:30	WG1624822
4-Chlorotoluene	U		0.0452	0.200	1	02/24/2021 13:30	WG1624822
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/24/2021 13:30	WG1624822
1,2-Dibromoethane	U		0.0210	0.100	1	02/24/2021 13:30	WG1624822
Dibromomethane	U		0.0400	0.200	1	02/24/2021 13:30	WG1624822
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/24/2021 13:30	WG1624822
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/24/2021 13:30	WG1624822
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/24/2021 13:30	WG1624822
Dichlorodifluoromethane	U		0.0327	0.100	1	02/24/2021 13:30	WG1624822
1,1-Dichloroethane	U		0.0230	0.100	1	02/24/2021 13:30	WG1624822
1,2-Dichloroethane	U		0.0190	0.100	1	02/24/2021 13:30	WG1624822
1,1-Dichloroethene	U		0.0200	0.100	1	02/24/2021 13:30	WG1624822
cis-1,2-Dichloroethene	0.203		0.0276	0.100	1	02/24/2021 22:25	WG1625047
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/24/2021 13:30	WG1624822
1,2-Dichloropropane	U		0.0508	0.200	1	02/24/2021 13:30	WG1624822
1,1-Dichloropropene	U		0.0280	0.100	1	02/24/2021 13:30	WG1624822
1,3-Dichloropropane	U		0.0700	0.200	1	02/24/2021 13:30	WG1624822
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/24/2021 13:30	WG1624822
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/24/2021 13:30	WG1624822
2,2-Dichloropropane	U		0.0317	0.100	1	02/24/2021 13:30	WG1624822
Di-isopropyl ether	U		0.0140	0.0400	1	02/24/2021 13:30	WG1624822
Ethylbenzene	U		0.0212	0.100	1	02/24/2021 13:30	WG1624822
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/24/2021 13:30	WG1624822
Isopropylbenzene	U		0.0345	0.100	1	02/24/2021 13:30	WG1624822
p-Isopropyltoluene	U		0.0932	0.200	1	02/24/2021 13:30	WG1624822
2-Butanone (MEK)	U		0.500	1.00	1	02/24/2021 13:30	WG1624822
Methylene Chloride	U		0.265	1.00	1	02/24/2021 13:30	WG1624822
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/24/2021 13:30	WG1624822
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/24/2021 13:30	WG1624822
Naphthalene	U		0.124	0.500	1	02/24/2021 13:30	WG1624822
n-Propylbenzene	U		0.0472	0.200	1	02/24/2021 13:30	WG1624822
Styrene	U		0.109	0.500	1	02/24/2021 13:30	WG1624822
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/24/2021 13:30	WG1624822
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/24/2021 13:30	WG1624822
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/24/2021 13:30	WG1624822
Tetrachloroethene	U		0.0280	0.100	1	02/24/2021 13:30	WG1624822
Toluene	0.0550	J	0.0500	0.200	1	02/24/2021 13:30	WG1624822
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/24/2021 13:30	WG1624822
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/24/2021 13:30	WG1624822
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/24/2021 13:30	WG1624822

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/24/2021 13:30	WG1624822
Trichloroethene	0.0790		0.0160	0.0400	1	02/24/2021 22:25	WG1625047
Trichlorofluoromethane	U		0.0200	0.100	1	02/24/2021 13:30	WG1624822
1,2,3-Trichloropropane	U		0.204	0.500	1	02/24/2021 13:30	WG1624822
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/24/2021 13:30	WG1624822
1,2,3-Trimethylbenzene	U	J4	0.0460	0.200	1	02/24/2021 13:30	WG1624822
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/24/2021 13:30	WG1624822
Vinyl chloride	1.19	C5 J4	0.0273	0.100	1	02/24/2021 13:30	WG1624822
Xylenes, Total	U		0.191	0.260	1	02/24/2021 13:30	WG1624822
Ethyl Ether	U		0.0170	0.100	1	02/24/2021 13:30	WG1624822
Tetrahydrofuran	4.60		0.0900	0.500	1	02/24/2021 13:30	WG1624822
Iodomethane	U		0.242	0.500	1	02/24/2021 13:30	WG1624822
Allyl chloride	U		0.580	1.00	1	02/24/2021 13:30	WG1624822
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/24/2021 13:30	WG1624822
(S) Toluene-d8	*117*			*75.0-131*		*02/24/2021 13:30*	WG1624822
(S) Toluene-d8	*93.3*			*75.0-131*		*02/24/2021 22:25*	WG1625047
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*02/24/2021 13:30*	WG1624822
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*02/24/2021 22:25*	WG1625047
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*02/24/2021 13:30*	WG1624822
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*02/24/2021 22:25*	WG1625047

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	2.12	J3 J4	0.548	1.00	1	02/24/2021 13:49	WG1624822
Acrylonitrile	U	J3	0.0760	0.500	1	02/24/2021 13:49	WG1624822
Benzene	0.0880		0.0160	0.0400	1	02/24/2021 13:49	WG1624822
Bromobenzene	U		0.0420	0.500	1	02/24/2021 13:49	WG1624822
Bromodichloromethane	U		0.0315	0.100	1	02/24/2021 13:49	WG1624822
Bromoform	U		0.239	1.00	1	02/24/2021 13:49	WG1624822
Bromomethane	U		0.148	0.500	1	02/24/2021 13:49	WG1624822
n-Butylbenzene	U		0.153	0.500	1	02/24/2021 13:49	WG1624822
sec-Butylbenzene	U		0.101	0.500	1	02/24/2021 13:49	WG1624822
tert-Butylbenzene	U		0.0620	0.200	1	02/24/2021 13:49	WG1624822
Carbon tetrachloride	U		0.0432	0.200	1	02/24/2021 13:49	WG1624822
Chlorobenzene	U		0.0229	0.100	1	02/24/2021 13:49	WG1624822
Chlorodibromomethane	U		0.0180	0.100	1	02/24/2021 13:49	WG1624822
Chloroethane	U		0.0432	0.200	1	02/24/2021 13:49	WG1624822
Chloroform	U		0.0166	0.100	1	02/24/2021 13:49	WG1624822
Chloromethane	U	J4	0.0556	0.500	1	02/24/2021 13:49	WG1624822
2-Chlorotoluene	U		0.0368	0.100	1	02/24/2021 13:49	WG1624822
4-Chlorotoluene	U		0.0452	0.200	1	02/24/2021 13:49	WG1624822
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/24/2021 13:49	WG1624822
1,2-Dibromoethane	U		0.0210	0.100	1	02/24/2021 13:49	WG1624822
Dibromomethane	U		0.0400	0.200	1	02/24/2021 13:49	WG1624822
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/24/2021 13:49	WG1624822
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/24/2021 13:49	WG1624822
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/24/2021 13:49	WG1624822
Dichlorodifluoromethane	U		0.0327	0.100	1	02/24/2021 13:49	WG1624822
1,1-Dichloroethane	U		0.0230	0.100	1	02/24/2021 13:49	WG1624822
1,2-Dichloroethane	U		0.0190	0.100	1	02/24/2021 13:49	WG1624822
1,1-Dichloroethene	7.50		0.0200	0.100	1	02/24/2021 13:49	WG1624822
cis-1,2-Dichloroethene	878		0.552	2.00	20	02/25/2021 01:53	WG1625047
trans-1,2-Dichloroethene	4.72		0.0572	0.200	1	02/24/2021 13:49	WG1624822
1,2-Dichloropropane	U		0.0508	0.200	1	02/24/2021 13:49	WG1624822
1,1-Dichloropropene	U		0.0280	0.100	1	02/24/2021 13:49	WG1624822
1,3-Dichloropropane	U		0.0700	0.200	1	02/24/2021 13:49	WG1624822
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/24/2021 13:49	WG1624822
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/24/2021 13:49	WG1624822
2,2-Dichloropropane	U		0.0317	0.100	1	02/24/2021 13:49	WG1624822
Di-isopropyl ether	U		0.0140	0.0400	1	02/24/2021 13:49	WG1624822
Ethylbenzene	0.0610	J	0.0212	0.100	1	02/24/2021 13:49	WG1624822
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/24/2021 13:49	WG1624822
Isopropylbenzene	U		0.0345	0.100	1	02/24/2021 13:49	WG1624822
p-Isopropyltoluene	U		0.0932	0.200	1	02/24/2021 13:49	WG1624822
2-Butanone (MEK)	U		0.500	1.00	1	02/24/2021 13:49	WG1624822
Methylene Chloride	U		0.265	1.00	1	02/24/2021 13:49	WG1624822
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/24/2021 13:49	WG1624822
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/24/2021 13:49	WG1624822
Naphthalene	U		0.124	0.500	1	02/24/2021 13:49	WG1624822
n-Propylbenzene	U		0.0472	0.200	1	02/24/2021 13:49	WG1624822
Styrene	U		0.109	0.500	1	02/24/2021 13:49	WG1624822
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/24/2021 13:49	WG1624822
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/24/2021 13:49	WG1624822
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/24/2021 13:49	WG1624822
Tetrachloroethene	0.0540	J	0.0280	0.100	1	02/24/2021 13:49	WG1624822
Toluene	1.16		0.0500	0.200	1	02/24/2021 13:49	WG1624822
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/24/2021 13:49	WG1624822
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/24/2021 13:49	WG1624822
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/24/2021 13:49	WG1624822

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/24/2021 13:49	WG1624822
Trichloroethene	0.901		0.0160	0.0400	1	02/24/2021 13:49	WG1624822
Trichlorofluoromethane	U		0.0200	0.100	1	02/24/2021 13:49	WG1624822
1,2,3-Trichloropropane	U		0.204	0.500	1	02/24/2021 13:49	WG1624822
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/24/2021 13:49	WG1624822
1,2,3-Trimethylbenzene	U	J4	0.0460	0.200	1	02/24/2021 13:49	WG1624822
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/24/2021 13:49	WG1624822
Vinyl chloride	891		0.546	2.00	20	02/25/2021 01:53	WG1625047
Xylenes, Total	0.332		0.191	0.260	1	02/24/2021 13:49	WG1624822
Ethyl Ether	U		0.0170	0.100	1	02/24/2021 13:49	WG1624822
Tetrahydrofuran	U		0.0900	0.500	1	02/24/2021 13:49	WG1624822
Iodomethane	U		0.242	0.500	1	02/24/2021 13:49	WG1624822
Allyl chloride	U		0.580	1.00	1	02/24/2021 13:49	WG1624822
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/24/2021 13:49	WG1624822
(S) Toluene-d8	*115*			*75.0-131*		*02/24/2021 13:49*	WG1624822
(S) Toluene-d8	*90.3*			*75.0-131*		*02/25/2021 01:53*	WG1625047
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*02/24/2021 13:49*	WG1624822
(S) 4-Bromofluorobenzene	*107*			*67.0-138*		*02/25/2021 01:53*	WG1625047
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*02/24/2021 13:49*	WG1624822
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*02/25/2021 01:53*	WG1625047

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J3 J4	0.548	1.00	1	02/24/2021 14:27	WG1624822
Acrylonitrile	U	J3	0.0760	0.500	1	02/24/2021 14:27	WG1624822
Benzene	0.101		0.0160	0.0400	1	02/24/2021 14:27	WG1624822
Bromobenzene	U		0.0420	0.500	1	02/24/2021 14:27	WG1624822
Bromodichloromethane	U		0.0315	0.100	1	02/24/2021 14:27	WG1624822
Bromoform	U		0.239	1.00	1	02/24/2021 14:27	WG1624822
Bromomethane	U		0.148	0.500	1	02/24/2021 14:27	WG1624822
n-Butylbenzene	U		0.153	0.500	1	02/24/2021 14:27	WG1624822
sec-Butylbenzene	U		0.101	0.500	1	02/24/2021 14:27	WG1624822
tert-Butylbenzene	U		0.0620	0.200	1	02/24/2021 14:27	WG1624822
Carbon tetrachloride	U		0.0432	0.200	1	02/24/2021 14:27	WG1624822
Chlorobenzene	U		0.0229	0.100	1	02/24/2021 14:27	WG1624822
Chlorodibromomethane	U		0.0180	0.100	1	02/24/2021 14:27	WG1624822
Chloroethane	1.54	C5	0.0432	0.200	1	02/24/2021 14:27	WG1624822
Chloroform	U		0.0166	0.100	1	02/24/2021 14:27	WG1624822
Chloromethane	U	J4	0.0556	0.500	1	02/24/2021 14:27	WG1624822
2-Chlorotoluene	U		0.0368	0.100	1	02/24/2021 14:27	WG1624822
4-Chlorotoluene	U		0.0452	0.200	1	02/24/2021 14:27	WG1624822
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/24/2021 14:27	WG1624822
1,2-Dibromoethane	U		0.0210	0.100	1	02/24/2021 14:27	WG1624822
Dibromomethane	U		0.0400	0.200	1	02/24/2021 14:27	WG1624822
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/24/2021 14:27	WG1624822
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/24/2021 14:27	WG1624822
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/24/2021 14:27	WG1624822
Dichlorodifluoromethane	U		0.0327	0.100	1	02/24/2021 14:27	WG1624822
1,1-Dichloroethane	0.0290	J	0.0230	0.100	1	02/24/2021 14:27	WG1624822
1,2-Dichloroethane	U		0.0190	0.100	1	02/24/2021 14:27	WG1624822
1,1-Dichloroethene	7.56		0.0200	0.100	1	02/24/2021 14:27	WG1624822
cis-1,2-Dichloroethene	588		1.38	5.00	50	02/25/2021 03:09	WG1625251
trans-1,2-Dichloroethene	4.50		0.0572	0.200	1	02/24/2021 14:27	WG1624822
1,2-Dichloropropane	U		0.0508	0.200	1	02/24/2021 14:27	WG1624822
1,1-Dichloropropene	U		0.0280	0.100	1	02/24/2021 14:27	WG1624822
1,3-Dichloropropane	U		0.0700	0.200	1	02/24/2021 14:27	WG1624822
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/24/2021 14:27	WG1624822
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/24/2021 14:27	WG1624822
2,2-Dichloropropane	U		0.0317	0.100	1	02/24/2021 14:27	WG1624822
Di-isopropyl ether	U		0.0140	0.0400	1	02/24/2021 14:27	WG1624822
Ethylbenzene	0.0910	J	0.0212	0.100	1	02/24/2021 14:27	WG1624822
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/24/2021 14:27	WG1624822
Isopropylbenzene	U		0.0345	0.100	1	02/24/2021 14:27	WG1624822
p-Isopropyltoluene	U		0.0932	0.200	1	02/24/2021 14:27	WG1624822
2-Butanone (MEK)	U		0.500	1.00	1	02/24/2021 14:27	WG1624822
Methylene Chloride	U		0.265	1.00	1	02/24/2021 14:27	WG1624822
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/24/2021 14:27	WG1624822
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/24/2021 14:27	WG1624822
Naphthalene	U		0.124	0.500	1	02/24/2021 14:27	WG1624822
n-Propylbenzene	U		0.0472	0.200	1	02/24/2021 14:27	WG1624822
Styrene	U		0.109	0.500	1	02/24/2021 14:27	WG1624822
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/24/2021 14:27	WG1624822
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/24/2021 14:27	WG1624822
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/24/2021 14:27	WG1624822
Tetrachloroethene	0.101	C5	0.0280	0.100	1	02/24/2021 14:27	WG1624822
Toluene	1.14		0.0500	0.200	1	02/24/2021 14:27	WG1624822
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/24/2021 14:27	WG1624822
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/24/2021 14:27	WG1624822
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/24/2021 14:27	WG1624822

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/24/2021 14:27	WG1624822
Trichloroethene	1.02		0.0160	0.0400	1	02/24/2021 14:27	WG1624822
Trichlorofluoromethane	U		0.0200	0.100	1	02/24/2021 14:27	WG1624822
1,2,3-Trichloropropane	U		0.204	0.500	1	02/24/2021 14:27	WG1624822
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/24/2021 14:27	WG1624822
1,2,3-Trimethylbenzene	U	J4	0.0460	0.200	1	02/24/2021 14:27	WG1624822
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/24/2021 14:27	WG1624822
Vinyl chloride	396		1.36	5.00	50	02/25/2021 03:09	WG1625251
Xylenes, Total	0.290		0.191	0.260	1	02/24/2021 14:27	WG1624822
Ethyl Ether	U		0.0170	0.100	1	02/24/2021 14:27	WG1624822
Tetrahydrofuran	U		0.0900	0.500	1	02/24/2021 14:27	WG1624822
Iodomethane	U		0.242	0.500	1	02/24/2021 14:27	WG1624822
Allyl chloride	U		0.580	1.00	1	02/24/2021 14:27	WG1624822
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/24/2021 14:27	WG1624822
(S) Toluene-d8	*118*			*75.0-131*		*02/24/2021 14:27*	WG1624822
(S) Toluene-d8	*91.6*			*75.0-131*		*02/25/2021 03:09*	WG1625251
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*02/24/2021 14:27*	WG1624822
(S) 4-Bromofluorobenzene	*111*			*67.0-138*		*02/25/2021 03:09*	WG1625251
(S) 1,2-Dichloroethane-d4	*95.1*			*70.0-130*		*02/24/2021 14:27*	WG1624822
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*02/25/2021 03:09*	WG1625251

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J3 J4	0.548	1.00	1	02/24/2021 14:46	WG1624822
Acrylonitrile	U	J3	0.0760	0.500	1	02/24/2021 14:46	WG1624822
Benzene	0.106		0.0160	0.0400	1	02/24/2021 14:46	WG1624822
Bromobenzene	U		0.0420	0.500	1	02/24/2021 14:46	WG1624822
Bromodichloromethane	U		0.0315	0.100	1	02/24/2021 14:46	WG1624822
Bromoform	U		0.239	1.00	1	02/24/2021 14:46	WG1624822
Bromomethane	U		0.148	0.500	1	02/24/2021 14:46	WG1624822
n-Butylbenzene	U		0.153	0.500	1	02/24/2021 14:46	WG1624822
sec-Butylbenzene	U		0.101	0.500	1	02/24/2021 14:46	WG1624822
tert-Butylbenzene	U		0.0620	0.200	1	02/24/2021 14:46	WG1624822
Carbon tetrachloride	U		0.0432	0.200	1	02/24/2021 14:46	WG1624822
Chlorobenzene	U		0.0229	0.100	1	02/24/2021 14:46	WG1624822
Chlorodibromomethane	U		0.0180	0.100	1	02/24/2021 14:46	WG1624822
Chloroethane	U		0.0432	0.200	1	02/24/2021 14:46	WG1624822
Chloroform	U		0.0166	0.100	1	02/24/2021 14:46	WG1624822
Chloromethane	U	J4	0.0556	0.500	1	02/24/2021 14:46	WG1624822
2-Chlorotoluene	U		0.0368	0.100	1	02/24/2021 14:46	WG1624822
4-Chlorotoluene	U		0.0452	0.200	1	02/24/2021 14:46	WG1624822
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/24/2021 14:46	WG1624822
1,2-Dibromoethane	U		0.0210	0.100	1	02/24/2021 14:46	WG1624822
Dibromomethane	U		0.0400	0.200	1	02/24/2021 14:46	WG1624822
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/24/2021 14:46	WG1624822
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/24/2021 14:46	WG1624822
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/24/2021 14:46	WG1624822
Dichlorodifluoromethane	U		0.0327	0.100	1	02/24/2021 14:46	WG1624822
1,1-Dichloroethane	U		0.0230	0.100	1	02/24/2021 14:46	WG1624822
1,2-Dichloroethane	U		0.0190	0.100	1	02/24/2021 14:46	WG1624822
1,1-Dichloroethene	U		0.0200	0.100	1	02/24/2021 14:46	WG1624822
cis-1,2-Dichloroethene	0.158		0.0276	0.100	1	02/25/2021 02:12	WG1625251
trans-1,2-Dichloroethene	0.704		0.0572	0.200	1	02/24/2021 14:46	WG1624822
1,2-Dichloropropane	U		0.0508	0.200	1	02/24/2021 14:46	WG1624822
1,1-Dichloropropene	U		0.0280	0.100	1	02/24/2021 14:46	WG1624822
1,3-Dichloropropane	U		0.0700	0.200	1	02/24/2021 14:46	WG1624822
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/24/2021 14:46	WG1624822
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/24/2021 14:46	WG1624822
2,2-Dichloropropane	U		0.0317	0.100	1	02/24/2021 14:46	WG1624822
Di-isopropyl ether	U		0.0140	0.0400	1	02/24/2021 14:46	WG1624822
Ethylbenzene	U		0.0212	0.100	1	02/24/2021 14:46	WG1624822
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/24/2021 14:46	WG1624822
Isopropylbenzene	U		0.0345	0.100	1	02/24/2021 14:46	WG1624822
p-Isopropyltoluene	U		0.0932	0.200	1	02/24/2021 14:46	WG1624822
2-Butanone (MEK)	U		0.500	1.00	1	02/24/2021 14:46	WG1624822
Methylene Chloride	U		0.265	1.00	1	02/24/2021 14:46	WG1624822
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/24/2021 14:46	WG1624822
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/24/2021 14:46	WG1624822
Naphthalene	U		0.124	0.500	1	02/24/2021 14:46	WG1624822
n-Propylbenzene	U		0.0472	0.200	1	02/24/2021 14:46	WG1624822
Styrene	U		0.109	0.500	1	02/24/2021 14:46	WG1624822
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/24/2021 14:46	WG1624822
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/24/2021 14:46	WG1624822
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/24/2021 14:46	WG1624822
Tetrachloroethene	U		0.0280	0.100	1	02/24/2021 14:46	WG1624822
Toluene	0.0570	J	0.0500	0.200	1	02/24/2021 14:46	WG1624822
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/24/2021 14:46	WG1624822
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/24/2021 14:46	WG1624822
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/24/2021 14:46	WG1624822

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/24/2021 14:46	WG1624822
Trichloroethene	0.0460		0.0160	0.0400	1	02/24/2021 14:46	WG1624822
Trichlorofluoromethane	U		0.0200	0.100	1	02/24/2021 14:46	WG1624822
1,2,3-Trichloropropane	U		0.204	0.500	1	02/24/2021 14:46	WG1624822
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/24/2021 14:46	WG1624822
1,2,3-Trimethylbenzene	U	J4	0.0460	0.200	1	02/24/2021 14:46	WG1624822
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/24/2021 14:46	WG1624822
Vinyl chloride	1.72		0.0273	0.100	1	02/25/2021 02:12	WG1625251
Xylenes, Total	U		0.191	0.260	1	02/24/2021 14:46	WG1624822
Ethyl Ether	U		0.0170	0.100	1	02/24/2021 14:46	WG1624822
Tetrahydrofuran	U		0.0900	0.500	1	02/24/2021 14:46	WG1624822
Iodomethane	U		0.242	0.500	1	02/24/2021 14:46	WG1624822
Allyl chloride	U		0.580	1.00	1	02/24/2021 14:46	WG1624822
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/24/2021 14:46	WG1624822
(S) Toluene-d8	*117*			*75.0-131*		*02/24/2021 14:46*	WG1624822
(S) Toluene-d8	*90.9*			*75.0-131*		*02/25/2021 02:12*	WG1625251
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*02/24/2021 14:46*	WG1624822
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*02/25/2021 02:12*	WG1625251
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*02/24/2021 14:46*	WG1624822
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*02/25/2021 02:12*	WG1625251

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J3 J4	5.48	10.0	10	02/24/2021 17:17	WG1624822
Acrylonitrile	U	J3	0.760	5.00	10	02/24/2021 17:17	WG1624822
Benzene	0.320	J	0.160	0.400	10	02/24/2021 17:17	WG1624822
Bromobenzene	U		0.420	5.00	10	02/24/2021 17:17	WG1624822
Bromodichloromethane	U		0.315	1.00	10	02/24/2021 17:17	WG1624822
Bromoform	U		2.39	10.0	10	02/24/2021 17:17	WG1624822
Bromomethane	U		1.48	5.00	10	02/24/2021 17:17	WG1624822
n-Butylbenzene	U		1.53	5.00	10	02/24/2021 17:17	WG1624822
sec-Butylbenzene	U		1.01	5.00	10	02/24/2021 17:17	WG1624822
tert-Butylbenzene	U		0.620	2.00	10	02/24/2021 17:17	WG1624822
Carbon tetrachloride	U		0.432	2.00	10	02/24/2021 17:17	WG1624822
Chlorobenzene	U		0.229	1.00	10	02/24/2021 17:17	WG1624822
Chlorodibromomethane	U		0.180	1.00	10	02/24/2021 17:17	WG1624822
Chloroethane	28.5	C5	0.432	2.00	10	02/24/2021 17:17	WG1624822
Chloroform	U		0.166	1.00	10	02/24/2021 17:17	WG1624822
Chloromethane	U	J4	0.556	5.00	10	02/24/2021 17:17	WG1624822
2-Chlorotoluene	U		0.368	1.00	10	02/24/2021 17:17	WG1624822
4-Chlorotoluene	U		0.452	2.00	10	02/24/2021 17:17	WG1624822
1,2-Dibromo-3-Chloropropane	U		2.04	10.0	10	02/24/2021 17:17	WG1624822
1,2-Dibromoethane	U		0.210	1.00	10	02/24/2021 17:17	WG1624822
Dibromomethane	U		0.400	2.00	10	02/24/2021 17:17	WG1624822
1,2-Dichlorobenzene	U		0.580	2.00	10	02/24/2021 17:17	WG1624822
1,3-Dichlorobenzene	U		0.680	2.00	10	02/24/2021 17:17	WG1624822
1,4-Dichlorobenzene	U		0.788	2.00	10	02/24/2021 17:17	WG1624822
Dichlorodifluoromethane	U		0.327	1.00	10	02/24/2021 17:17	WG1624822
1,1-Dichloroethane	U		0.230	1.00	10	02/24/2021 17:17	WG1624822
1,2-Dichloroethane	U		0.190	1.00	10	02/24/2021 17:17	WG1624822
1,1-Dichloroethene	18.7		0.200	1.00	10	02/24/2021 17:17	WG1624822
cis-1,2-Dichloroethene	5450		13.8	50.0	500	02/25/2021 03:28	WG1625251
trans-1,2-Dichloroethene	156		0.572	2.00	10	02/24/2021 17:17	WG1624822
1,2-Dichloropropane	U		0.508	2.00	10	02/24/2021 17:17	WG1624822
1,1-Dichloropropene	U		0.280	1.00	10	02/24/2021 17:17	WG1624822
1,3-Dichloropropane	U		0.700	2.00	10	02/24/2021 17:17	WG1624822
cis-1,3-Dichloropropene	U		0.271	1.00	10	02/24/2021 17:17	WG1624822
trans-1,3-Dichloropropene	U		0.612	2.00	10	02/24/2021 17:17	WG1624822
2,2-Dichloropropane	U		0.317	1.00	10	02/24/2021 17:17	WG1624822
Di-isopropyl ether	U		0.140	0.400	10	02/24/2021 17:17	WG1624822
Ethylbenzene	0.700	J	0.212	1.00	10	02/24/2021 17:17	WG1624822
Hexachloro-1,3-butadiene	U		5.08	10.0	10	02/24/2021 17:17	WG1624822
Isopropylbenzene	U		0.345	1.00	10	02/24/2021 17:17	WG1624822
p-Isopropyltoluene	U		0.932	2.00	10	02/24/2021 17:17	WG1624822
2-Butanone (MEK)	U		5.00	10.0	10	02/24/2021 17:17	WG1624822
Methylene Chloride	U		2.65	10.0	10	02/24/2021 17:17	WG1624822
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	02/24/2021 17:17	WG1624822
Methyl tert-butyl ether	U		0.118	0.400	10	02/24/2021 17:17	WG1624822
Naphthalene	U		1.24	5.00	10	02/24/2021 17:17	WG1624822
n-Propylbenzene	U		0.472	2.00	10	02/24/2021 17:17	WG1624822
Styrene	U		1.09	5.00	10	02/24/2021 17:17	WG1624822
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	02/24/2021 17:17	WG1624822
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	02/24/2021 17:17	WG1624822
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	02/24/2021 17:17	WG1624822
Tetrachloroethene	0.730	J	0.280	1.00	10	02/24/2021 17:17	WG1624822
Toluene	0.670	J	0.500	2.00	10	02/24/2021 17:17	WG1624822
1,2,3-Trichlorobenzene	U		0.250	5.00	10	02/24/2021 17:17	WG1624822
1,2,4-Trichlorobenzene	U		1.93	5.00	10	02/24/2021 17:17	WG1624822
1,1,1-Trichloroethane	U		0.110	1.00	10	02/24/2021 17:17	WG1624822

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.353	1.00	10	02/24/2021 17:17	WG1624822
Trichloroethene	4.90		0.160	0.400	10	02/24/2021 17:17	WG1624822
Trichlorofluoromethane	U		0.200	1.00	10	02/24/2021 17:17	WG1624822
1,2,3-Trichloropropane	U		2.04	5.00	10	02/24/2021 17:17	WG1624822
1,2,4-Trimethylbenzene	1.46	J	0.464	2.00	10	02/24/2021 17:17	WG1624822
1,2,3-Trimethylbenzene	U	J4	0.460	2.00	10	02/24/2021 17:17	WG1624822
1,3,5-Trimethylbenzene	U		0.432	2.00	10	02/24/2021 17:17	WG1624822
Vinyl chloride	14400		13.6	50.0	500	02/25/2021 03:28	WG1625251
Xylenes, Total	2.82		1.91	2.60	10	02/24/2021 17:17	WG1624822
Ethyl Ether	U		0.170	1.00	10	02/24/2021 17:17	WG1624822
Tetrahydrofuran	U		0.900	5.00	10	02/24/2021 17:17	WG1624822
Iodomethane	U		2.42	5.00	10	02/24/2021 17:17	WG1624822
Allyl chloride	U		5.80	10.0	10	02/24/2021 17:17	WG1624822
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	02/24/2021 17:17	WG1624822
(S) Toluene-d8	*118*			*75.0-131*		*02/24/2021 17:17*	WG1624822
(S) Toluene-d8	*91.9*			*75.0-131*		*02/25/2021 03:28*	WG1625251
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*02/24/2021 17:17*	WG1624822
(S) 4-Bromofluorobenzene	*109*			*67.0-138*		*02/25/2021 03:28*	WG1625251
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*02/24/2021 17:17*	WG1624822
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*02/25/2021 03:28*	WG1625251

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J3 J4	0.548	1.00	1	02/24/2021 15:05	WG1624822
Acrylonitrile	U	J3	0.0760	0.500	1	02/24/2021 15:05	WG1624822
Benzene	0.0490		0.0160	0.0400	1	02/24/2021 15:05	WG1624822
Bromobenzene	U		0.0420	0.500	1	02/24/2021 15:05	WG1624822
Bromodichloromethane	U		0.0315	0.100	1	02/24/2021 15:05	WG1624822
Bromoform	U		0.239	1.00	1	02/24/2021 15:05	WG1624822
Bromomethane	U		0.148	0.500	1	02/24/2021 15:05	WG1624822
n-Butylbenzene	U		0.153	0.500	1	02/24/2021 15:05	WG1624822
sec-Butylbenzene	U		0.101	0.500	1	02/24/2021 15:05	WG1624822
tert-Butylbenzene	U		0.0620	0.200	1	02/24/2021 15:05	WG1624822
Carbon tetrachloride	U		0.0432	0.200	1	02/24/2021 15:05	WG1624822
Chlorobenzene	U		0.0229	0.100	1	02/24/2021 15:05	WG1624822
Chlorodibromomethane	U		0.0180	0.100	1	02/24/2021 15:05	WG1624822
Chloroethane	8.22	C5	0.0432	0.200	1	02/24/2021 15:05	WG1624822
Chloroform	0.0680	J	0.0166	0.100	1	02/24/2021 15:05	WG1624822
Chloromethane	U	J4	0.0556	0.500	1	02/24/2021 15:05	WG1624822
2-Chlorotoluene	U		0.0368	0.100	1	02/24/2021 15:05	WG1624822
4-Chlorotoluene	U		0.0452	0.200	1	02/24/2021 15:05	WG1624822
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/24/2021 15:05	WG1624822
1,2-Dibromoethane	U		0.0210	0.100	1	02/24/2021 15:05	WG1624822
Dibromomethane	U		0.0400	0.200	1	02/24/2021 15:05	WG1624822
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/24/2021 15:05	WG1624822
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/24/2021 15:05	WG1624822
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/24/2021 15:05	WG1624822
Dichlorodifluoromethane	U		0.0327	0.100	1	02/24/2021 15:05	WG1624822
1,1-Dichloroethane	0.137		0.0230	0.100	1	02/24/2021 15:05	WG1624822
1,2-Dichloroethane	U		0.0190	0.100	1	02/24/2021 15:05	WG1624822
1,1-Dichloroethene	89.8		0.0200	0.100	1	02/24/2021 15:05	WG1624822
cis-1,2-Dichloroethene	955		2.76	10.0	100	02/25/2021 03:47	WG1625251
trans-1,2-Dichloroethene	44.3		0.0572	0.200	1	02/24/2021 15:05	WG1624822
1,2-Dichloropropane	U		0.0508	0.200	1	02/24/2021 15:05	WG1624822
1,1-Dichloropropene	U		0.0280	0.100	1	02/24/2021 15:05	WG1624822
1,3-Dichloropropane	U		0.0700	0.200	1	02/24/2021 15:05	WG1624822
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/24/2021 15:05	WG1624822
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/24/2021 15:05	WG1624822
2,2-Dichloropropane	U		0.0317	0.100	1	02/24/2021 15:05	WG1624822
Di-isopropyl ether	U		0.0140	0.0400	1	02/24/2021 15:05	WG1624822
Ethylbenzene	0.0680	J	0.0212	0.100	1	02/24/2021 15:05	WG1624822
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/24/2021 15:05	WG1624822
Isopropylbenzene	U		0.0345	0.100	1	02/24/2021 15:05	WG1624822
p-Isopropyltoluene	U		0.0932	0.200	1	02/24/2021 15:05	WG1624822
2-Butanone (MEK)	U		0.500	1.00	1	02/24/2021 15:05	WG1624822
Methylene Chloride	U		0.265	1.00	1	02/24/2021 15:05	WG1624822
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/24/2021 15:05	WG1624822
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/24/2021 15:05	WG1624822
Naphthalene	U		0.124	0.500	1	02/24/2021 15:05	WG1624822
n-Propylbenzene	U		0.0472	0.200	1	02/24/2021 15:05	WG1624822
Styrene	U		0.109	0.500	1	02/24/2021 15:05	WG1624822
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/24/2021 15:05	WG1624822
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/24/2021 15:05	WG1624822
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/24/2021 15:05	WG1624822
Tetrachloroethene	5370		2.80	10.0	100	02/25/2021 03:47	WG1625251
Toluene	0.481		0.0500	0.200	1	02/24/2021 15:05	WG1624822
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/24/2021 15:05	WG1624822
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/24/2021 15:05	WG1624822
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/24/2021 15:05	WG1624822

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/24/2021 15:05	WG1624822
Trichloroethene	3740		1.60	4.00	100	02/25/2021 03:47	WG1625251
Trichlorofluoromethane	U		0.0200	0.100	1	02/24/2021 15:05	WG1624822
1,2,3-Trichloropropane	U		0.204	0.500	1	02/24/2021 15:05	WG1624822
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/24/2021 15:05	WG1624822
1,2,3-Trimethylbenzene	U	J4	0.0460	0.200	1	02/24/2021 15:05	WG1624822
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/24/2021 15:05	WG1624822
Vinyl chloride	179		2.73	10.0	100	02/25/2021 03:47	WG1625251
Xylenes, Total	0.216	J	0.191	0.260	1	02/24/2021 15:05	WG1624822
Ethyl Ether	U		0.0170	0.100	1	02/24/2021 15:05	WG1624822
Tetrahydrofuran	U		0.0900	0.500	1	02/24/2021 15:05	WG1624822
Iodomethane	U		0.242	0.500	1	02/24/2021 15:05	WG1624822
Allyl chloride	U		0.580	1.00	1	02/24/2021 15:05	WG1624822
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/24/2021 15:05	WG1624822
(S) Toluene-d8	*117*			*75.0-131*		*02/24/2021 15:05*	WG1624822
(S) Toluene-d8	*90.3*			*75.0-131*		*02/25/2021 03:47*	WG1625251
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*02/24/2021 15:05*	WG1624822
(S) 4-Bromofluorobenzene	*110*			*67.0-138*		*02/25/2021 03:47*	WG1625251
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*02/24/2021 15:05*	WG1624822
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*02/25/2021 03:47*	WG1625251

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.06	J3 J4	0.548	1.00	1	02/24/2021 10:58	WG1624822
Acrylonitrile	U	J3	0.0760	0.500	1	02/24/2021 10:58	WG1624822
Benzene	U		0.0160	0.0400	1	02/24/2021 10:58	WG1624822
Bromobenzene	U		0.0420	0.500	1	02/24/2021 10:58	WG1624822
Bromodichloromethane	U		0.0315	0.100	1	02/24/2021 10:58	WG1624822
Bromoform	U		0.239	1.00	1	02/24/2021 10:58	WG1624822
Bromomethane	U		0.148	0.500	1	02/24/2021 10:58	WG1624822
n-Butylbenzene	U		0.153	0.500	1	02/24/2021 10:58	WG1624822
sec-Butylbenzene	U		0.101	0.500	1	02/24/2021 10:58	WG1624822
tert-Butylbenzene	U		0.0620	0.200	1	02/24/2021 10:58	WG1624822
Carbon tetrachloride	U		0.0432	0.200	1	02/24/2021 10:58	WG1624822
Chlorobenzene	U		0.0229	0.100	1	02/24/2021 10:58	WG1624822
Chlorodibromomethane	U		0.0180	0.100	1	02/24/2021 10:58	WG1624822
Chloroethane	U		0.0432	0.200	1	02/24/2021 10:58	WG1624822
Chloroform	U		0.0166	0.100	1	02/24/2021 10:58	WG1624822
Chloromethane	U	J4	0.0556	0.500	1	02/24/2021 10:58	WG1624822
2-Chlorotoluene	U		0.0368	0.100	1	02/24/2021 10:58	WG1624822
4-Chlorotoluene	U		0.0452	0.200	1	02/24/2021 10:58	WG1624822
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	02/24/2021 10:58	WG1624822
1,2-Dibromoethane	U		0.0210	0.100	1	02/24/2021 10:58	WG1624822
Dibromomethane	U		0.0400	0.200	1	02/24/2021 10:58	WG1624822
1,2-Dichlorobenzene	U		0.0580	0.200	1	02/24/2021 10:58	WG1624822
1,3-Dichlorobenzene	U		0.0680	0.200	1	02/24/2021 10:58	WG1624822
1,4-Dichlorobenzene	U		0.0788	0.200	1	02/24/2021 10:58	WG1624822
Dichlorodifluoromethane	U		0.0327	0.100	1	02/24/2021 10:58	WG1624822
1,1-Dichloroethane	U		0.0230	0.100	1	02/24/2021 10:58	WG1624822
1,2-Dichloroethane	U		0.0190	0.100	1	02/24/2021 10:58	WG1624822
1,1-Dichloroethene	U		0.0200	0.100	1	02/24/2021 10:58	WG1624822
cis-1,2-Dichloroethene	U		0.0276	0.100	1	02/24/2021 10:58	WG1624822
trans-1,2-Dichloroethene	U		0.0572	0.200	1	02/24/2021 10:58	WG1624822
1,2-Dichloropropane	U		0.0508	0.200	1	02/24/2021 10:58	WG1624822
1,1-Dichloropropene	U		0.0280	0.100	1	02/24/2021 10:58	WG1624822
1,3-Dichloropropane	U		0.0700	0.200	1	02/24/2021 10:58	WG1624822
cis-1,3-Dichloropropene	U		0.0271	0.100	1	02/24/2021 10:58	WG1624822
trans-1,3-Dichloropropene	U		0.0612	0.200	1	02/24/2021 10:58	WG1624822
2,2-Dichloropropane	U		0.0317	0.100	1	02/24/2021 10:58	WG1624822
Di-isopropyl ether	U		0.0140	0.0400	1	02/24/2021 10:58	WG1624822
Ethylbenzene	U		0.0212	0.100	1	02/24/2021 10:58	WG1624822
Hexachloro-1,3-butadiene	U		0.508	1.00	1	02/24/2021 10:58	WG1624822
Isopropylbenzene	U		0.0345	0.100	1	02/24/2021 10:58	WG1624822
p-Isopropyltoluene	U		0.0932	0.200	1	02/24/2021 10:58	WG1624822
2-Butanone (MEK)	U		0.500	1.00	1	02/24/2021 10:58	WG1624822
Methylene Chloride	U		0.265	1.00	1	02/24/2021 10:58	WG1624822
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	02/24/2021 10:58	WG1624822
Methyl tert-butyl ether	U		0.0118	0.0400	1	02/24/2021 10:58	WG1624822
Naphthalene	U		0.124	0.500	1	02/24/2021 10:58	WG1624822
n-Propylbenzene	U		0.0472	0.200	1	02/24/2021 10:58	WG1624822
Styrene	U		0.109	0.500	1	02/24/2021 10:58	WG1624822
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	02/24/2021 10:58	WG1624822
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	02/24/2021 10:58	WG1624822
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	02/24/2021 10:58	WG1624822
Tetrachloroethene	U		0.0280	0.100	1	02/24/2021 10:58	WG1624822
Toluene	U		0.0500	0.200	1	02/24/2021 10:58	WG1624822
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	02/24/2021 10:58	WG1624822
1,2,4-Trichlorobenzene	U		0.193	0.500	1	02/24/2021 10:58	WG1624822
1,1,1-Trichloroethane	U		0.0110	0.100	1	02/24/2021 10:58	WG1624822

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	02/24/2021 10:58	WG1624822
Trichloroethene	U		0.0160	0.0400	1	02/24/2021 10:58	WG1624822
Trichlorofluoromethane	U		0.0200	0.100	1	02/24/2021 10:58	WG1624822
1,2,3-Trichloropropane	U		0.204	0.500	1	02/24/2021 10:58	WG1624822
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	02/24/2021 10:58	WG1624822
1,2,3-Trimethylbenzene	U	J4	0.0460	0.200	1	02/24/2021 10:58	WG1624822
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	02/24/2021 10:58	WG1624822
Vinyl chloride	U	J4	0.0273	0.100	1	02/24/2021 10:58	WG1624822
Xylenes, Total	U		0.191	0.260	1	02/24/2021 10:58	WG1624822
Ethyl Ether	U		0.0170	0.100	1	02/24/2021 10:58	WG1624822
Tetrahydrofuran	U		0.0900	0.500	1	02/24/2021 10:58	WG1624822
Iodomethane	U		0.242	0.500	1	02/24/2021 10:58	WG1624822
Allyl chloride	U		0.580	1.00	1	02/24/2021 10:58	WG1624822
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	02/24/2021 10:58	WG1624822
(S) Toluene-d8	*118*			*75.0-131*		*02/24/2021 10:58*	WG1624822
(S) 4-Bromofluorobenzene	*107*			*67.0-138*		*02/24/2021 10:58*	WG1624822
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*02/24/2021 10:58*	WG1624822

Method Blank (MB)

(MB) R3624659-3 02/24/21 09:57

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		0.548	1.00
Acrylonitrile	U		0.0760	0.500
Benzene	U		0.0160	0.0400
Bromobenzene	U		0.0420	0.500
Bromodichloromethane	U		0.0315	0.100
Bromoform	U		0.239	1.00
Bromomethane	U		0.148	0.500
n-Butylbenzene	U		0.153	0.500
sec-Butylbenzene	U		0.101	0.500
tert-Butylbenzene	U		0.0620	0.200
Carbon tetrachloride	U		0.0432	0.200
Chlorobenzene	U		0.0229	0.100
Chlorodibromomethane	U		0.0180	0.100
Chloroethane	U		0.0432	0.200
Chloroform	U		0.0166	0.100
Chloromethane	U		0.0556	0.500
2-Chlorotoluene	U		0.0368	0.100
4-Chlorotoluene	U		0.0452	0.200
1,2-Dibromo-3-Chloropropane	U		0.204	1.00
1,2-Dibromoethane	U		0.0210	0.100
Dibromomethane	U		0.0400	0.200
1,2-Dichlorobenzene	U		0.0580	0.200
1,3-Dichlorobenzene	U		0.0680	0.200
1,4-Dichlorobenzene	U		0.0788	0.200
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
Dichlorodifluoromethane	U		0.0327	0.100
1,1-Dichloroethane	U		0.0230	0.100
1,2-Dichloroethane	U		0.0190	0.100
1,1-Dichloroethene	U		0.0200	0.100
cis-1,2-Dichloroethene	U		0.0276	0.100
trans-1,2-Dichloroethene	U		0.0572	0.200
1,2-Dichloropropane	U		0.0508	0.200
1,1-Dichloropropene	U		0.0280	0.100
1,3-Dichloropropane	U		0.0700	0.200
cis-1,3-Dichloropropene	U		0.0271	0.100
trans-1,3-Dichloropropene	U		0.0612	0.200
2,2-Dichloropropane	U		0.0317	0.100
Di-isopropyl ether	U		0.0140	0.0400
Ethylbenzene	U		0.0212	0.100
Ethyl ether	U		0.0170	0.100

Method Blank (MB)

(MB) R3624659-3 02/24/21 09:57

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	U		0.508	1.00
Iodomethane	U		0.242	0.500
Isopropylbenzene	U		0.0345	0.100
p-Isopropyltoluene	U		0.0932	0.200
2-Butanone (MEK)	U		0.500	1.00
Methylene Chloride	U		0.265	1.00
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00
Methyl tert-butyl ether	U		0.0118	0.0400
Naphthalene	U		0.124	0.500
n-Propylbenzene	U		0.0472	0.200
Styrene	U		0.109	0.500
1,1,1,2-Tetrachloroethane	U		0.0200	0.100
1,1,2,2-Tetrachloroethane	U		0.0156	0.100
Tetrachloroethene	U		0.0280	0.100
Tetrahydrofuran	U		0.0900	0.500
Toluene	U		0.0500	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100
1,2,3-Trichlorobenzene	U		0.0250	0.500
1,2,4-Trichlorobenzene	U		0.193	0.500
1,1,1-Trichloroethane	U		0.0110	0.100
1,1,2-Trichloroethane	U		0.0353	0.100
Trichloroethene	U		0.0160	0.0400
Trichlorofluoromethane	U		0.0200	0.100
1,2,3-Trichloropropane	U		0.204	0.500
1,2,3-Trimethylbenzene	U		0.0460	0.200
1,2,4-Trimethylbenzene	U		0.0464	0.200
1,3,5-Trimethylbenzene	U		0.0432	0.200
Vinyl chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Allyl Chloride	U		0.580	1.00
(S) Toluene-d8	*120*			*75.0-131*
(S) 4-Bromofluorobenzene	*104*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*99.4*			*70.0-130*

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

(LCS) R3624659-1 02/24/21 09:01 • (LCSD) R3624659-2 02/24/21 09:20

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	20.6	44.9	82.4	180	10.0-160		J3 J4	74.2	31
Acrylonitrile	25.0	28.2	35.8	113	143	45.0-153		J3	23.7	22
Benzene	5.00	4.94	4.66	98.8	93.2	70.0-123			5.83	20
Bromobenzene	5.00	5.16	5.09	103	102	73.0-121			1.37	20
Bromodichloromethane	5.00	4.28	4.44	85.6	88.8	73.0-121			3.67	20
Bromoform	5.00	4.89	5.11	97.8	102	64.0-132			4.40	20
Bromomethane	5.00	5.80	5.37	116	107	56.0-147			7.70	20
n-Butylbenzene	5.00	4.79	4.31	95.8	86.2	68.0-135			10.5	20
sec-Butylbenzene	5.00	5.08	4.33	102	86.6	74.0-130			15.9	20
tert-Butylbenzene	5.00	5.23	4.78	105	95.6	75.0-127			8.99	20
Carbon tetrachloride	5.00	4.86	4.43	97.2	88.6	66.0-128			9.26	20
Chlorobenzene	5.00	5.91	5.69	118	114	76.0-128			3.79	20
Chlorodibromomethane	5.00	5.16	5.21	103	104	74.0-127			0.964	20
Chloroethane	5.00	6.37	6.03	127	121	61.0-134			5.48	20
Chloroform	5.00	4.70	4.97	94.0	99.4	72.0-123			5.58	20
Chloromethane	5.00	8.67	7.99	173	160	51.0-138	J4	J4	8.16	20
2-Chlorotoluene	5.00	5.33	4.74	107	94.8	75.0-124			11.7	20
4-Chlorotoluene	5.00	4.89	4.58	97.8	91.6	75.0-124			6.55	20
1,2-Dibromo-3-Chloropropane	5.00	4.48	4.68	89.6	93.6	59.0-130			4.37	20
1,2-Dibromoethane	5.00	5.45	5.55	109	111	74.0-128			1.82	20
Dibromomethane	5.00	4.27	4.33	85.4	86.6	75.0-122			1.40	20
1,2-Dichlorobenzene	5.00	5.07	5.31	101	106	76.0-124			4.62	20
1,3-Dichlorobenzene	5.00	5.13	5.03	103	101	76.0-125			1.97	20
1,4-Dichlorobenzene	5.00	5.15	5.10	103	102	77.0-121			0.976	20
trans-1,4-Dichloro-2-butene	5.00	5.96	5.70	119	114	45.0-143			4.46	20
Dichlorodifluoromethane	5.00	6.28	5.87	126	117	43.0-156			6.75	20
1,1-Dichloroethane	5.00	4.82	4.80	96.4	96.0	70.0-127			0.416	20
1,2-Dichloroethane	5.00	5.07	5.19	101	104	65.0-131			2.34	20
1,1-Dichloroethene	5.00	5.91	5.63	118	113	65.0-131			4.85	20
cis-1,2-Dichloroethene	5.00	5.00	5.28	100	106	73.0-125			5.45	20
trans-1,2-Dichloroethene	5.00	5.54	5.17	111	103	71.0-125			6.91	20
1,2-Dichloropropane	5.00	5.22	5.19	104	104	74.0-125			0.576	20
1,1-Dichloropropene	5.00	5.15	4.81	103	96.2	73.0-125			6.83	20
1,3-Dichloropropane	5.00	5.10	4.94	102	98.8	80.0-125			3.19	20
cis-1,3-Dichloropropene	5.00	4.44	4.41	88.8	88.2	76.0-127			0.678	20
trans-1,3-Dichloropropene	5.00	5.04	4.99	101	99.8	73.0-127			0.997	20
2,2-Dichloropropane	5.00	5.78	4.92	116	98.4	59.0-135			16.1	20
Di-isopropyl ether	5.00	6.15	6.17	123	123	60.0-136			0.325	20
Ethylbenzene	5.00	5.75	5.49	115	110	74.0-126			4.63	20
Ethyl ether	5.00	4.99	5.19	99.8	104	64.0-137			3.93	20

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

(LCS) R3624659-1 02/24/21 09:01 • (LCSD) R3624659-2 02/24/21 09:20

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Hexachloro-1,3-butadiene	5.00	6.52	5.99	130	120	57.0-150			8.47	20
Iodomethane	25.0	24.5	23.2	98.0	92.8	74.0-134			5.45	20
Isopropylbenzene	5.00	5.59	5.21	112	104	72.0-127			7.04	20
p-Isopropyltoluene	5.00	5.08	4.43	102	88.6	72.0-133			13.7	20
2-Butanone (MEK)	25.0	29.4	30.3	118	121	30.0-160			3.02	24
Methylene Chloride	5.00	4.37	4.79	87.4	95.8	68.0-123			9.17	20
4-Methyl-2-pentanone (MIBK)	25.0	30.8	34.2	123	137	56.0-143			10.5	20
Methyl tert-butyl ether	5.00	4.60	4.50	92.0	90.0	66.0-132			2.20	20
Naphthalene	5.00	4.65	5.14	93.0	103	59.0-130			10.0	20
n-Propylbenzene	5.00	4.88	4.45	97.6	89.0	74.0-126			9.22	20
Styrene	5.00	5.19	5.21	104	104	72.0-127			0.385	20
1,1,1,2-Tetrachloroethane	5.00	5.06	5.00	101	100	74.0-129			1.19	20
1,1,2,2-Tetrachloroethane	5.00	4.16	3.81	83.2	76.2	68.0-128			8.78	20
Tetrachloroethene	5.00	6.67	6.37	133	127	70.0-136			4.60	20
Tetrahydrofuran	5.00	5.36	6.61	107	132	37.0-146			20.9	24
Toluene	5.00	5.78	5.53	116	111	75.0-121			4.42	20
1,1,2-Trichlorotrifluoroethane	5.00	5.60	5.34	112	107	61.0-139			4.75	20
1,2,3-Trichlorobenzene	5.00	5.11	5.53	102	111	59.0-139			7.89	20
1,2,4-Trichlorobenzene	5.00	4.99	5.66	99.8	113	62.0-137			12.6	20
1,1,1-Trichloroethane	5.00	5.48	5.02	110	100	69.0-126			8.76	20
1,1,2-Trichloroethane	5.00	6.05	6.07	121	121	78.0-123			0.330	20
Trichloroethene	5.00	5.80	5.89	116	118	76.0-126			1.54	20
Trichlorofluoromethane	5.00	5.21	4.98	104	99.6	61.0-142			4.51	20
1,2,3-Trichloropropane	5.00	4.81	4.93	96.2	98.6	67.0-129			2.46	20
1,2,3-Trimethylbenzene	5.00	6.42	6.07	128	121	74.0-124	J4		5.60	20
1,2,4-Trimethylbenzene	5.00	4.99	4.59	99.8	91.8	70.0-126			8.35	20
1,3,5-Trimethylbenzene	5.00	5.06	4.59	101	91.8	73.0-127			9.74	20
Vinyl chloride	5.00	7.11	6.35	142	127	63.0-134	J4		11.3	20
Xylenes, Total	15.0	17.7	16.8	118	112	72.0-127			5.22	20
Allyl chloride	25.0	24.7	23.8	98.8	95.2	70.0-131			3.71	20
(S) Toluene-d8				*119*	*117*	*75.0-131*				
(S) 4-Bromofluorobenzene				*104*	*108*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*98.5*	*104*	*70.0-130*				

Method Blank (MB)

(MB) R3624930-2 02/24/21 19:30

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
cis-1,2-Dichloroethene	U		0.0276	0.100
Tetrachloroethene	U		0.0280	0.100
Trichloroethene	U		0.0160	0.0400
Vinyl chloride	U		0.0273	0.100
(S) Toluene-d8	*95.8*			*75.0-131*
(S) 4-Bromofluorobenzene	*101*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3624930-1 02/24/21 18:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
cis-1,2-Dichloroethene	5.00	5.96	119	73.0-125	
Tetrachloroethene	5.00	5.37	107	70.0-136	
Trichloroethene	5.00	5.86	117	76.0-126	
Vinyl chloride	5.00	5.96	119	63.0-134	
(S) Toluene-d8			*94.3*	*75.0-131*	
(S) 4-Bromofluorobenzene			*104*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*109*	*70.0-130*	

Method Blank (MB)

(MB) R3624931-2 02/24/21 19:30

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
cis-1,2-Dichloroethene	U		0.0276	0.100
Tetrachloroethene	U		0.0280	0.100
Trichloroethene	U		0.0160	0.0400
Vinyl chloride	U		0.0273	0.100
(S) Toluene-d8	*95.8*			*75.0-131*
(S) 4-Bromofluorobenzene	*101*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3624931-1 02/24/21 18:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
cis-1,2-Dichloroethene	5.00	5.96	119	73.0-125	
Tetrachloroethene	5.00	5.37	107	70.0-136	
Trichloroethene	5.00	5.86	117	76.0-126	
Vinyl chloride	5.00	5.96	119	63.0-134	
(S) Toluene-d8			*94.3*	*75.0-131*	
(S) 4-Bromofluorobenzene			*104*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*109*	*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

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

Qualifier	Description
C5	The reported concentration is an estimate. The continuing calibration standard associated with this data responded high. Data is likely to show a high bias concerning the result.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

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Colorado	TN00003	New York	11742
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Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
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Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
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A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
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Address: **1215 4th Ave STE 1350, Seattle, WA 98161**	
Report To: **Bill Haldeman/Brian O'Neal**	Email To: **bhaldeman@pesenv.com; boneal@pesenv.com**
Copy To: **Kim Vik, Shannon McKernan, Karsten Springstead**	Site Collection Info/Address: **700 Dexter Ave N**
Customer Project Name/Number: American Linen **1413.001.~~02.501E~~ 05.601**	State: **WA** / County/City: **King/Seattle** Time Zone Collected: [x]PT [ ]MT [ ]CT [ ]ET
Phone: 206-529-3980 Email: **agilvezan@pesenv.com**	Site/Facility ID #: **1413.001.~~02.501E~~ 05.601** Compliance Monitoring? [x] Yes [ ] No
Collected By (print): **HRC**	Purchase Order # : **1413.001.~~02.501E~~** Quote #: **PESENVSWA-ALP** 05.601 DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: **Standard TAT** Immediately Packed on Ice: [x] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [ ] No Analysis: _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Container Preservative Type **

Lab Project Manager:

Analyses

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	*NO3, SO4, Cl* 125mlHDPE-NoPres	Alkalinity 125mlHDPE-NoPres	EEM (RSK175LL) 40mlAmb-HCl	TOC 250mlAmb-HCl or 250mlHDPE-HCl	Total Fe, Mn 6020 250mlHDPE-HNO3	VOCs (8260ULLC)	GRO (NWTPH-Gx)				Lab Sample # / Comments:
MW-188-021621	GW	Grab	2/16/21	1012				3						X					L1318924-01
MW-186-021621	GW	Grab	"	1325				3						X					02
MW-187-021621	GW	Grab	"	1445				3						X					03
MW-185-021621	GW	Grab	"	1513				3						X					04
MW-950-021721	GW	Grab	2/17/21	900				3						X					05
MW-171-021721	GW	Grab	"	1030				3						X					06
MW-169-021721	GW	Grab	"	1250				3						X					07
MW-170-021721	GW	Grab	"	1325				3						X					08
MW-172-021721	GW	Grab	"	1530				3						X					09
TB-021721	GW	Grab	"	1600				1						X					10

Lab Profile/Line:

Lab Sample Receipt Checklist:	
Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips: _____	
Sample pH Acceptable	Y N NA
pH Strips: _____	
Sulfide Present	Y N NA
Lead Acetate Strips: _____	

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 9517 5748 8827

Samples received via: (FEDEX) UPS Client Courier Pace Courier

LAB Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: IR17
Cooler 1 Temp Upon Receipt: 1.7 oC
Cooler 1 Therm Corr. Factor: +0.2 oC
Cooler 1 Corrected Temp: 1.9 oC
Comments:

Relinquished by/Company: (Signature)	Date/Time: 2/17/21 1630	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature) Patricia Michael	Date/Time: 2232111100

J162

Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: 1

ANALYTICAL REPORT

May 20, 2021

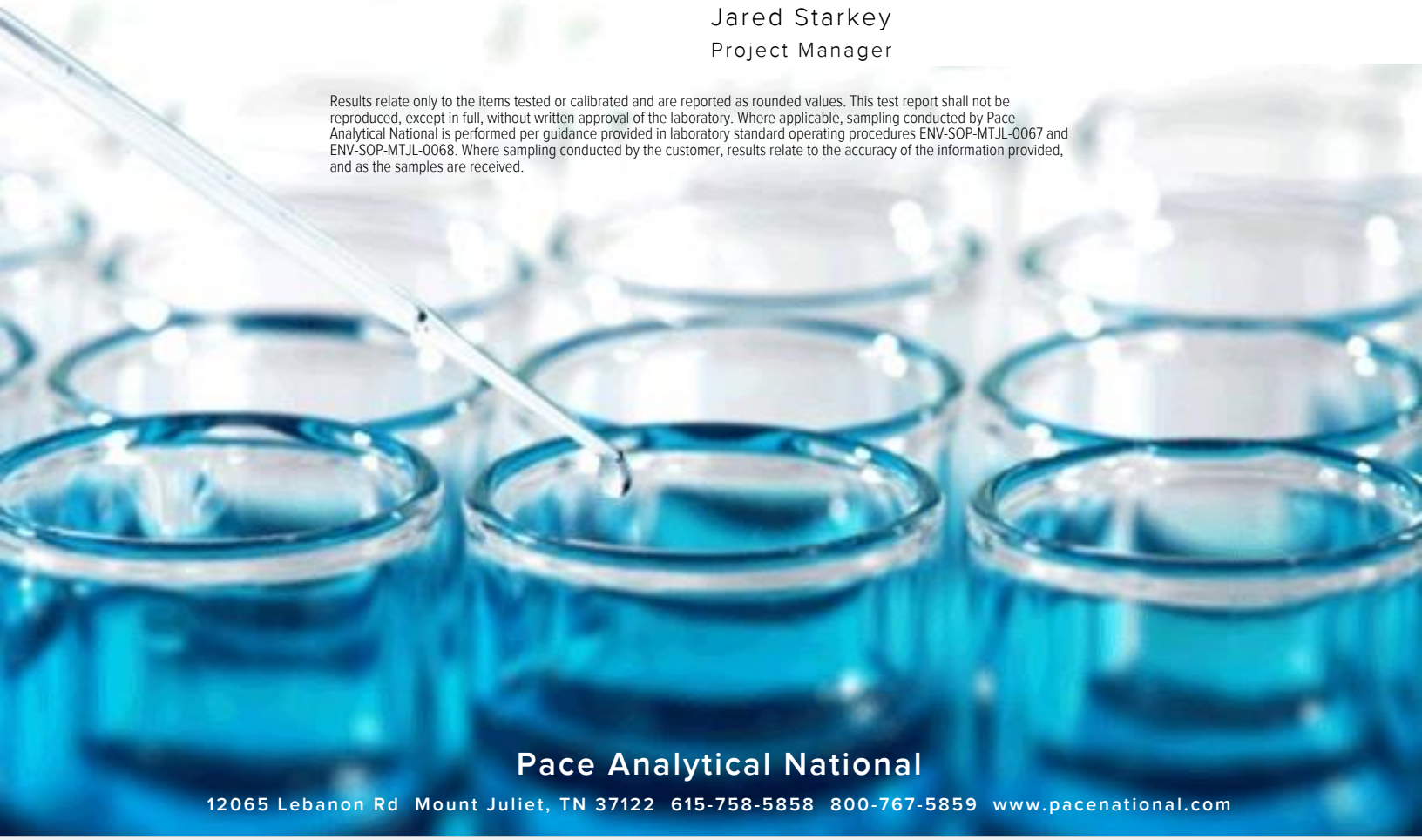
PES Environmental, Inc.- WA

Sample Delivery Group:	L1353415
Samples Received:	05/14/2021
Project Number:	1413.001.02.501F
Description:	American Linen
Report To:	Brian O'Neal/Bill Haldeman
	2101 Fourth Ave., Suite 1310
	Seattle, WA 98121

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace 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.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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SV-26-050621 L1353415-01 Air

Collected by: Sean Kounovsky | Collected date/time: 05/06/21 10:21 | Received date/time: 05/14/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1671554	1	05/16/21 16:20	05/16/21 16:20	CAW	Mt. Juliet, TN

SV-06-050621 L1353415-02 Air

Collected by: Sean Kounovsky | Collected date/time: 05/06/21 09:43 | Received date/time: 05/14/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1671554	1	05/16/21 16:48	05/16/21 16:48	CAW	Mt. Juliet, TN

SV-18-050621 L1353415-03 Air

Collected by: Sean Kounovsky | Collected date/time: 05/06/21 11:45 | Received date/time: 05/14/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1671554	1	05/16/21 17:18	05/16/21 17:18	CAW	Mt. Juliet, TN

SV-16-051021 L1353415-04 Air

Collected by: Sean Kounovsky | Collected date/time: 05/10/21 10:33 | Received date/time: 05/14/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1671554	1	05/16/21 17:46	05/16/21 17:46	CAW	Mt. Juliet, TN

SV-907-051121 L1353415-05 Air

Collected by: Sean Kounovsky | Collected date/time: 05/11/21 08:00 | Received date/time: 05/14/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1671554	1	05/16/21 18:15	05/16/21 18:15	CAW	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG1672031	10	05/17/21 14:08	05/17/21 14:08	CEP	Mt. Juliet, TN
Organic Compounds (GC) by Method ASTM 1946	WG1673588	1	05/19/21 15:04	05/19/21 15:04	CEP	Mt. Juliet, TN

SV01-051221 L1353415-06 Air

Collected by: Sean Kounovsky | Collected date/time: 05/12/21 10:03 | Received date/time: 05/14/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1671554	1	05/16/21 18:44	05/16/21 18:44	CAW	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG1672031	10	05/17/21 14:49	05/17/21 14:49	CEP	Mt. Juliet, TN
Organic Compounds (GC) by Method ASTM 1946	WG1673588	1	05/19/21 15:08	05/19/21 15:08	CEP	Mt. Juliet, TN

SV-12-050221 L1353415-07 Air

Collected by: Sean Kounovsky | Collected date/time: 05/02/21 09:21 | Received date/time: 05/14/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1671554	1	05/16/21 19:12	05/16/21 19:12	CAW	Mt. Juliet, TN

SV-23-050421 L1353415-08 Air

Collected by: Sean Kounovsky | Collected date/time: 05/04/21 08:01 | Received date/time: 05/14/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1671554	1	05/16/21 19:41	05/16/21 19:41	CAW	Mt. Juliet, TN

SV-906-050421 L1353415-09 Air

Collected by: Sean Kounovsky | Collected date/time: 05/04/21 07:30 | Received date/time: 05/14/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1671554	1	05/16/21 20:09	05/16/21 20:09	CAW	Mt. Juliet, TN

SV-24-050421 L1353415-10 Air

Collected by: Sean Kounovsky | Collected date/time: 05/04/21 08:41 | Received date/time: 05/14/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1671554	1	05/16/21 20:38	05/16/21 20:38	CAW	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG1672031	100	05/17/21 15:29	05/17/21 15:29	CEP	Mt. Juliet, TN

SV-21-050421 L1353415-11 Air

Collected by: Sean Kounovsky | Collected date/time: 05/04/21 09:28 | Received date/time: 05/14/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1671554	1	05/16/21 21:07	05/16/21 21:07	CAW	Mt. Juliet, TN

SV-07-050621 L1353415-12 Air

Collected by: Sean Kounovsky | Collected date/time: 05/06/21 09:03 | Received date/time: 05/14/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1671560	1	05/16/21 13:19	05/16/21 13:19	MBF	Mt. Juliet, TN

SV-22-050421 L1353415-13 Air

Collected by: Sean Kounovsky | Collected date/time: 05/04/21 10:18 | Received date/time: 05/14/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1671560	1	05/16/21 14:01	05/16/21 14:01	MBF	Mt. Juliet, TN

SV-15-050421 L1353415-14 Air

Collected by: Sean Kounovsky | Collected date/time: 05/04/21 11:25 | Received date/time: 05/14/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1671560	1	05/16/21 14:48	05/16/21 14:48	MBF	Mt. Juliet, TN

SV-14-050421 L1353415-15 Air

Collected by: Sean Kounovsky | Collected date/time: 05/04/21 11:57 | Received date/time: 05/14/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1671560	1	05/16/21 15:30	05/16/21 15:30	MBF	Mt. Juliet, TN

SV-19-050421 L1353415-16 Air

Collected by: Sean Kounovsky | Collected date/time: 05/04/21 13:22 | Received date/time: 05/14/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1671560	1	05/16/21 16:12	05/16/21 16:12	MBF	Mt. Juliet, TN

SV-20-050521 L1353415-17 Air

Collected by: Sean Kounovsky | Collected date/time: 05/05/21 07:42 | Received date/time: 05/14/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1671560	1	05/16/21 16:53	05/16/21 16:53	MBF	Mt. Juliet, TN

SV-17-050621 L1353415-18 Air

Collected by: Sean Kounovsky | Collected date/time: 05/06/21 08:09 | Received date/time: 05/14/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1671560	1	05/16/21 17:37	05/16/21 17:37	MBF	Mt. Juliet, TN

SV-09-050521 L1353415-19 Air

Collected by: Sean Kounovsky | Collected date/time: 05/05/21 08:34 | Received date/time: 05/14/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1671560	1	05/16/21 18:18	05/16/21 18:18	MBF	Mt. Juliet, TN

SV-08-050521 L1353415-20 Air

Collected by: Sean Kounovsky | Collected date/time: 05/05/21 09:08 | Received date/time: 05/14/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1671560	1	05/16/21 19:00	05/16/21 19:00	MBF	Mt. Juliet, TN

SV-10-050521 L1353415-21 Air

Collected by: Sean Kounovsky | Collected date/time: 05/05/21 10:10 | Received date/time: 05/14/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1671560	1	05/16/21 19:42	05/16/21 19:42	MBF	Mt. Juliet, TN

SV-11-050521 L1353415-22 Air

Collected by: Sean Kounovsky | Collected date/time: 05/05/21 10:37 | Received date/time: 05/14/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1671560	1	05/16/21 20:24	05/16/21 20:24	MBF	Mt. Juliet, TN

SV-27-050521 L1353415-23 Air

Collected by: Sean Kounovsky | Collected date/time: 05/05/21 11:43 | Received date/time: 05/14/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1671560	1	05/16/21 21:05	05/16/21 21:05	MBF	Mt. Juliet, TN

SV-28-050521 L1353415-24 Air

Collected by: Sean Kounovsky | Collected date/time: 05/05/21 12:07 | Received date/time: 05/14/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1671560	1	05/16/21 21:47	05/16/21 21:47	MBF	Mt. Juliet, TN

SAMPLE SUMMARY

SV-25-050521 L1353415-25 Air

Collected by: Sean Kounovsky
Collected date/time: 05/05/21 12:56
Received date/time: 05/14/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1671560	1	05/16/21 22:29	05/16/21 22:29	MBF	Mt. Juliet, TN

CASE NARRATIVE

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

Jared Starkey
Project Manager

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	1.25	2.97	5.38	12.8		1	WG1671554
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1671554
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1671554
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1671554
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1671554
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1671554
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1671554
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1671554
Carbon disulfide	75-15-0	76.10	0.200	0.622	35.6	111		1	WG1671554
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1671554
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1671554
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1671554
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1671554
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1671554
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1671554
Cyclohexane	110-82-7	84.20	0.200	0.689	0.449	1.55		1	WG1671554
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1671554
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1671554
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1671554
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1671554
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1671554
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1671554
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1671554
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1671554
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1671554
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1671554
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1671554
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1671554
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1671554
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1671554
Ethanol	64-17-5	46.10	1.25	2.36	44.7	84.3		1	WG1671554
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1671554
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1671554
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1671554
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.595	2.94		1	WG1671554
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1671554
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1671554
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1671554
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1671554
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1671554
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1671554
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1671554
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1671554
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1671554
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1671554
Methyl methacrylate	80-62-6	100.12	0.200	0.819	5.84	23.9		1	WG1671554
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1671554
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1671554
2-Propanol	67-63-0	60.10	1.25	3.07	3.17	7.79	B	1	WG1671554
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1671554
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1671554
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1671554
Tetrachloroethylene	127-18-4	166	0.200	1.36	7.60	51.6		1	WG1671554
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1671554
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1671554
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1671554

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	0.200	1.09	ND	ND		1	WG1671554
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1671554
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1671554
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.207	1.02		1	WG1671554
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1671554
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1671554
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1671554
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1671554
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1671554
m&p-Xylene	1330-20-7	106	0.400	1.73	0.464	2.01		1	WG1671554
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1671554
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*92.3*				WG1671554

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	1.25	2.97	2.95	7.01		1	WG1671554
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1671554
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1671554
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1671554
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1671554
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1671554
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1671554
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1671554
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1671554
Carbon tetrachloride	56-23-5	154	0.200	1.26	0.222	1.40		1	WG1671554
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1671554
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1671554
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1671554
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1671554
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1671554
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1671554
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1671554
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1671554
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1671554
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1671554
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1671554
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1671554
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1671554
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1671554
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1671554
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1671554
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1671554
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1671554
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1671554
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1671554
Ethanol	64-17-5	46.10	1.25	2.36	11.2	21.1		1	WG1671554
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1671554
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1671554
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.382	2.15		1	WG1671554
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.558	2.76		1	WG1671554
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1671554
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1671554
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1671554
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1671554
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1671554
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1671554
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1671554
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1671554
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1671554
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1671554
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1671554
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1671554
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1671554
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1671554
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1671554
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1671554
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1671554
Tetrachloroethylene	127-18-4	166	0.200	1.36	9.10	61.8		1	WG1671554
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1671554
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1671554
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1671554

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	0.200	1.09	ND	ND		1	WG1671554
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1671554
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1671554
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1671554
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1671554
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1671554
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1671554
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1671554
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1671554
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1671554
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1671554
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*90.5*				WG1671554

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	1.25	2.97	14.1	33.5		1	WG1671554
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1671554
Benzene	71-43-2	78.10	0.200	0.639	1.54	4.92		1	WG1671554
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1671554
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1671554
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1671554
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1671554
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1671554
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1671554
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1671554
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1671554
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1671554
Chloroform	67-66-3	119	0.200	0.973	1.46	7.11		1	WG1671554
Chloromethane	74-87-3	50.50	0.200	0.413	0.464	0.958		1	WG1671554
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1671554
Cyclohexane	110-82-7	84.20	0.200	0.689	2.83	9.75		1	WG1671554
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1671554
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1671554
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1671554
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1671554
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1671554
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1671554
1,1-Dichloroethane	75-34-3	98	0.200	0.802	1.22	4.89		1	WG1671554
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1671554
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1671554
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1671554
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1671554
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1671554
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1671554
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1671554
Ethanol	64-17-5	46.10	1.25	2.36	133	251	E	1	WG1671554
Ethylbenzene	100-41-4	106	0.200	0.867	0.859	3.72		1	WG1671554
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1671554
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1671554
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.248	1.23		1	WG1671554
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1671554
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1671554
Heptane	142-82-5	100	0.200	0.818	1.10	4.50		1	WG1671554
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1671554
n-Hexane	110-54-3	86.20	0.630	2.22	2.50	8.81		1	WG1671554
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1671554
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.329	1.14		1	WG1671554
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1671554
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	1.61	4.75		1	WG1671554
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1671554
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1671554
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1671554
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1671554
2-Propanol	67-63-0	60.10	1.25	3.07	7.62	18.7		1	WG1671554
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1671554
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1671554
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1671554
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG1671554
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1671554
Toluene	108-88-3	92.10	0.500	1.88	8.87	33.4		1	WG1671554
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1671554

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	0.200	1.09	19.3	105		1	WG1671554
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1671554
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1671554
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.747	3.67		1	WG1671554
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.206	1.01		1	WG1671554
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	1.13	5.28		1	WG1671554
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1671554
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1671554
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1671554
m&p-Xylene	1330-20-7	106	0.400	1.73	3.29	14.3		1	WG1671554
o-Xylene	95-47-6	106	0.200	0.867	1.06	4.60		1	WG1671554
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*95.0*				WG1671554

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	1.25	2.97	3.89	9.24		1	WG1671554
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1671554
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1671554
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1671554
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1671554
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1671554
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1671554
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1671554
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1671554
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1671554
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1671554
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1671554
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1671554
Chloromethane	74-87-3	50.50	0.200	0.413	0.351	0.725		1	WG1671554
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1671554
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1671554
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1671554
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1671554
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1671554
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1671554
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1671554
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1671554
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1671554
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1671554
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	0.294	1.17		1	WG1671554
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	0.326	1.29		1	WG1671554
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1671554
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1671554
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1671554
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1671554
Ethanol	64-17-5	46.10	1.25	2.36	19.5	36.8		1	WG1671554
Ethylbenzene	100-41-4	106	0.200	0.867	0.527	2.28		1	WG1671554
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1671554
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.882	4.96		1	WG1671554
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.448	2.22		1	WG1671554
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1671554
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1671554
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1671554
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1671554
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1671554
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1671554
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1671554
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1671554
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	4.97	14.7		1	WG1671554
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1671554
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1671554
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1671554
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1671554
2-Propanol	67-63-0	60.10	1.25	3.07	1.38	3.39	B	1	WG1671554
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1671554
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1671554
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1671554
Tetrachloroethylene	127-18-4	166	0.200	1.36	22.6	153		1	WG1671554
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	5.53	16.3		1	WG1671554
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1671554
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1671554

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	0.200	1.09	ND	ND		1	WG1671554
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1671554
Trichloroethylene	79-01-6	131	0.200	1.07	2.38	12.8		1	WG1671554
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.757	3.72		1	WG1671554
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1671554
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1671554
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1671554
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1671554
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1671554
m&p-Xylene	1330-20-7	106	0.400	1.73	1.81	7.85		1	WG1671554
o-Xylene	95-47-6	106	0.200	0.867	0.579	2.51		1	WG1671554
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*96.8*				WG1671554

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	1.25	2.97	ND	ND		1	WG1671554
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1671554
Benzene	71-43-2	78.10	0.200	0.639	4.53	14.5		1	WG1671554
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1671554
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1671554
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1671554
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1671554
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1671554
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1671554
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1671554
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1671554
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1671554
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1671554
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1671554
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1671554
Cyclohexane	110-82-7	84.20	0.200	0.689	22.9	78.9		1	WG1671554
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1671554
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1671554
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1671554
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1671554
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1671554
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1671554
1,1-Dichloroethane	75-34-3	98	0.200	0.802	3.51	14.1		1	WG1671554
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1671554
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	2.52	9.99		1	WG1671554
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	0.206	0.816		1	WG1671554
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1671554
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1671554
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1671554
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1671554
Ethanol	64-17-5	46.10	1.25	2.36	43.5	82.0		1	WG1671554
Ethylbenzene	100-41-4	106	0.200	0.867	0.813	3.52		1	WG1671554
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1671554
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1671554
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	ND	ND		1	WG1671554
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1671554
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1671554
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1671554
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1671554
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1671554
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1671554
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1671554
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1671554
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	1.93	5.69		1	WG1671554
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1671554
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1671554
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1671554
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1671554
2-Propanol	67-63-0	60.10	1.25	3.07	3.13	7.69	B	1	WG1671554
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1671554
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1671554
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1671554
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.437	2.97		1	WG1671554
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	5.15	15.2		1	WG1671554
Toluene	108-88-3	92.10	0.500	1.88	4.87	18.3		1	WG1671554
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1671554

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	0.200	1.09	1.22	6.64		1	WG1671554
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1671554
Trichloroethylene	79-01-6	131	0.200	1.07	0.222	1.19		1	WG1671554
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	1.10	5.40		1	WG1671554
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.340	1.67		1	WG1671554
2,2,4-Trimethylpentane	540-84-1	114.22	2.00	9.34	87.0	406		10	WG1672031
Vinyl chloride	75-01-4	62.50	2.00	5.11	185	473		10	WG1672031
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1671554
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1671554
m&p-Xylene	1330-20-7	106	0.400	1.73	2.55	11.1		1	WG1671554
o-Xylene	95-47-6	106	0.200	0.867	1.05	4.55		1	WG1671554
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*128*				WG1671554
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*91.9*				WG1672031

Organic Compounds (GC) by Method ASTM 1946

Analyte	CAS #	Mol. Wt.	RDL %	Result %	Qualifier	Dilution	Batch
Helium	7440-59-7		0.100	0.300		1	WG1673588

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	1.25	2.97	ND	ND		1	WG1671554
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1671554
Benzene	71-43-2	78.10	0.200	0.639	3.82	12.2		1	WG1671554
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1671554
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1671554
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1671554
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1671554
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1671554
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1671554
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1671554
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1671554
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1671554
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1671554
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1671554
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1671554
Cyclohexane	110-82-7	84.20	0.200	0.689	19.5	67.2		1	WG1671554
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1671554
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1671554
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1671554
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1671554
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1671554
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1671554
1,1-Dichloroethane	75-34-3	98	0.200	0.802	3.02	12.1		1	WG1671554
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	0.233	0.923		1	WG1671554
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	2.17	8.60		1	WG1671554
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1671554
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1671554
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1671554
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1671554
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1671554
Ethanol	64-17-5	46.10	1.25	2.36	31.1	58.6		1	WG1671554
Ethylbenzene	100-41-4	106	0.200	0.867	0.668	2.90		1	WG1671554
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1671554
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1671554
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.206	1.02		1	WG1671554
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1671554
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1671554
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1671554
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1671554
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1671554
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1671554
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1671554
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1671554
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1671554
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1671554
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1671554
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1671554
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1671554
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1671554
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1671554
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1671554
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1671554
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.407	2.76		1	WG1671554
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1671554
Toluene	108-88-3	92.10	0.500	1.88	3.35	12.6		1	WG1671554
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1671554

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	0.200	1.09	1.05	5.71		1	WG1671554
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1671554
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1671554
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.863	4.24		1	WG1671554
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.251	1.23		1	WG1671554
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	88.2	412		1	WG1671554
Vinyl chloride	75-01-4	62.50	2.00	5.11	160	409		10	WG1672031
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1671554
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1671554
m&p-Xylene	1330-20-7	106	0.400	1.73	1.97	8.54		1	WG1671554
o-Xylene	95-47-6	106	0.200	0.867	0.831	3.60		1	WG1671554
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*124*				WG1671554
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*89.4*				WG1672031

Organic Compounds (GC) by Method ASTM 1946

Analyte	CAS #	Mol. Wt.	RDL %	Result %	Qualifier	Dilution	Batch
Helium	7440-59-7		0.100	0.258		1	WG1673588

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

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	1.25	2.97	4.23	10.1		1	WG1671554
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1671554
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1671554
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1671554
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1671554
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1671554
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1671554
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1671554
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1671554
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1671554
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1671554
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1671554
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1671554
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1671554
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1671554
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1671554
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1671554
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1671554
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1671554
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1671554
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1671554
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1671554
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1671554
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1671554
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1671554
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1671554
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1671554
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1671554
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1671554
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1671554
Ethanol	64-17-5	46.10	1.25	2.36	188	354	E	1	WG1671554
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1671554
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1671554
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.253	1.42		1	WG1671554
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.421	2.08		1	WG1671554
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1671554
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1671554
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1671554
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1671554
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1671554
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1671554
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1671554
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1671554
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	1.27	3.75		1	WG1671554
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1671554
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1671554
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1671554
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1671554
2-Propanol	67-63-0	60.10	1.25	3.07	7.84	19.3		1	WG1671554
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1671554
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1671554
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1671554
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.355	2.41		1	WG1671554
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	1.19	3.51		1	WG1671554
Toluene	108-88-3	92.10	0.500	1.88	1.04	3.92		1	WG1671554
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1671554

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	0.200	1.09	ND	ND		1	WG1671554
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1671554
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1671554
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.353	1.73		1	WG1671554
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1671554
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1671554
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1671554
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1671554
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1671554
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1671554
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1671554
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*94.6*				WG1671554

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	1.25	2.97	7.21	17.1		1	WG1671554
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1671554
Benzene	71-43-2	78.10	0.200	0.639	1.72	5.49		1	WG1671554
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1671554
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1671554
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1671554
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1671554
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1671554
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1671554
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1671554
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1671554
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1671554
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1671554
Chloromethane	74-87-3	50.50	0.200	0.413	0.316	0.653		1	WG1671554
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1671554
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1671554
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1671554
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1671554
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1671554
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1671554
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1671554
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1671554
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1671554
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1671554
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1671554
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1671554
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1671554
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1671554
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1671554
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1671554
Ethanol	64-17-5	46.10	1.25	2.36	12.3	23.2		1	WG1671554
Ethylbenzene	100-41-4	106	0.200	0.867	0.457	1.98		1	WG1671554
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1671554
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1671554
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.280	1.38		1	WG1671554
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1671554
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1671554
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1671554
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1671554
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1671554
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1671554
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.223	0.774		1	WG1671554
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1671554
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	3.02	8.91		1	WG1671554
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1671554
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1671554
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1671554
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1671554
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1671554
Propene	115-07-1	42.10	1.25	2.15	3.60	6.20		1	WG1671554
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1671554
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1671554
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.586	3.98		1	WG1671554
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1671554
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1671554
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1671554

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	0.200	1.09	ND	ND		1	WG1671554
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1671554
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1671554
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1671554
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1671554
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1671554
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1671554
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1671554
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1671554
m&p-Xylene	1330-20-7	106	0.400	1.73	1.41	6.11		1	WG1671554
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1671554
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*97.0*				WG1671554

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	1.25	2.97	1.48	3.52		1	WG1671554
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1671554
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1671554
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1671554
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1671554
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1671554
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1671554
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1671554
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1671554
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1671554
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1671554
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1671554
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1671554
Chloromethane	74-87-3	50.50	0.200	0.413	0.211	0.436		1	WG1671554
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1671554
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1671554
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1671554
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1671554
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1671554
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1671554
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1671554
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1671554
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1671554
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1671554
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1671554
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1671554
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1671554
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1671554
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1671554
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1671554
Ethanol	64-17-5	46.10	1.25	2.36	6.69	12.6		1	WG1671554
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1671554
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1671554
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.288	1.62		1	WG1671554
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.401	1.98		1	WG1671554
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1671554
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1671554
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1671554
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1671554
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1671554
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1671554
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1671554
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1671554
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1671554
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1671554
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1671554
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1671554
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1671554
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1671554
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1671554
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1671554
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1671554
Tetrachloroethylene	127-18-4	166	0.200	1.36	2.03	13.8		1	WG1671554
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1671554
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1671554
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1671554

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	0.200	1.09	0.490	2.67		1	WG1671554
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1671554
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1671554
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1671554
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1671554
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1671554
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1671554
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1671554
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1671554
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1671554
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1671554
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*96.0*				WG1671554

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	1.25	2.97	ND	ND		1	WG1671554
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1671554
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1671554
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1671554
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1671554
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1671554
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1671554
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1671554
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1671554
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1671554
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1671554
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1671554
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1671554
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1671554
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1671554
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1671554
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1671554
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1671554
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1671554
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1671554
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1671554
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1671554
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1671554
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1671554
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1671554
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1671554
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1671554
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1671554
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1671554
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1671554
Ethanol	64-17-5	46.10	1.25	2.36	3.65	6.88		1	WG1671554
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1671554
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1671554
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1671554
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	ND	ND		1	WG1671554
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1671554
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1671554
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1671554
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1671554
n-Hexane	110-54-3	86.20	0.630	2.22	2.07	7.30		1	WG1671554
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1671554
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1671554
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1671554
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	83.9	247		1	WG1671554
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1671554
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1671554
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1671554
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1671554
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1671554
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1671554
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1671554
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1671554
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG1671554
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1671554
Toluene	108-88-3	92.10	0.500	1.88	0.587	2.21		1	WG1671554
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1671554

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	0.200	1.09	ND	ND		1	WG1671554
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1671554
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1671554
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1671554
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1671554
2,2,4-Trimethylpentane	540-84-1	114.22	20.0	93.4	1110	5190		100	WG1672031
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1671554
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1671554
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1671554
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1671554
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1671554
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*177*		J1		WG1671554
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*94.1*				WG1672031

Sample Narrative:

L1353415-10 WG1671554: Surrogate failure due to matrix interference.

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	1.25	2.97	3.24	7.70		1	WG1671554
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1671554
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1671554
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1671554
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1671554
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1671554
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1671554
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1671554
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1671554
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1671554
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1671554
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1671554
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1671554
Chloromethane	74-87-3	50.50	0.200	0.413	0.238	0.492		1	WG1671554
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1671554
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1671554
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1671554
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1671554
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1671554
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1671554
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1671554
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1671554
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1671554
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1671554
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1671554
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1671554
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1671554
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1671554
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1671554
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1671554
Ethanol	64-17-5	46.10	1.25	2.36	29.6	55.8		1	WG1671554
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1671554
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1671554
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.296	1.66		1	WG1671554
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.391	1.93		1	WG1671554
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1671554
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1671554
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1671554
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1671554
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1671554
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1671554
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1671554
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1671554
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	3.07	9.05		1	WG1671554
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1671554
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1671554
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1671554
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1671554
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1671554
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1671554
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1671554
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1671554
Tetrachloroethylene	127-18-4	166	0.200	1.36	2.00	13.6		1	WG1671554
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	1.07	3.16		1	WG1671554
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1671554
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1671554

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	0.200	1.09	0.462	2.51		1	WG1671554
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1671554
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1671554
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1671554
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1671554
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1671554
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1671554
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1671554
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1671554
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1671554
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1671554
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*94.2*				WG1671554

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	1.25	2.97	4.28	10.2		1	WG1671560
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1671560
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1671560
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1671560
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1671560
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1671560
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1671560
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1671560
Carbon disulfide	75-15-0	76.10	0.200	0.622	3.85	12.0		1	WG1671560
Carbon tetrachloride	56-23-5	154	0.200	1.26	0.761	4.79		1	WG1671560
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1671560
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1671560
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1671560
Chloromethane	74-87-3	50.50	0.200	0.413	0.260	0.537		1	WG1671560
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1671560
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1671560
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1671560
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1671560
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1671560
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1671560
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1671560
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1671560
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1671560
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1671560
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1671560
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1671560
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1671560
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1671560
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1671560
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1671560
Ethanol	64-17-5	46.10	1.25	2.36	25.8	48.6		1	WG1671560
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1671560
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1671560
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.375	2.11		1	WG1671560
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.495	2.45		1	WG1671560
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1671560
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1671560
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1671560
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1671560
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1671560
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1671560
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1671560
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1671560
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1671560
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1671560
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1671560
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1671560
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1671560
2-Propanol	67-63-0	60.10	1.25	3.07	1.67	4.10		1	WG1671560
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1671560
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1671560
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1671560
Tetrachloroethylene	127-18-4	166	0.200	1.36	3.89	26.4		1	WG1671560
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	0.523	1.54		1	WG1671560
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1671560
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1671560

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	0.200	1.09	ND	ND		1	WG1671560
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1671560
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1671560
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.209	1.03		1	WG1671560
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1671560
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1671560
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1671560
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1671560
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1671560
m&p-Xylene	1330-20-7	106	0.400	1.73	0.423	1.83		1	WG1671560
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1671560
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*95.4*				WG1671560

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	1.25	2.97	7.48	17.8		1	WG1671560
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1671560
Benzene	71-43-2	78.10	0.200	0.639	0.200	0.639		1	WG1671560
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1671560
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1671560
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1671560
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1671560
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1671560
Carbon disulfide	75-15-0	76.10	0.200	0.622	9.63	30.0		1	WG1671560
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1671560
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1671560
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1671560
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1671560
Chloromethane	74-87-3	50.50	0.200	0.413	0.242	0.500		1	WG1671560
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1671560
Cyclohexane	110-82-7	84.20	0.200	0.689	0.299	1.03		1	WG1671560
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1671560
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1671560
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1671560
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1671560
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1671560
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1671560
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1671560
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1671560
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1671560
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1671560
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1671560
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1671560
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1671560
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1671560
Ethanol	64-17-5	46.10	1.25	2.36	125	236	E	1	WG1671560
Ethylbenzene	100-41-4	106	0.200	0.867	0.204	0.884		1	WG1671560
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1671560
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.267	1.50		1	WG1671560
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.381	1.88		1	WG1671560
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1671560
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1671560
Heptane	142-82-5	100	0.200	0.818	0.235	0.961		1	WG1671560
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1671560
n-Hexane	110-54-3	86.20	0.630	2.22	0.995	3.51		1	WG1671560
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1671560
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1671560
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1671560
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	2.06	6.07		1	WG1671560
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1671560
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1671560
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1671560
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1671560
2-Propanol	67-63-0	60.10	1.25	3.07	7.27	17.9		1	WG1671560
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1671560
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1671560
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1671560
Tetrachloroethylene	127-18-4	166	0.200	1.36	1.07	7.26		1	WG1671560
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	4.55	13.4		1	WG1671560
Toluene	108-88-3	92.10	0.500	1.88	2.78	10.5		1	WG1671560
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1671560

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	0.200	1.09	0.526	2.86		1	WG1671560
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1671560
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1671560
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.222	1.09		1	WG1671560
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1671560
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	0.274	1.28		1	WG1671560
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1671560
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1671560
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1671560
m&p-Xylene	1330-20-7	106	0.400	1.73	0.669	2.90		1	WG1671560
o-Xylene	95-47-6	106	0.200	0.867	0.209	0.906		1	WG1671560
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*96.0*				WG1671560

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	1.25	2.97	13.1	31.1		1	WG1671560
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1671560
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1671560
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1671560
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1671560
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1671560
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1671560
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1671560
Carbon disulfide	75-15-0	76.10	0.200	0.622	9.64	30.0		1	WG1671560
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1671560
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1671560
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1671560
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1671560
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1671560
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1671560
Cyclohexane	110-82-7	84.20	0.200	0.689	0.375	1.29		1	WG1671560
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1671560
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1671560
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1671560
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1671560
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1671560
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1671560
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1671560
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1671560
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1671560
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1671560
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1671560
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1671560
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1671560
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1671560
Ethanol	64-17-5	46.10	1.25	2.36	7.43	14.0		1	WG1671560
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1671560
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1671560
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.473	2.66		1	WG1671560
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.297	1.47		1	WG1671560
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1671560
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1671560
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1671560
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1671560
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1671560
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1671560
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1671560
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1671560
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1671560
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1671560
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1671560
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1671560
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1671560
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1671560
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1671560
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1671560
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1671560
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG1671560
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	0.329	0.970		1	WG1671560
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1671560
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1671560

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	0.200	1.09	ND	ND		1	WG1671560
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1671560
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1671560
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.206	1.01		1	WG1671560
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1671560
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1671560
Vinyl chloride	75-01-4	62.50	0.200	0.511	12.4	31.7		1	WG1671560
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1671560
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1671560
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1671560
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1671560
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*96.1*				WG1671560

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	1.25	2.97	16.1	38.3		1	WG1671560
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1671560
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1671560
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1671560
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1671560
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1671560
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1671560
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1671560
Carbon disulfide	75-15-0	76.10	0.200	0.622	7.63	23.7		1	WG1671560
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1671560
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1671560
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1671560
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1671560
Chloromethane	74-87-3	50.50	0.200	0.413	0.245	0.506		1	WG1671560
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1671560
Cyclohexane	110-82-7	84.20	0.200	0.689	0.590	2.03		1	WG1671560
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1671560
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1671560
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1671560
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1671560
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1671560
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1671560
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1671560
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1671560
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1671560
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1671560
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1671560
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1671560
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1671560
1,4-Dioxane	123-91-1	88.10	0.200	0.721	0.518	1.87		1	WG1671560
Ethanol	64-17-5	46.10	1.25	2.36	9.67	18.2		1	WG1671560
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1671560
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1671560
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.810	4.55		1	WG1671560
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.377	1.86		1	WG1671560
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1671560
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1671560
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1671560
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1671560
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1671560
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1671560
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1671560
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1671560
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	2.50	7.37		1	WG1671560
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1671560
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1671560
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1671560
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1671560
2-Propanol	67-63-0	60.10	1.25	3.07	1.80	4.42		1	WG1671560
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1671560
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1671560
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1671560
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.209	1.42		1	WG1671560
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	0.666	1.96		1	WG1671560
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1671560
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1671560

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	0.200	1.09	ND	ND		1	WG1671560
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1671560
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1671560
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1671560
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1671560
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1671560
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1671560
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1671560
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1671560
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1671560
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1671560
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*96.1*				WG1671560

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	1.25	2.97	5.04	12.0		1	WG1671560
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1671560
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1671560
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1671560
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1671560
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1671560
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1671560
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1671560
Carbon disulfide	75-15-0	76.10	0.200	0.622	1.43	4.45		1	WG1671560
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1671560
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1671560
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1671560
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1671560
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1671560
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1671560
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1671560
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1671560
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1671560
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1671560
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1671560
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1671560
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1671560
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1671560
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1671560
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1671560
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1671560
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1671560
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1671560
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1671560
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1671560
Ethanol	64-17-5	46.10	1.25	2.36	40.8	76.9		1	WG1671560
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1671560
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1671560
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	6.97	39.2		1	WG1671560
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	4.28	21.2		1	WG1671560
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1671560
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1671560
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1671560
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1671560
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1671560
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1671560
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1671560
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1671560
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1671560
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1671560
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1671560
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1671560
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1671560
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1671560
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1671560
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1671560
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1671560
Tetrachloroethylene	127-18-4	166	0.200	1.36	4.39	29.8		1	WG1671560
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	0.983	2.90		1	WG1671560
Toluene	108-88-3	92.10	0.500	1.88	0.804	3.03		1	WG1671560
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1671560

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	0.200	1.09	0.620	3.37		1	WG1671560
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1671560
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1671560
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1671560
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1671560
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1671560
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1671560
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1671560
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1671560
m&p-Xylene	1330-20-7	106	0.400	1.73	0.497	2.15		1	WG1671560
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1671560
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*95.5*				WG1671560

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	1.25	2.97	2.85	6.77		1	WG1671560
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1671560
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1671560
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1671560
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1671560
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1671560
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1671560
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1671560
Carbon disulfide	75-15-0	76.10	0.200	0.622	3.23	10.1		1	WG1671560
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1671560
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1671560
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1671560
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1671560
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1671560
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1671560
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1671560
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1671560
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1671560
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1671560
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1671560
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1671560
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1671560
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1671560
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1671560
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1671560
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1671560
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1671560
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1671560
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1671560
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1671560
Ethanol	64-17-5	46.10	1.25	2.36	111	209	E	1	WG1671560
Ethylbenzene	100-41-4	106	0.200	0.867	0.216	0.936		1	WG1671560
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1671560
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	8.07	45.4		1	WG1671560
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	5.17	25.6		1	WG1671560
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1671560
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1671560
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1671560
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1671560
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1671560
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1671560
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1671560
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1671560
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1671560
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1671560
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1671560
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1671560
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1671560
2-Propanol	67-63-0	60.10	1.25	3.07	4.01	9.86		1	WG1671560
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1671560
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1671560
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1671560
Tetrachloroethylene	127-18-4	166	0.200	1.36	7.28	49.4		1	WG1671560
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	0.593	1.75		1	WG1671560
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1671560
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1671560

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	0.200	1.09	0.628	3.42		1	WG1671560
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1671560
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1671560
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1671560
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1671560
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1671560
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1671560
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1671560
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1671560
m&p-Xylene	1330-20-7	106	0.400	1.73	0.750	3.25		1	WG1671560
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1671560
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*95.0*				WG1671560

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	1.25	2.97	2.67	6.34		1	WG1671560
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1671560
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1671560
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1671560
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1671560
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1671560
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1671560
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1671560
Carbon disulfide	75-15-0	76.10	0.200	0.622	8.10	25.2		1	WG1671560
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1671560
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1671560
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1671560
Chloroform	67-66-3	119	0.200	0.973	17.3	84.2		1	WG1671560
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1671560
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1671560
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1671560
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1671560
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1671560
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1671560
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1671560
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1671560
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1671560
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1671560
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1671560
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1671560
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1671560
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1671560
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1671560
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1671560
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1671560
Ethanol	64-17-5	46.10	1.25	2.36	36.0	67.9		1	WG1671560
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1671560
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1671560
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.539	3.03		1	WG1671560
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.432	2.14		1	WG1671560
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1671560
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1671560
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1671560
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1671560
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1671560
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1671560
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1671560
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1671560
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1671560
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1671560
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1671560
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1671560
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1671560
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1671560
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1671560
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1671560
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1671560
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.263	1.79		1	WG1671560
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1671560
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1671560
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1671560

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	0.200	1.09	ND	ND		1	WG1671560
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1671560
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1671560
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1671560
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1671560
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1671560
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1671560
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1671560
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1671560
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1671560
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1671560
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*95.2*				WG1671560

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	1.25	2.97	2.33	5.54		1	WG1671560
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1671560
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1671560
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1671560
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1671560
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1671560
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1671560
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1671560
Carbon disulfide	75-15-0	76.10	0.200	0.622	2.98	9.28		1	WG1671560
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1671560
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1671560
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1671560
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1671560
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1671560
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1671560
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1671560
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1671560
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1671560
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1671560
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1671560
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1671560
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1671560
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1671560
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1671560
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1671560
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1671560
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1671560
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1671560
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1671560
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1671560
Ethanol	64-17-5	46.10	1.25	2.36	6.41	12.1		1	WG1671560
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1671560
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1671560
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.421	2.37		1	WG1671560
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.603	2.98		1	WG1671560
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1671560
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1671560
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1671560
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1671560
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1671560
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1671560
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1671560
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1671560
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1671560
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1671560
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1671560
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1671560
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1671560
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1671560
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1671560
Styrene	100-42-5	104	0.200	0.851	0.333	1.42		1	WG1671560
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1671560
Tetrachloroethylene	127-18-4	166	0.200	1.36	1.86	12.6		1	WG1671560
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1671560
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1671560
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1671560

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	0.200	1.09	ND	ND		1	WG1671560
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1671560
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1671560
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.304	1.49		1	WG1671560
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1671560
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1671560
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1671560
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1671560
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1671560
m&p-Xylene	1330-20-7	106	0.400	1.73	0.568	2.46		1	WG1671560
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1671560
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*95.5*				WG1671560

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	1.25	2.97	10.7	25.4		1	WG1671560
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1671560
Benzene	71-43-2	78.10	0.200	0.639	0.236	0.754		1	WG1671560
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1671560
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1671560
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1671560
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1671560
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1671560
Carbon disulfide	75-15-0	76.10	0.200	0.622	12.8	39.8		1	WG1671560
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1671560
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1671560
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1671560
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1671560
Chloromethane	74-87-3	50.50	0.200	0.413	0.573	1.18		1	WG1671560
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1671560
Cyclohexane	110-82-7	84.20	0.200	0.689	0.370	1.27		1	WG1671560
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1671560
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1671560
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1671560
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1671560
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1671560
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1671560
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1671560
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1671560
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1671560
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1671560
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1671560
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1671560
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1671560
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1671560
Ethanol	64-17-5	46.10	1.25	2.36	237	447	E	1	WG1671560
Ethylbenzene	100-41-4	106	0.200	0.867	0.210	0.910		1	WG1671560
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1671560
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.253	1.42		1	WG1671560
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.313	1.55		1	WG1671560
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1671560
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1671560
Heptane	142-82-5	100	0.200	0.818	0.341	1.39		1	WG1671560
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1671560
n-Hexane	110-54-3	86.20	0.630	2.22	0.772	2.72		1	WG1671560
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1671560
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.215	0.747		1	WG1671560
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1671560
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	2.91	8.58		1	WG1671560
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1671560
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1671560
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1671560
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1671560
2-Propanol	67-63-0	60.10	1.25	3.07	11.4	28.0		1	WG1671560
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1671560
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1671560
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1671560
Tetrachloroethylene	127-18-4	166	0.200	1.36	1.04	7.06		1	WG1671560
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	6.83	20.1		1	WG1671560
Toluene	108-88-3	92.10	0.500	1.88	2.26	8.51		1	WG1671560
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1671560

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	0.200	1.09	ND	ND		1	WG1671560
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1671560
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1671560
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.384	1.88		1	WG1671560
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1671560
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	0.343	1.60		1	WG1671560
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1671560
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1671560
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1671560
m&p-Xylene	1330-20-7	106	0.400	1.73	0.766	3.32		1	WG1671560
o-Xylene	95-47-6	106	0.200	0.867	0.252	1.09		1	WG1671560
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*95.1*				WG1671560

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	1.25	2.97	3.11	7.39		1	WG1671560
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1671560
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1671560
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1671560
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1671560
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1671560
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1671560
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1671560
Carbon disulfide	75-15-0	76.10	0.200	0.622	2.85	8.87		1	WG1671560
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1671560
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1671560
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1671560
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1671560
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1671560
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1671560
Cyclohexane	110-82-7	84.20	0.200	0.689	0.241	0.830		1	WG1671560
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1671560
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1671560
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1671560
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1671560
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1671560
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1671560
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1671560
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1671560
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1671560
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1671560
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1671560
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1671560
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1671560
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1671560
Ethanol	64-17-5	46.10	1.25	2.36	12.3	23.2		1	WG1671560
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1671560
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1671560
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1671560
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.373	1.84		1	WG1671560
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1671560
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1671560
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1671560
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1671560
n-Hexane	110-54-3	86.20	0.630	2.22	0.733	2.58		1	WG1671560
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1671560
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1671560
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1671560
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1671560
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1671560
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1671560
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1671560
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1671560
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1671560
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1671560
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1671560
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1671560
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.481	3.27		1	WG1671560
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1671560
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1671560
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1671560

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	0.200	1.09	ND	ND		1	WG1671560
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1671560
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1671560
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.324	1.59		1	WG1671560
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1671560
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1671560
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1671560
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1671560
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1671560
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1671560
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1671560
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*95.4*				WG1671560

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	1.25	2.97	24.3	57.7		1	WG1671560
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1671560
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1671560
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1671560
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1671560
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1671560
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1671560
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1671560
Carbon disulfide	75-15-0	76.10	0.200	0.622	3.87	12.0		1	WG1671560
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1671560
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1671560
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1671560
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1671560
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1671560
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1671560
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1671560
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1671560
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1671560
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1671560
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1671560
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1671560
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1671560
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1671560
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1671560
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1671560
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1671560
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1671560
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1671560
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1671560
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1671560
Ethanol	64-17-5	46.10	1.25	2.36	7.93	15.0		1	WG1671560
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1671560
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1671560
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1671560
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	ND	ND		1	WG1671560
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1671560
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1671560
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1671560
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1671560
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1671560
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1671560
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1671560
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1671560
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	93.9	277		1	WG1671560
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1671560
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1671560
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1671560
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1671560
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1671560
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1671560
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1671560
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1671560
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.447	3.03		1	WG1671560
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	40.7	120		1	WG1671560
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1671560
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1671560

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	0.200	1.09	ND	ND		1	WG1671560
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1671560
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1671560
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1671560
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1671560
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	0.205	0.958		1	WG1671560
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1671560
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1671560
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1671560
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1671560
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1671560
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*92.1*				WG1671560

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	1.25	2.97	2.98	7.08		1	WG1671560
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1671560
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1671560
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1671560
Bromodichloromethane	75-27-4	164	0.200	1.34	0.219	1.47		1	WG1671560
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1671560
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1671560
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1671560
Carbon disulfide	75-15-0	76.10	0.200	0.622	3.56	11.1		1	WG1671560
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1671560
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1671560
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1671560
Chloroform	67-66-3	119	0.200	0.973	9.62	46.8		1	WG1671560
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1671560
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1671560
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1671560
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1671560
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1671560
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1671560
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1671560
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1671560
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1671560
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1671560
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1671560
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1671560
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1671560
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1671560
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1671560
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1671560
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1671560
Ethanol	64-17-5	46.10	1.25	2.36	13.3	25.1		1	WG1671560
Ethylbenzene	100-41-4	106	0.200	0.867	0.985	4.27		1	WG1671560
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.447	2.19		1	WG1671560
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.327	1.84		1	WG1671560
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.437	2.16		1	WG1671560
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1671560
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1671560
Heptane	142-82-5	100	0.200	0.818	0.226	0.924		1	WG1671560
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1671560
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1671560
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1671560
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1671560
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1671560
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1671560
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1671560
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1671560
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1671560
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1671560
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1671560
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1671560
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1671560
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1671560
Tetrachloroethylene	127-18-4	166	0.200	1.36	9.71	65.9		1	WG1671560
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1671560
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1671560
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1671560

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	0.200	1.09	ND	ND		1	WG1671560
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1671560
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1671560
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.205	1.01		1	WG1671560
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1671560
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	0.236	1.10		1	WG1671560
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1671560
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1671560
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1671560
m&p-Xylene	1330-20-7	106	0.400	1.73	1.54	6.68		1	WG1671560
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1671560
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*95.4*				WG1671560

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	1.25	2.97	4.70	11.2		1	WG1671560
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1671560
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1671560
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1671560
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1671560
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1671560
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1671560
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1671560
Carbon disulfide	75-15-0	76.10	0.200	0.622	12.7	39.5		1	WG1671560
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1671560
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1671560
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1671560
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1671560
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1671560
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1671560
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1671560
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1671560
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1671560
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1671560
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1671560
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1671560
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1671560
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1671560
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1671560
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1671560
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1671560
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1671560
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1671560
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1671560
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1671560
Ethanol	64-17-5	46.10	1.25	2.36	40.4	76.2		1	WG1671560
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1671560
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1671560
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.314	1.76		1	WG1671560
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.426	2.11		1	WG1671560
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1671560
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1671560
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1671560
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1671560
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1671560
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1671560
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1671560
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1671560
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1671560
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1671560
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1671560
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1671560
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1671560
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1671560
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1671560
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1671560
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1671560
Tetrachloroethylene	127-18-4	166	0.200	1.36	8.21	55.7		1	WG1671560
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	1.45	4.28		1	WG1671560
Toluene	108-88-3	92.10	0.500	1.88	1.22	4.60		1	WG1671560
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1671560

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	0.200	1.09	ND	ND		1	WG1671560
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1671560
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1671560
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.245	1.20		1	WG1671560
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1671560
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	0.384	1.79		1	WG1671560
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1671560
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1671560
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1671560
m&p-Xylene	1330-20-7	106	0.400	1.73	0.712	3.09		1	WG1671560
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1671560
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*95.4*				WG1671560

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	1.25	2.97	4.89	11.6		1	WG1671560
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1671560
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1671560
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1671560
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1671560
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1671560
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1671560
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1671560
Carbon disulfide	75-15-0	76.10	0.200	0.622	5.19	16.2		1	WG1671560
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1671560
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1671560
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1671560
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1671560
Chloromethane	74-87-3	50.50	0.200	0.413	0.580	1.20		1	WG1671560
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1671560
Cyclohexane	110-82-7	84.20	0.200	0.689	0.287	0.988		1	WG1671560
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1671560
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1671560
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1671560
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1671560
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1671560
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1671560
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1671560
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1671560
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1671560
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1671560
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1671560
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1671560
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1671560
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1671560
Ethanol	64-17-5	46.10	1.25	2.36	13.7	25.8		1	WG1671560
Ethylbenzene	100-41-4	106	0.200	0.867	0.370	1.60		1	WG1671560
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1671560
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.731	4.11		1	WG1671560
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	10.9	53.9		1	WG1671560
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1671560
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1671560
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1671560
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1671560
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1671560
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1671560
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1671560
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1671560
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1671560
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1671560
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1671560
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1671560
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1671560
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1671560
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG1671560
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1671560
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1671560
Tetrachloroethylene	127-18-4	166	0.200	1.36	17.8	121		1	WG1671560
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1671560
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1671560
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1671560

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	0.200	1.09	ND	ND		1	WG1671560
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1671560
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1671560
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.425	2.09		1	WG1671560
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1671560
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1671560
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1671560
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1671560
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1671560
m&p-Xylene	1330-20-7	106	0.400	1.73	0.815	3.53		1	WG1671560
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1671560
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*96.5*				WG1671560

Method Blank (MB)

(MB) R3655257-2 05/16/21 09:51

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Allyl Chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
1,3-Butadiene	U		0.104	2.00
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.200
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200

Method Blank (MB)

(MB) R3655257-2 05/16/21 09:51

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl Methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
2-Propanol	0.627	J	0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.200
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
Ethanol	0.265	J	0.265	1.25
(S) 1,4-Bromofluorobenzene	*96.9*			*60.0-140*

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

(LCS) R3655257-1 05/16/21 09:22 • (LCSD) R3655257-3 05/16/21 10:21

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	3.49	3.42	93.1	91.2	55.0-148			2.03	25
Propene	3.75	3.63	3.53	96.8	94.1	64.0-144			2.79	25
Dichlorodifluoromethane	3.75	3.66	3.73	97.6	99.5	64.0-139			1.89	25
1,2-Dichlorotetrafluoroethane	3.75	3.58	3.69	95.5	98.4	70.0-130			3.03	25
Chloromethane	3.75	3.80	3.86	101	103	70.0-130			1.57	25

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

(LCS) R3655257-1 05/16/21 09:22 • (LCSD) R3655257-3 05/16/21 10:21

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	3.65	3.78	97.3	101	70.0-130			3.50	25
1,3-Butadiene	3.75	3.43	3.62	91.5	96.5	70.0-130			5.39	25
Bromomethane	3.75	3.56	3.80	94.9	101	70.0-130			6.52	25
Chloroethane	3.75	3.49	3.78	93.1	101	70.0-130			7.98	25
Trichlorofluoromethane	3.75	3.57	3.62	95.2	96.5	70.0-130			1.39	25
1,1,2-Trichlorotrifluoroethane	3.75	3.54	3.71	94.4	98.9	70.0-130			4.69	25
1,1-Dichloroethene	3.75	3.57	3.72	95.2	99.2	70.0-130			4.12	25
1,1-Dichloroethane	3.75	3.61	3.62	96.3	96.5	70.0-130			0.277	25
Acetone	3.75	3.76	3.77	100	101	70.0-130			0.266	25
2-Propanol	3.75	3.50	3.51	93.3	93.6	70.0-139			0.285	25
Carbon disulfide	3.75	3.56	3.68	94.9	98.1	70.0-130			3.31	25
Methylene Chloride	3.75	3.55	3.67	94.7	97.9	70.0-130			3.32	25
MTBE	3.75	3.66	3.63	97.6	96.8	70.0-130			0.823	25
trans-1,2-Dichloroethene	3.75	3.68	3.74	98.1	99.7	70.0-130			1.62	25
n-Hexane	3.75	3.60	3.60	96.0	96.0	70.0-130			0.000	25
Vinyl acetate	3.75	3.50	3.33	93.3	88.8	70.0-130			4.98	25
Methyl Ethyl Ketone	3.75	3.66	3.60	97.6	96.0	70.0-130			1.65	25
cis-1,2-Dichloroethene	3.75	3.65	3.63	97.3	96.8	70.0-130			0.549	25
Chloroform	3.75	3.64	3.66	97.1	97.6	70.0-130			0.548	25
Cyclohexane	3.75	3.60	3.57	96.0	95.2	70.0-130			0.837	25
1,1,1-Trichloroethane	3.75	3.60	3.61	96.0	96.3	70.0-130			0.277	25
Carbon tetrachloride	3.75	3.60	3.65	96.0	97.3	70.0-130			1.38	25
Benzene	3.75	3.68	3.69	98.1	98.4	70.0-130			0.271	25
1,2-Dichloroethane	3.75	3.71	3.70	98.9	98.7	70.0-130			0.270	25
Heptane	3.75	3.72	3.66	99.2	97.6	70.0-130			1.63	25
Trichloroethylene	3.75	3.63	3.62	96.8	96.5	70.0-130			0.276	25
1,2-Dichloropropane	3.75	3.66	3.69	97.6	98.4	70.0-130			0.816	25
1,4-Dioxane	3.75	3.62	3.51	96.5	93.6	70.0-140			3.09	25
Bromodichloromethane	3.75	3.66	3.62	97.6	96.5	70.0-130			1.10	25
cis-1,3-Dichloropropene	3.75	3.73	3.65	99.5	97.3	70.0-130			2.17	25
4-Methyl-2-pentanone (MIBK)	3.75	3.59	3.48	95.7	92.8	70.0-139			3.11	25
Toluene	3.75	3.64	3.61	97.1	96.3	70.0-130			0.828	25
trans-1,3-Dichloropropene	3.75	3.69	3.56	98.4	94.9	70.0-130			3.59	25
1,1,2-Trichloroethane	3.75	3.63	3.61	96.8	96.3	70.0-130			0.552	25
Tetrachloroethylene	3.75	3.50	3.42	93.3	91.2	70.0-130			2.31	25
Methyl Butyl Ketone	3.75	3.66	3.58	97.6	95.5	70.0-149			2.21	25
Dibromochloromethane	3.75	3.56	3.53	94.9	94.1	70.0-130			0.846	25
1,2-Dibromoethane	3.75	3.64	3.58	97.1	95.5	70.0-130			1.66	25
Chlorobenzene	3.75	3.61	3.56	96.3	94.9	70.0-130			1.39	25
Ethylbenzene	3.75	3.63	3.61	96.8	96.3	70.0-130			0.552	25

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

(LCS) R3655257-1 05/16/21 09:22 • (LCSD) R3655257-3 05/16/21 10:21

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	7.13	7.04	95.1	93.9	70.0-130			1.27	25
o-Xylene	3.75	3.67	3.64	97.9	97.1	70.0-130			0.821	25
Styrene	3.75	3.71	3.69	98.9	98.4	70.0-130			0.541	25
Bromoform	3.75	3.58	3.49	95.5	93.1	70.0-130			2.55	25
1,1,2,2-Tetrachloroethane	3.75	3.54	3.54	94.4	94.4	70.0-130			0.000	25
4-Ethyltoluene	3.75	3.77	3.70	101	98.7	70.0-130			1.87	25
1,3,5-Trimethylbenzene	3.75	3.79	3.72	101	99.2	70.0-130			1.86	25
1,2,4-Trimethylbenzene	3.75	3.65	3.55	97.3	94.7	70.0-130			2.78	25
1,3-Dichlorobenzene	3.75	3.62	3.57	96.5	95.2	70.0-130			1.39	25
1,4-Dichlorobenzene	3.75	3.52	3.51	93.9	93.6	70.0-130			0.284	25
Benzyl Chloride	3.75	3.96	3.85	106	103	70.0-152			2.82	25
1,2-Dichlorobenzene	3.75	3.68	3.66	98.1	97.6	70.0-130			0.545	25
1,2,4-Trichlorobenzene	3.75	3.78	3.66	101	97.6	70.0-160			3.23	25
Hexachloro-1,3-butadiene	3.75	3.51	3.48	93.6	92.8	70.0-151			0.858	25
Naphthalene	3.75	3.94	3.88	105	103	70.0-159			1.53	25
Allyl Chloride	3.75	3.69	3.84	98.4	102	70.0-130			3.98	25
2-Chlorotoluene	3.75	3.65	3.57	97.3	95.2	70.0-130			2.22	25
Methyl Methacrylate	3.75	3.61	3.61	96.3	96.3	70.0-130			0.000	25
Tetrahydrofuran	3.75	3.56	3.66	94.9	97.6	70.0-137			2.77	25
2,2,4-Trimethylpentane	3.75	3.67	3.70	97.9	98.7	70.0-130			0.814	25
Vinyl Bromide	3.75	3.48	3.65	92.8	97.3	70.0-130			4.77	25
Isopropylbenzene	3.75	3.68	3.64	98.1	97.1	70.0-130			1.09	25
(S) 1,4-Bromofluorobenzene				*102*	*100*	*60.0-140*				

Method Blank (MB)

(MB) R3655214-3 05/16/21 10:34

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Allyl Chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
1,3-Butadiene	U		0.104	2.00
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.200
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200

Method Blank (MB)

(MB) R3655214-3 05/16/21 10:34

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl Methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
2-Propanol	U		0.264	1.25
Propene	0.237	J	0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.200
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
Ethanol	0.332	J	0.265	1.25
(S) 1,4-Bromofluorobenzene	*94.6*			*60.0-140*

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

(LCS) R3655214-1 05/16/21 09:08 • (LCSD) R3655214-2 05/16/21 09:53

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	3.27	3.38	87.2	90.1	55.0-148			3.31	25
Propene	3.75	3.70	3.67	98.7	97.9	64.0-144			0.814	25
Dichlorodifluoromethane	3.75	3.68	3.72	98.1	99.2	64.0-139			1.08	25
1,2-Dichlorotetrafluoroethane	3.75	3.64	3.65	97.1	97.3	70.0-130			0.274	25
Chloromethane	3.75	3.66	3.60	97.6	96.0	70.0-130			1.65	25

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

(LCS) R3655214-1 05/16/21 09:08 • (LCSD) R3655214-2 05/16/21 09:53

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	3.69	3.69	98.4	98.4	70.0-130			0.000	25
1,3-Butadiene	3.75	3.76	3.75	100	100	70.0-130			0.266	25
Bromomethane	3.75	3.57	3.62	95.2	96.5	70.0-130			1.39	25
Chloroethane	3.75	3.64	3.66	97.1	97.6	70.0-130			0.548	25
Trichlorofluoromethane	3.75	3.63	3.64	96.8	97.1	70.0-130			0.275	25
1,1,2-Trichlorotrifluoroethane	3.75	3.67	3.67	97.9	97.9	70.0-130			0.000	25
1,1-Dichloroethene	3.75	3.66	3.68	97.6	98.1	70.0-130			0.545	25
1,1-Dichloroethane	3.75	3.71	3.68	98.9	98.1	70.0-130			0.812	25
Acetone	3.75	3.64	3.64	97.1	97.1	70.0-130			0.000	25
2-Propanol	3.75	3.47	3.55	92.5	94.7	70.0-139			2.28	25
Carbon disulfide	3.75	3.69	3.71	98.4	98.9	70.0-130			0.541	25
Methylene Chloride	3.75	3.61	3.61	96.3	96.3	70.0-130			0.000	25
MTBE	3.75	3.66	3.64	97.6	97.1	70.0-130			0.548	25
trans-1,2-Dichloroethene	3.75	3.70	3.69	98.7	98.4	70.0-130			0.271	25
n-Hexane	3.75	3.71	3.70	98.9	98.7	70.0-130			0.270	25
Vinyl acetate	3.75	3.76	3.80	100	101	70.0-130			1.06	25
Methyl Ethyl Ketone	3.75	3.78	3.79	101	101	70.0-130			0.264	25
cis-1,2-Dichloroethene	3.75	3.69	3.71	98.4	98.9	70.0-130			0.541	25
Chloroform	3.75	3.67	3.66	97.9	97.6	70.0-130			0.273	25
Cyclohexane	3.75	3.69	3.67	98.4	97.9	70.0-130			0.543	25
1,1,1-Trichloroethane	3.75	3.67	3.64	97.9	97.1	70.0-130			0.821	25
Carbon tetrachloride	3.75	3.62	3.62	96.5	96.5	70.0-130			0.000	25
Benzene	3.75	3.73	3.74	99.5	99.7	70.0-130			0.268	25
1,2-Dichloroethane	3.75	3.62	3.69	96.5	98.4	70.0-130			1.92	25
Heptane	3.75	3.57	3.62	95.2	96.5	70.0-130			1.39	25
Trichloroethylene	3.75	3.64	3.65	97.1	97.3	70.0-130			0.274	25
1,2-Dichloropropane	3.75	3.74	3.69	99.7	98.4	70.0-130			1.35	25
1,4-Dioxane	3.75	3.23	3.39	86.1	90.4	70.0-140			4.83	25
Bromodichloromethane	3.75	3.66	3.70	97.6	98.7	70.0-130			1.09	25
cis-1,3-Dichloropropene	3.75	3.69	3.70	98.4	98.7	70.0-130			0.271	25
4-Methyl-2-pentanone (MIBK)	3.75	3.52	3.54	93.9	94.4	70.0-139			0.567	25
Toluene	3.75	3.71	3.73	98.9	99.5	70.0-130			0.538	25
trans-1,3-Dichloropropene	3.75	3.70	3.73	98.7	99.5	70.0-130			0.808	25
1,1,2-Trichloroethane	3.75	3.61	3.63	96.3	96.8	70.0-130			0.552	25
Tetrachloroethylene	3.75	3.67	3.70	97.9	98.7	70.0-130			0.814	25
Methyl Butyl Ketone	3.75	3.57	3.59	95.2	95.7	70.0-149			0.559	25
Dibromochloromethane	3.75	3.70	3.74	98.7	99.7	70.0-130			1.08	25
1,2-Dibromoethane	3.75	3.71	3.75	98.9	100	70.0-130			1.07	25
Chlorobenzene	3.75	3.72	3.76	99.2	100	70.0-130			1.07	25
Ethylbenzene	3.75	3.70	3.72	98.7	99.2	70.0-130			0.539	25

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

(LCS) R3655214-1 05/16/21 09:08 • (LCSD) R3655214-2 05/16/21 09:53

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	7.49	7.52	99.9	100	70.0-130			0.400	25
o-Xylene	3.75	3.66	3.66	97.6	97.6	70.0-130			0.000	25
Styrene	3.75	3.75	3.77	100	101	70.0-130			0.532	25
Bromoform	3.75	3.69	3.66	98.4	97.6	70.0-130			0.816	25
1,1,2,2-Tetrachloroethane	3.75	3.66	3.68	97.6	98.1	70.0-130			0.545	25
4-Ethyltoluene	3.75	3.76	3.81	100	102	70.0-130			1.32	25
1,3,5-Trimethylbenzene	3.75	3.63	3.69	96.8	98.4	70.0-130			1.64	25
1,2,4-Trimethylbenzene	3.75	3.69	3.73	98.4	99.5	70.0-130			1.08	25
1,3-Dichlorobenzene	3.75	3.68	3.72	98.1	99.2	70.0-130			1.08	25
1,4-Dichlorobenzene	3.75	3.76	3.82	100	102	70.0-130			1.58	25
Benzyl Chloride	3.75	3.75	3.75	100	100	70.0-152			0.000	25
1,2-Dichlorobenzene	3.75	3.69	3.71	98.4	98.9	70.0-130			0.541	25
1,2,4-Trichlorobenzene	3.75	3.74	3.79	99.7	101	70.0-160			1.33	25
Hexachloro-1,3-butadiene	3.75	3.64	3.67	97.1	97.9	70.0-151			0.821	25
Naphthalene	3.75	3.65	3.71	97.3	98.9	70.0-159			1.63	25
Allyl Chloride	3.75	3.71	3.64	98.9	97.1	70.0-130			1.90	25
2-Chlorotoluene	3.75	3.70	3.72	98.7	99.2	70.0-130			0.539	25
Methyl Methacrylate	3.75	3.73	3.79	99.5	101	70.0-130			1.60	25
Tetrahydrofuran	3.75	3.64	3.67	97.1	97.9	70.0-137			0.821	25
2,2,4-Trimethylpentane	3.75	3.77	3.75	101	100	70.0-130			0.532	25
Vinyl Bromide	3.75	3.64	3.67	97.1	97.9	70.0-130			0.821	25
Isopropylbenzene	3.75	3.71	3.74	98.9	99.7	70.0-130			0.805	25
(S) 1,4-Bromofluorobenzene				*97.4*	*97.5*	*60.0-140*				

Method Blank (MB)

(MB) R3655668-3 05/17/21 10:36

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
(S) 1,4-Bromofluorobenzene	*91.1*			*60.0-140*

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

(LCS) R3655668-1 05/17/21 09:08 • (LCSD) R3655668-2 05/17/21 09:52

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	3.89	3.77	104	101	70.0-130			3.13	25
2,2,4-Trimethylpentane	3.75	3.61	3.53	96.3	94.1	70.0-130			2.24	25
(S) 1,4-Bromofluorobenzene				*95.6*	*97.0*	*60.0-140*				

Method Blank (MB)

(MB) R3656580-3 05/19/21 14:15

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Helium	U		0.0259	0.100

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

(LCS) R3656580-1 05/19/21 14:09 • (LCSD) R3656580-2 05/19/21 14:12

Analyte	Spike Amount %	LCS Result %	LCSD Result %	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Helium	2.50	2.50	2.43	100	97.2	70.0-130			2.84	25

GLOSSARY OF TERMS

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

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
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.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
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	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
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

* 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 Analytical.

Company Name/Address:
PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1310
Seattle, WA 98121

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

Please Circle: PT MT CT ET

Phone: **206-529-3980**

Client Project #
1413.001.02.501F

Lab Project #
PESENVSWA-ALP

Collected by (print):
Sean Kouroysky

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N___ Y___

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

Quote #

Date Results Needed
Standard

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TO-15 Summa	Helium
SV-26-050621	Grab	Air	12	5/6/21	1021	1	X	
SV-06-050621	Grab	Air	6	5/6/21	0943	1	X	
SV-18-050621	Grab	Air	6	5/6/21	1145	1	X	
SV-16-051021	Grab	Air	6	5/10/21	1033	1	X	
SV-907-051121	Grab	Air	6	5/11/21	0800	1	X	X
SV01-051221	Grab	Air	12.3	5/12/21	1003	1	X	X
		Air						
		Air						
		Air						
		Air						

Chain of Custody Page 1 of 1

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Road Mt Juliet, TN 37122
Phone: 615-758-5858 Alt: 800-767-5859
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1353415

Table M031

Acctnum: **PESENVSWA**
Template: **T180674**
Prelogin: **P822385**
PM: **546 - Jared Starkey**
PB: CSA 02/01/21
Shipped Via: **FedEX Ground**

Remarks	Sample # (lab only)
	-01
	-02
	-03
	-04
	-05
	-06

* 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 # 9883 0090 8989

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)
	5/12/21	1700	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			Josh Sanjinsky

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

Temp: °C Bottles Received: AMB25197 Unused

Date: 5/14/21 Time: 9:30

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Company Name/Address:
PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1310
Seattle, WA 98121

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

Please Circle: PT MT CT ET

Phone: **206-529-3980**

Client Project #
1413.001.02.SOIF

Lab Project #
PESENVSWA-ALP

Collected by (print):
Sean Kouroussky

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately
Packed on Ice N___ Y___

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

Quote #

Date Results Needed
Standard

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TO-15 Summa	Remarks	Sample # (lab only)
SV-12-050221	Grab	Air	6	5/2/21	0921	1	X		-07
SV-23-050421		Air	6	5/4/21	0801	1	X		-08
SV-906-050421		Air	10	5/4/21	~~0730~~	1	X	0730 time	-09
SV-24-050421		Air	10	5/4/21	0841	1	X		-10
SV-21-050421		Air	6	5/4/21	0928	1	X		-11
SV-07-050621	↓	Air	15	5/6/21	0903	1	X		-12
		Air							
		Air							
		Air							
		Air							

Analysis / Container / Preservative

Chain of Custody Page 2 of 5

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SDG # L1353415

Table #

Acctnum: **PESENVSWA**

Template: **T180674**

Prelogin: **P822385**

PM: **546 - Jared Starkey**

PB: CSL 02/01/21

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 # 9883 0900 8990

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
	5/12/21	1700		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: AM Bas 19EM Unused
				If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time: Hold: Condition: NCF / OK
			Josh Luzinski	5/14/21 9:30

Chain of Custody Page 3 of 5

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Company Name/Address:
PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1310
Seattle, WA 98121

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

Please Circle: PT MT CT ET

Phone: **206-529-3980**

Client Project # 1413.001.02.SDF

Lab Project # **PESENVSWA-ALP**

Collected by (print): Sean Kownovsky

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N___ Y___

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

Quote #

Date Results Needed: STANDARD

SDG # L1353415

Table #

Acctnum: **PESENVSWA**

Template: **T180674**

Prelogin: **P822385**

PM: **546 - Jared Starkey**

PB: CSR 02/01/21

Shipped Via: **FedEX Ground**

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TO-15 Summa	Remarks	Sample # (lab only)
SV-22-050421	Grab	Air	10	5/4/21	1018	1	X		-13
SV-15-050421		Air	13	5/4/21	1125	1	X		-14
SV-14-050421		Air	6	5/4/21	1157	1	X		-15
SV-19-050421		Air	6	5/4/21	1322	1	X		-16
SV-20-050521		Air	10	5/5/21	0742	1	X		-17
SV-17-050621		Air	6	5/6/21	0809	1	X		-18
		Air							
		Air							
		Air							
		Air							

* 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 # 9883 0900 9003

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
Sean Kownovsky	5/12/21	1700		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: AMB 25+7Unused
				If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time: Hold: Condition: NCF / OK
			Josh Grunewald	5/14/21 9:30

Company Name/Address:
PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1310
Seattle, WA 98121

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:

Please Circle: PT MT CT ET

Phone: **206-529-3980**

Client Project #
1413.001.02.501F

Lab Project #
PESENVSWA-ALP

Collected by (print):
Sean Kounovsky

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ___

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

Quote #

Date Results Needed
STANDARD

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TO-15 Summa	Remarks	Sample # (lab only)
SV-09-050521	Grab	Air	6	5/5/21	0834	1	X		-19
SV-08-050521	↓	Air	10	5/5/21	0908	1	X		-20
SV-10-050521			6	5/5/21	1010	1	X		-21
SV-11-050521			14.75	5/5/21	1037	1	X		-22

Analysis / Container / Preservative

Chain of Custody Page 4 of 5

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SDG # L1353415

Table #

Acctnum: **PESENVSWA**
Template: **T180674**
Prelogin: **P822385**
PM: **546 - Jared Starkey**
PB: CSL 02/01/21
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 # 9883 0090 9014

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)
Sean Kounovsky	5/12/21	1700	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			Josh Bunzinsky

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

Temp: AMB 25 °C Bottles Received: 19+7 Unused

Date: 5/14/21 Time: 9:30

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

Company Name/Address:
PES Environmental, Inc. - WA
2101 4th Ave. Suite 1310
Seattle, WA, 98121

Billing Information:
Attn: Accounts Payable
PES Environmental, Inc. - WA
2101 4th Ave. Suite 1310
Seattle, WA, 98121

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 # **1413.001.02.501F**

Lab Project #

Collected by (print): Sean Kounovsky

Site/Facility ID #

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No __Yes
FAX? ___No ___Yes

Canister Pressure/Vacuum

Sample ID	Sample Description		Can #	Date	Time	Initial	Final	TO-15 Summa				Rem./Contaminant	Sample # (lab only)
SV-27-050521		Grab	5667	5/5/21	1143	-30	-5	X					-23
SV-28-050521		Grab	8900	5/5/21	1207	-30	-5	X					-24
SV-25-050521		Grab	8055	5/5/21	1256	-31	-5	X					-25
								X	SK				

Analysis

Chain of Custody Page 5 of 5

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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 # L753415

Table #

Acctnum:

Template:

Prelogin:

TSR:

PB:

Shipped Via:

TRACKING# 9883 0090 9025

Remarks:

Hold #

Condition: (lab use only)

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	5/12/21	1700	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			Josh Grzynsky

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

Temp: AM 28 Bottles Received: 19 Unused

Date: 5/14/21 Time: 9:30

COC Seal Intact: ___ Y ___ N ✓ NA

pH Checked: NCF:

ANALYTICAL REPORT

May 27, 2021

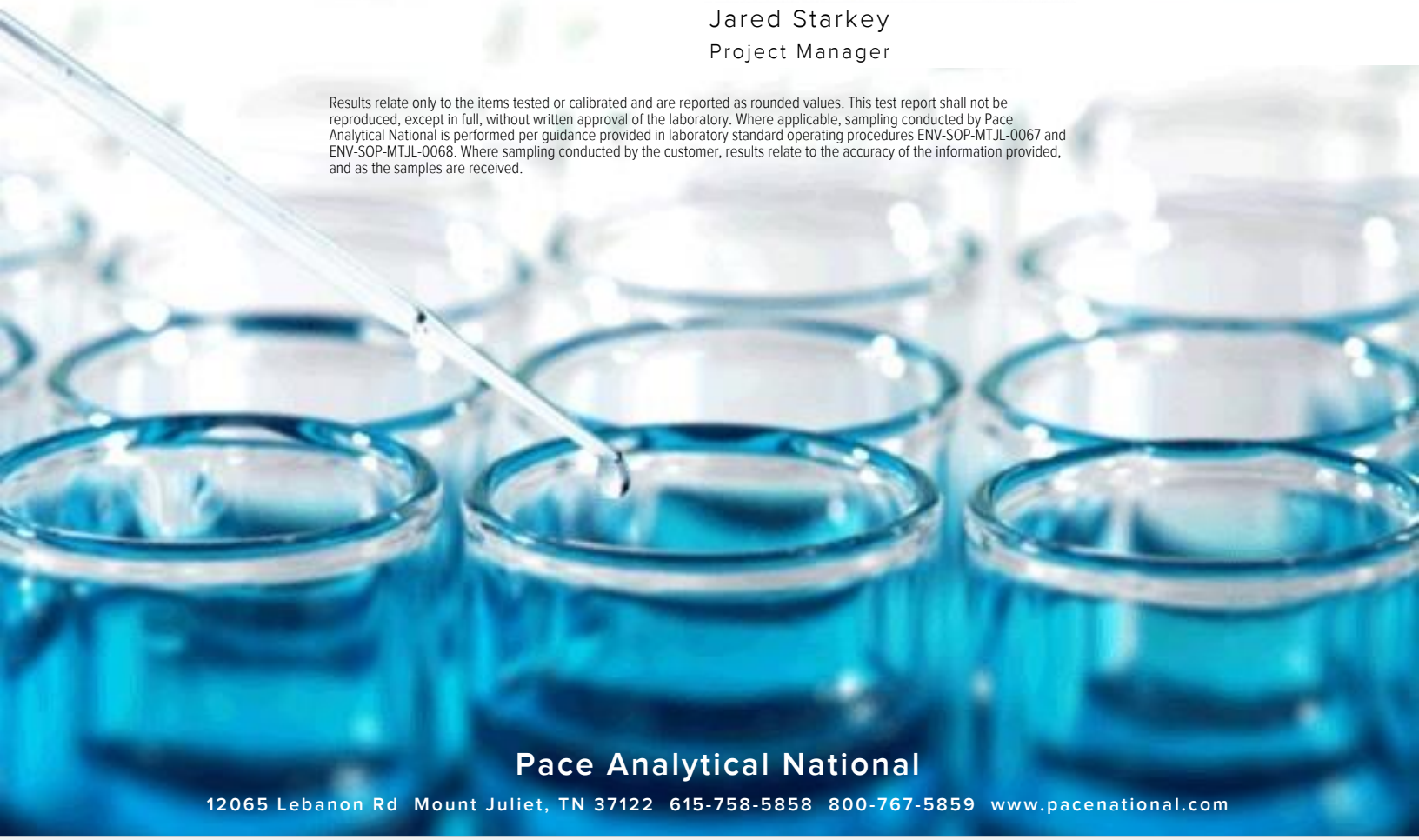
PES Environmental, Inc.- WA

Sample Delivery Group:	L1356635
Samples Received:	05/22/2021
Project Number:	1413.001.05.202
Description:	American Linen
Site:	FORMER AMERICAN LINEN
Report To:	Brian O'Neal/Bill Haldeman
	2101 Fourth Ave., Suite 1310
	Seattle, WA 98121

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace 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.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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T20-1.0 L1356635-01 Solid

Collected by: Chris D. | Collected date/time: 05/21/21 12:10 | Received date/time: 05/22/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1676041	1	05/24/21 13:44	05/24/21 13:50	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1676237	1.01	05/21/21 12:10	05/24/21 18:10	JHH	Mt. Juliet, TN

T20-3.5 L1356635-02 Solid

Collected by: Chris D. | Collected date/time: 05/21/21 13:00 | Received date/time: 05/22/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1676041	1	05/24/21 13:44	05/24/21 13:50	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1676237	1	05/21/21 13:00	05/24/21 18:29	JHH	Mt. Juliet, TN

T21-1.0 L1356635-03 Solid

Collected by: Chris D. | Collected date/time: 05/21/21 14:15 | Received date/time: 05/22/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1676041	1	05/24/21 13:44	05/24/21 13:50	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1676237	1.42	05/21/21 14:15	05/24/21 18:48	JHH	Mt. Juliet, TN

T21-3.5 L1356635-04 Solid

Collected by: Chris D. | Collected date/time: 05/21/21 15:00 | Received date/time: 05/22/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1676041	1	05/24/21 13:44	05/24/21 13:50	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1676237	1	05/21/21 15:00	05/24/21 19:07	JHH	Mt. Juliet, TN

CASE NARRATIVE

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

Jared Starkey
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.2		1	05/24/2021 13:50	WG1676041

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0439	0.0601	1.01	05/24/2021 18:10	WG1676237
Acrylonitrile	U		0.00435	0.0150	1.01	05/24/2021 18:10	WG1676237
Benzene	U		0.000562	0.00120	1.01	05/24/2021 18:10	WG1676237
Bromobenzene	U		0.00108	0.0150	1.01	05/24/2021 18:10	WG1676237
Bromodichloromethane	U		0.000872	0.00301	1.01	05/24/2021 18:10	WG1676237
Bromochloromethane	U		0.000679	0.00601	1.01	05/24/2021 18:10	WG1676237
Bromoform	U		0.00141	0.0301	1.01	05/24/2021 18:10	WG1676237
Bromomethane	U		0.00237	0.0150	1.01	05/24/2021 18:10	WG1676237
n-Butylbenzene	U		0.00631	0.0150	1.01	05/24/2021 18:10	WG1676237
sec-Butylbenzene	U		0.00347	0.0150	1.01	05/24/2021 18:10	WG1676237
tert-Butylbenzene	U		0.00235	0.00601	1.01	05/24/2021 18:10	WG1676237
Carbon disulfide	U	C3	0.000842	0.0150	1.01	05/24/2021 18:10	WG1676237
Carbon tetrachloride	U	C3	0.00108	0.00601	1.01	05/24/2021 18:10	WG1676237
Chlorobenzene	U		0.000253	0.00301	1.01	05/24/2021 18:10	WG1676237
Chlorodibromomethane	U		0.000736	0.00301	1.01	05/24/2021 18:10	WG1676237
Chloroethane	U		0.00205	0.00601	1.01	05/24/2021 18:10	WG1676237
Chloroform	U	C3	0.00124	0.00301	1.01	05/24/2021 18:10	WG1676237
Chloromethane	U		0.00523	0.0150	1.01	05/24/2021 18:10	WG1676237
2-Chlorotoluene	U		0.00104	0.00301	1.01	05/24/2021 18:10	WG1676237
4-Chlorotoluene	U		0.000542	0.00601	1.01	05/24/2021 18:10	WG1676237
1,2-Dibromo-3-Chloropropane	U		0.00469	0.0301	1.01	05/24/2021 18:10	WG1676237
1,2-Dibromoethane	U		0.000779	0.00301	1.01	05/24/2021 18:10	WG1676237
Dibromomethane	U		0.000902	0.00601	1.01	05/24/2021 18:10	WG1676237
1,2-Dichlorobenzene	U		0.000511	0.00601	1.01	05/24/2021 18:10	WG1676237
1,3-Dichlorobenzene	U		0.000722	0.00601	1.01	05/24/2021 18:10	WG1676237
1,4-Dichlorobenzene	U		0.000842	0.00601	1.01	05/24/2021 18:10	WG1676237
Dichlorodifluoromethane	U		0.00194	0.00301	1.01	05/24/2021 18:10	WG1676237
1,1-Dichloroethane	U		0.000591	0.00301	1.01	05/24/2021 18:10	WG1676237
1,2-Dichloroethane	U	C3	0.000780	0.00301	1.01	05/24/2021 18:10	WG1676237
1,1-Dichloroethene	U	C3	0.000729	0.00301	1.01	05/24/2021 18:10	WG1676237
cis-1,2-Dichloroethene	U		0.000883	0.00301	1.01	05/24/2021 18:10	WG1676237
trans-1,2-Dichloroethene	U	C3	0.00125	0.00601	1.01	05/24/2021 18:10	WG1676237
1,2-Dichloropropane	U		0.00170	0.00601	1.01	05/24/2021 18:10	WG1676237
1,1-Dichloropropene	U		0.000973	0.00301	1.01	05/24/2021 18:10	WG1676237
1,3-Dichloropropane	U		0.000603	0.00601	1.01	05/24/2021 18:10	WG1676237
cis-1,3-Dichloropropene	U		0.000911	0.00301	1.01	05/24/2021 18:10	WG1676237
trans-1,3-Dichloropropene	U		0.00137	0.00601	1.01	05/24/2021 18:10	WG1676237
trans-1,4-Dichloro-2-butene	U		0.00224	0.00601	1.01	05/24/2021 18:10	WG1676237
2,2-Dichloropropane	U		0.00166	0.00301	1.01	05/24/2021 18:10	WG1676237
Di-isopropyl ether	U		0.000493	0.00120	1.01	05/24/2021 18:10	WG1676237
Ethylbenzene	U		0.000886	0.00301	1.01	05/24/2021 18:10	WG1676237
Hexachloro-1,3-butadiene	U	C3	0.00722	0.0301	1.01	05/24/2021 18:10	WG1676237
2-Hexanone	U		0.00404	0.0301	1.01	05/24/2021 18:10	WG1676237
n-Hexane	U		0.00272	0.00601	1.01	05/24/2021 18:10	WG1676237
Iodomethane	U	C3	0.00279	0.0150	1.01	05/24/2021 18:10	WG1676237
Isopropylbenzene	U		0.000511	0.00301	1.01	05/24/2021 18:10	WG1676237
p-Isopropyltoluene	U		0.00307	0.00601	1.01	05/24/2021 18:10	WG1676237
2-Butanone (MEK)	0.126	B	0.0763	0.120	1.01	05/24/2021 18:10	WG1676237
Methylene Chloride	U		0.00799	0.0301	1.01	05/24/2021 18:10	WG1676237
4-Methyl-2-pentanone (MIBK)	U		0.00274	0.0301	1.01	05/24/2021 18:10	WG1676237

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000420	0.00120	1.01	05/24/2021 18:10	WG1676237
Naphthalene	U	C3	0.00587	0.0150	1.01	05/24/2021 18:10	WG1676237
n-Propylbenzene	U		0.00114	0.00601	1.01	05/24/2021 18:10	WG1676237
Styrene	0.00126	J	0.000275	0.0150	1.01	05/24/2021 18:10	WG1676237
1,1,1,2-Tetrachloroethane	U		0.00114	0.00301	1.01	05/24/2021 18:10	WG1676237
1,1,2,2-Tetrachloroethane	U		0.000836	0.00301	1.01	05/24/2021 18:10	WG1676237
1,1,2-Trichlorotrifluoroethane	U		0.000908	0.00301	1.01	05/24/2021 18:10	WG1676237
Tetrachloroethene	0.00475		0.00108	0.00301	1.01	05/24/2021 18:10	WG1676237
Toluene	0.00231	J	0.00156	0.00601	1.01	05/24/2021 18:10	WG1676237
1,2,3-Trichlorobenzene	U	C4 J4	0.00881	0.0150	1.01	05/24/2021 18:10	WG1676237
1,2,4-Trichlorobenzene	U	C4	0.00529	0.0150	1.01	05/24/2021 18:10	WG1676237
1,1,1-Trichloroethane	U	C3	0.00111	0.00301	1.01	05/24/2021 18:10	WG1676237
1,1,2-Trichloroethane	U		0.000718	0.00301	1.01	05/24/2021 18:10	WG1676237
Trichloroethene	U		0.000703	0.00120	1.01	05/24/2021 18:10	WG1676237
Trichlorofluoromethane	U		0.000995	0.00301	1.01	05/24/2021 18:10	WG1676237
1,2,3-Trichloropropane	U		0.00195	0.0150	1.01	05/24/2021 18:10	WG1676237
1,2,4-Trimethylbenzene	U		0.00191	0.00601	1.01	05/24/2021 18:10	WG1676237
1,2,3-Trimethylbenzene	U	C3 J4	0.00191	0.00601	1.01	05/24/2021 18:10	WG1676237
1,3,5-Trimethylbenzene	U		0.00241	0.00601	1.01	05/24/2021 18:10	WG1676237
Vinyl acetate	U		0.00306	0.0150	1.01	05/24/2021 18:10	WG1676237
Vinyl chloride	U		0.00139	0.00301	1.01	05/24/2021 18:10	WG1676237
Xylenes, Total	0.00154	J	0.00106	0.00781	1.01	05/24/2021 18:10	WG1676237
(S) Toluene-d8	*109*			*75.0-131*		*05/24/2021 18:10*	WG1676237
(S) 4-Bromofluorobenzene	*92.5*			*67.0-138*		*05/24/2021 18:10*	WG1676237
(S) 1,2-Dichloroethane-d4	*88.7*			*70.0-130*		*05/24/2021 18:10*	WG1676237

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.9		1	05/24/2021 13:50	WG1676041

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0516	0.0707	1	05/24/2021 18:29	WG1676237
Acrylonitrile	U		0.00511	0.0177	1	05/24/2021 18:29	WG1676237
Benzene	U		0.000660	0.00141	1	05/24/2021 18:29	WG1676237
Bromobenzene	U		0.00127	0.0177	1	05/24/2021 18:29	WG1676237
Bromodichloromethane	U		0.00103	0.00354	1	05/24/2021 18:29	WG1676237
Bromochloromethane	U		0.000798	0.00707	1	05/24/2021 18:29	WG1676237
Bromoform	U		0.00165	0.0354	1	05/24/2021 18:29	WG1676237
Bromomethane	U		0.00279	0.0177	1	05/24/2021 18:29	WG1676237
n-Butylbenzene	U		0.00743	0.0177	1	05/24/2021 18:29	WG1676237
sec-Butylbenzene	U		0.00407	0.0177	1	05/24/2021 18:29	WG1676237
tert-Butylbenzene	U		0.00276	0.00707	1	05/24/2021 18:29	WG1676237
Carbon disulfide	U	C3	0.000990	0.0177	1	05/24/2021 18:29	WG1676237
Carbon tetrachloride	U	C3	0.00127	0.00707	1	05/24/2021 18:29	WG1676237
Chlorobenzene	U		0.000297	0.00354	1	05/24/2021 18:29	WG1676237
Chlorodibromomethane	U		0.000866	0.00354	1	05/24/2021 18:29	WG1676237
Chloroethane	U		0.00240	0.00707	1	05/24/2021 18:29	WG1676237
Chloroform	0.0202	C3	0.00146	0.00354	1	05/24/2021 18:29	WG1676237
Chloromethane	U		0.00615	0.0177	1	05/24/2021 18:29	WG1676237
2-Chlorotoluene	U		0.00122	0.00354	1	05/24/2021 18:29	WG1676237
4-Chlorotoluene	U		0.000636	0.00707	1	05/24/2021 18:29	WG1676237
1,2-Dibromo-3-Chloropropane	U		0.00552	0.0354	1	05/24/2021 18:29	WG1676237
1,2-Dibromoethane	U		0.000916	0.00354	1	05/24/2021 18:29	WG1676237
Dibromomethane	U		0.00106	0.00707	1	05/24/2021 18:29	WG1676237
1,2-Dichlorobenzene	U		0.000601	0.00707	1	05/24/2021 18:29	WG1676237
1,3-Dichlorobenzene	U		0.000849	0.00707	1	05/24/2021 18:29	WG1676237
1,4-Dichlorobenzene	U		0.000990	0.00707	1	05/24/2021 18:29	WG1676237
Dichlorodifluoromethane	U		0.00228	0.00354	1	05/24/2021 18:29	WG1676237
1,1-Dichloroethane	U		0.000694	0.00354	1	05/24/2021 18:29	WG1676237
1,2-Dichloroethane	U	C3	0.000918	0.00354	1	05/24/2021 18:29	WG1676237
1,1-Dichloroethene	U	C3	0.000857	0.00354	1	05/24/2021 18:29	WG1676237
cis-1,2-Dichloroethene	0.00249	J	0.00104	0.00354	1	05/24/2021 18:29	WG1676237
trans-1,2-Dichloroethene	U	C3	0.00147	0.00707	1	05/24/2021 18:29	WG1676237
1,2-Dichloropropane	U		0.00201	0.00707	1	05/24/2021 18:29	WG1676237
1,1-Dichloropropene	U		0.00114	0.00354	1	05/24/2021 18:29	WG1676237
1,3-Dichloropropane	U		0.000709	0.00707	1	05/24/2021 18:29	WG1676237
cis-1,3-Dichloropropene	U		0.00107	0.00354	1	05/24/2021 18:29	WG1676237
trans-1,3-Dichloropropene	U		0.00161	0.00707	1	05/24/2021 18:29	WG1676237
trans-1,4-Dichloro-2-butene	U		0.00263	0.00707	1	05/24/2021 18:29	WG1676237
2,2-Dichloropropane	U		0.00195	0.00354	1	05/24/2021 18:29	WG1676237
Di-isopropyl ether	U		0.000580	0.00141	1	05/24/2021 18:29	WG1676237
Ethylbenzene	U		0.00104	0.00354	1	05/24/2021 18:29	WG1676237
Hexachloro-1,3-butadiene	U	C3	0.00849	0.0354	1	05/24/2021 18:29	WG1676237
2-Hexanone	U		0.00475	0.0354	1	05/24/2021 18:29	WG1676237
n-Hexane	U		0.00320	0.00707	1	05/24/2021 18:29	WG1676237
Iodomethane	U	C3	0.00328	0.0177	1	05/24/2021 18:29	WG1676237
Isopropylbenzene	U		0.000601	0.00354	1	05/24/2021 18:29	WG1676237
p-Isopropyltoluene	U		0.00361	0.00707	1	05/24/2021 18:29	WG1676237
2-Butanone (MEK)	U		0.0898	0.141	1	05/24/2021 18:29	WG1676237
Methylene Chloride	U		0.00939	0.0354	1	05/24/2021 18:29	WG1676237
4-Methyl-2-pentanone (MIBK)	U		0.00322	0.0354	1	05/24/2021 18:29	WG1676237

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000495	0.00141	1	05/24/2021 18:29	WG1676237
Naphthalene	U	C3	0.00690	0.0177	1	05/24/2021 18:29	WG1676237
n-Propylbenzene	U		0.00134	0.00707	1	05/24/2021 18:29	WG1676237
Styrene	U		0.000324	0.0177	1	05/24/2021 18:29	WG1676237
1,1,1,2-Tetrachloroethane	U		0.00134	0.00354	1	05/24/2021 18:29	WG1676237
1,1,2,2-Tetrachloroethane	U		0.000983	0.00354	1	05/24/2021 18:29	WG1676237
1,1,2-Trichlorotrifluoroethane	U		0.00107	0.00354	1	05/24/2021 18:29	WG1676237
Tetrachloroethene	0.0283		0.00127	0.00354	1	05/24/2021 18:29	WG1676237
Toluene	U		0.00184	0.00707	1	05/24/2021 18:29	WG1676237
1,2,3-Trichlorobenzene	U	C4 J4	0.0104	0.0177	1	05/24/2021 18:29	WG1676237
1,2,4-Trichlorobenzene	U	C4	0.00622	0.0177	1	05/24/2021 18:29	WG1676237
1,1,1-Trichloroethane	U	C3	0.00131	0.00354	1	05/24/2021 18:29	WG1676237
1,1,2-Trichloroethane	U		0.000844	0.00354	1	05/24/2021 18:29	WG1676237
Trichloroethene	0.00158		0.000826	0.00141	1	05/24/2021 18:29	WG1676237
Trichlorofluoromethane	U		0.00117	0.00354	1	05/24/2021 18:29	WG1676237
1,2,3-Trichloropropane	U		0.00229	0.0177	1	05/24/2021 18:29	WG1676237
1,2,4-Trimethylbenzene	U		0.00223	0.00707	1	05/24/2021 18:29	WG1676237
1,2,3-Trimethylbenzene	U	C3 J4	0.00223	0.00707	1	05/24/2021 18:29	WG1676237
1,3,5-Trimethylbenzene	U		0.00283	0.00707	1	05/24/2021 18:29	WG1676237
Vinyl acetate	U		0.00359	0.0177	1	05/24/2021 18:29	WG1676237
Vinyl chloride	U		0.00164	0.00354	1	05/24/2021 18:29	WG1676237
Xylenes, Total	U		0.00124	0.00919	1	05/24/2021 18:29	WG1676237
(S) Toluene-d8	*109*			*75.0-131*		*05/24/2021 18:29*	WG1676237
(S) 4-Bromofluorobenzene	*91.8*			*67.0-138*		*05/24/2021 18:29*	WG1676237
(S) 1,2-Dichloroethane-d4	*76.4*			*70.0-130*		*05/24/2021 18:29*	WG1676237

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.6		1	05/24/2021 13:50	WG1676041

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0579	0.0793	1.42	05/24/2021 18:48	WG1676237
Acrylonitrile	U		0.00573	0.0199	1.42	05/24/2021 18:48	WG1676237
Benzene	U		0.000741	0.00159	1.42	05/24/2021 18:48	WG1676237
Bromobenzene	U		0.00143	0.0199	1.42	05/24/2021 18:48	WG1676237
Bromodichloromethane	U		0.00115	0.00397	1.42	05/24/2021 18:48	WG1676237
Bromochloromethane	U		0.000895	0.00793	1.42	05/24/2021 18:48	WG1676237
Bromoform	U		0.00185	0.0397	1.42	05/24/2021 18:48	WG1676237
Bromomethane	U		0.00313	0.0199	1.42	05/24/2021 18:48	WG1676237
n-Butylbenzene	U		0.00833	0.0199	1.42	05/24/2021 18:48	WG1676237
sec-Butylbenzene	U		0.00457	0.0199	1.42	05/24/2021 18:48	WG1676237
tert-Butylbenzene	U		0.00309	0.00793	1.42	05/24/2021 18:48	WG1676237
Carbon disulfide	U	C3	0.00111	0.0199	1.42	05/24/2021 18:48	WG1676237
Carbon tetrachloride	U	C3	0.00143	0.00793	1.42	05/24/2021 18:48	WG1676237
Chlorobenzene	U		0.000333	0.00397	1.42	05/24/2021 18:48	WG1676237
Chlorodibromomethane	U		0.000971	0.00397	1.42	05/24/2021 18:48	WG1676237
Chloroethane	U		0.00269	0.00793	1.42	05/24/2021 18:48	WG1676237
Chloroform	U	C3	0.00163	0.00397	1.42	05/24/2021 18:48	WG1676237
Chloromethane	U		0.00690	0.0199	1.42	05/24/2021 18:48	WG1676237
2-Chlorotoluene	U		0.00137	0.00397	1.42	05/24/2021 18:48	WG1676237
4-Chlorotoluene	U		0.000714	0.00793	1.42	05/24/2021 18:48	WG1676237
1,2-Dibromo-3-Chloropropane	U		0.00619	0.0397	1.42	05/24/2021 18:48	WG1676237
1,2-Dibromoethane	U		0.00103	0.00397	1.42	05/24/2021 18:48	WG1676237
Dibromomethane	U		0.00120	0.00793	1.42	05/24/2021 18:48	WG1676237
1,2-Dichlorobenzene	U		0.000674	0.00793	1.42	05/24/2021 18:48	WG1676237
1,3-Dichlorobenzene	U		0.000952	0.00793	1.42	05/24/2021 18:48	WG1676237
1,4-Dichlorobenzene	U		0.00111	0.00793	1.42	05/24/2021 18:48	WG1676237
Dichlorodifluoromethane	U		0.00256	0.00397	1.42	05/24/2021 18:48	WG1676237
1,1-Dichloroethane	U		0.000779	0.00397	1.42	05/24/2021 18:48	WG1676237
1,2-Dichloroethane	U	C3	0.00103	0.00397	1.42	05/24/2021 18:48	WG1676237
1,1-Dichloroethene	U	C3	0.000962	0.00397	1.42	05/24/2021 18:48	WG1676237
cis-1,2-Dichloroethene	U		0.00116	0.00397	1.42	05/24/2021 18:48	WG1676237
trans-1,2-Dichloroethene	U	C3	0.00165	0.00793	1.42	05/24/2021 18:48	WG1676237
1,2-Dichloropropane	U		0.00226	0.00793	1.42	05/24/2021 18:48	WG1676237
1,1-Dichloropropene	U		0.00128	0.00397	1.42	05/24/2021 18:48	WG1676237
1,3-Dichloropropane	U		0.000794	0.00793	1.42	05/24/2021 18:48	WG1676237
cis-1,3-Dichloropropene	U		0.00120	0.00397	1.42	05/24/2021 18:48	WG1676237
trans-1,3-Dichloropropene	U		0.00181	0.00793	1.42	05/24/2021 18:48	WG1676237
trans-1,4-Dichloro-2-butene	U		0.00295	0.00793	1.42	05/24/2021 18:48	WG1676237
2,2-Dichloropropane	U		0.00219	0.00397	1.42	05/24/2021 18:48	WG1676237
Di-isopropyl ether	U		0.000650	0.00159	1.42	05/24/2021 18:48	WG1676237
Ethylbenzene	U		0.00117	0.00397	1.42	05/24/2021 18:48	WG1676237
Hexachloro-1,3-butadiene	U	C3	0.00952	0.0397	1.42	05/24/2021 18:48	WG1676237
2-Hexanone	U		0.00533	0.0397	1.42	05/24/2021 18:48	WG1676237
n-Hexane	U		0.00359	0.00793	1.42	05/24/2021 18:48	WG1676237
Iodomethane	U	C3	0.00368	0.0199	1.42	05/24/2021 18:48	WG1676237
Isopropylbenzene	U		0.000674	0.00397	1.42	05/24/2021 18:48	WG1676237
p-Isopropyltoluene	U		0.00404	0.00793	1.42	05/24/2021 18:48	WG1676237
2-Butanone (MEK)	0.207	B	0.101	0.159	1.42	05/24/2021 18:48	WG1676237
Methylene Chloride	U		0.0105	0.0397	1.42	05/24/2021 18:48	WG1676237
4-Methyl-2-pentanone (MIBK)	U		0.00362	0.0397	1.42	05/24/2021 18:48	WG1676237

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000555	0.00159	1.42	05/24/2021 18:48	WG1676237
Naphthalene	U	C3	0.00774	0.0199	1.42	05/24/2021 18:48	WG1676237
n-Propylbenzene	U		0.00151	0.00793	1.42	05/24/2021 18:48	WG1676237
Styrene	0.00103	J	0.000363	0.0199	1.42	05/24/2021 18:48	WG1676237
1,1,1,2-Tetrachloroethane	U		0.00151	0.00397	1.42	05/24/2021 18:48	WG1676237
1,1,2,2-Tetrachloroethane	U		0.00110	0.00397	1.42	05/24/2021 18:48	WG1676237
1,1,2-Trichlorotrifluoroethane	U		0.00120	0.00397	1.42	05/24/2021 18:48	WG1676237
Tetrachloroethene	U		0.00142	0.00397	1.42	05/24/2021 18:48	WG1676237
Toluene	0.00289	J	0.00207	0.00793	1.42	05/24/2021 18:48	WG1676237
1,2,3-Trichlorobenzene	U	C4 J4	0.0116	0.0199	1.42	05/24/2021 18:48	WG1676237
1,2,4-Trichlorobenzene	U	C4	0.00698	0.0199	1.42	05/24/2021 18:48	WG1676237
1,1,1-Trichloroethane	U	C3	0.00146	0.00397	1.42	05/24/2021 18:48	WG1676237
1,1,2-Trichloroethane	U		0.000947	0.00397	1.42	05/24/2021 18:48	WG1676237
Trichloroethene	U		0.000926	0.00159	1.42	05/24/2021 18:48	WG1676237
Trichlorofluoromethane	U		0.00131	0.00397	1.42	05/24/2021 18:48	WG1676237
1,2,3-Trichloropropane	U		0.00257	0.0199	1.42	05/24/2021 18:48	WG1676237
1,2,4-Trimethylbenzene	U		0.00250	0.00793	1.42	05/24/2021 18:48	WG1676237
1,2,3-Trimethylbenzene	U	C3 J4	0.00250	0.00793	1.42	05/24/2021 18:48	WG1676237
1,3,5-Trimethylbenzene	U		0.00317	0.00793	1.42	05/24/2021 18:48	WG1676237
Vinyl acetate	U		0.00403	0.0199	1.42	05/24/2021 18:48	WG1676237
Vinyl chloride	U		0.00184	0.00397	1.42	05/24/2021 18:48	WG1676237
Xylenes, Total	U		0.00140	0.0103	1.42	05/24/2021 18:48	WG1676237
(S) Toluene-d8	*107*			*75.0-131*		*05/24/2021 18:48*	WG1676237
(S) 4-Bromofluorobenzene	*96.5*			*67.0-138*		*05/24/2021 18:48*	WG1676237
(S) 1,2-Dichloroethane-d4	*88.4*			*70.0-130*		*05/24/2021 18:48*	WG1676237

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.9		1	05/24/2021 13:50	WG1676041

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0436	0.0597	1	05/24/2021 19:07	WG1676237
Acrylonitrile	U		0.00431	0.0149	1	05/24/2021 19:07	WG1676237
Benzene	U		0.000557	0.00119	1	05/24/2021 19:07	WG1676237
Bromobenzene	U		0.00107	0.0149	1	05/24/2021 19:07	WG1676237
Bromodichloromethane	U		0.000865	0.00298	1	05/24/2021 19:07	WG1676237
Bromochloromethane	U		0.000673	0.00597	1	05/24/2021 19:07	WG1676237
Bromoform	U		0.00140	0.0298	1	05/24/2021 19:07	WG1676237
Bromomethane	U		0.00235	0.0149	1	05/24/2021 19:07	WG1676237
n-Butylbenzene	U		0.00627	0.0149	1	05/24/2021 19:07	WG1676237
sec-Butylbenzene	U		0.00344	0.0149	1	05/24/2021 19:07	WG1676237
tert-Butylbenzene	U		0.00233	0.00597	1	05/24/2021 19:07	WG1676237
Carbon disulfide	U	C3	0.000835	0.0149	1	05/24/2021 19:07	WG1676237
Carbon tetrachloride	U	C3	0.00107	0.00597	1	05/24/2021 19:07	WG1676237
Chlorobenzene	U		0.000251	0.00298	1	05/24/2021 19:07	WG1676237
Chlorodibromomethane	U		0.000730	0.00298	1	05/24/2021 19:07	WG1676237
Chloroethane	U		0.00203	0.00597	1	05/24/2021 19:07	WG1676237
Chloroform	U	C3	0.00123	0.00298	1	05/24/2021 19:07	WG1676237
Chloromethane	U		0.00519	0.0149	1	05/24/2021 19:07	WG1676237
2-Chlorotoluene	U		0.00103	0.00298	1	05/24/2021 19:07	WG1676237
4-Chlorotoluene	U		0.000537	0.00597	1	05/24/2021 19:07	WG1676237
1,2-Dibromo-3-Chloropropane	U		0.00465	0.0298	1	05/24/2021 19:07	WG1676237
1,2-Dibromoethane	U		0.000773	0.00298	1	05/24/2021 19:07	WG1676237
Dibromomethane	U		0.000895	0.00597	1	05/24/2021 19:07	WG1676237
1,2-Dichlorobenzene	U		0.000507	0.00597	1	05/24/2021 19:07	WG1676237
1,3-Dichlorobenzene	U		0.000716	0.00597	1	05/24/2021 19:07	WG1676237
1,4-Dichlorobenzene	U		0.000835	0.00597	1	05/24/2021 19:07	WG1676237
Dichlorodifluoromethane	U		0.00192	0.00298	1	05/24/2021 19:07	WG1676237
1,1-Dichloroethane	U		0.000586	0.00298	1	05/24/2021 19:07	WG1676237
1,2-Dichloroethane	U	C3	0.000775	0.00298	1	05/24/2021 19:07	WG1676237
1,1-Dichloroethene	U	C3	0.000723	0.00298	1	05/24/2021 19:07	WG1676237
cis-1,2-Dichloroethene	U		0.000876	0.00298	1	05/24/2021 19:07	WG1676237
trans-1,2-Dichloroethene	U	C3	0.00124	0.00597	1	05/24/2021 19:07	WG1676237
1,2-Dichloropropane	U		0.00169	0.00597	1	05/24/2021 19:07	WG1676237
1,1-Dichloropropene	U		0.000965	0.00298	1	05/24/2021 19:07	WG1676237
1,3-Dichloropropane	U		0.000598	0.00597	1	05/24/2021 19:07	WG1676237
cis-1,3-Dichloropropene	U		0.000903	0.00298	1	05/24/2021 19:07	WG1676237
trans-1,3-Dichloropropene	U		0.00136	0.00597	1	05/24/2021 19:07	WG1676237
trans-1,4-Dichloro-2-butene	U		0.00222	0.00597	1	05/24/2021 19:07	WG1676237
2,2-Dichloropropane	U		0.00165	0.00298	1	05/24/2021 19:07	WG1676237
Di-isopropyl ether	U		0.000489	0.00119	1	05/24/2021 19:07	WG1676237
Ethylbenzene	U		0.000880	0.00298	1	05/24/2021 19:07	WG1676237
Hexachloro-1,3-butadiene	U	C3	0.00716	0.0298	1	05/24/2021 19:07	WG1676237
2-Hexanone	U		0.00401	0.0298	1	05/24/2021 19:07	WG1676237
n-Hexane	U		0.00270	0.00597	1	05/24/2021 19:07	WG1676237
Iodomethane	U	C3	0.00277	0.0149	1	05/24/2021 19:07	WG1676237
Isopropylbenzene	U		0.000507	0.00298	1	05/24/2021 19:07	WG1676237
p-Isopropyltoluene	U		0.00304	0.00597	1	05/24/2021 19:07	WG1676237
2-Butanone (MEK)	0.117	B J	0.0758	0.119	1	05/24/2021 19:07	WG1676237
Methylene Chloride	U		0.00792	0.0298	1	05/24/2021 19:07	WG1676237
4-Methyl-2-pentanone (MIBK)	U		0.00272	0.0298	1	05/24/2021 19:07	WG1676237

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000418	0.00119	1	05/24/2021 19:07	WG1676237
Naphthalene	U	C3	0.00582	0.0149	1	05/24/2021 19:07	WG1676237
n-Propylbenzene	U		0.00113	0.00597	1	05/24/2021 19:07	WG1676237
Styrene	0.000371	J	0.000273	0.0149	1	05/24/2021 19:07	WG1676237
1,1,1,2-Tetrachloroethane	U		0.00113	0.00298	1	05/24/2021 19:07	WG1676237
1,1,2,2-Tetrachloroethane	U		0.000829	0.00298	1	05/24/2021 19:07	WG1676237
1,1,2-Trichlorotrifluoroethane	U		0.000900	0.00298	1	05/24/2021 19:07	WG1676237
Tetrachloroethene	U		0.00107	0.00298	1	05/24/2021 19:07	WG1676237
Toluene	U		0.00155	0.00597	1	05/24/2021 19:07	WG1676237
1,2,3-Trichlorobenzene	U	C4 J4	0.00875	0.0149	1	05/24/2021 19:07	WG1676237
1,2,4-Trichlorobenzene	U	C4	0.00525	0.0149	1	05/24/2021 19:07	WG1676237
1,1,1-Trichloroethane	U	C3	0.00110	0.00298	1	05/24/2021 19:07	WG1676237
1,1,2-Trichloroethane	U		0.000712	0.00298	1	05/24/2021 19:07	WG1676237
Trichloroethene	U		0.000697	0.00119	1	05/24/2021 19:07	WG1676237
Trichlorofluoromethane	U		0.000987	0.00298	1	05/24/2021 19:07	WG1676237
1,2,3-Trichloropropane	U		0.00193	0.0149	1	05/24/2021 19:07	WG1676237
1,2,4-Trimethylbenzene	U		0.00189	0.00597	1	05/24/2021 19:07	WG1676237
1,2,3-Trimethylbenzene	U	C3 J4	0.00189	0.00597	1	05/24/2021 19:07	WG1676237
1,3,5-Trimethylbenzene	U		0.00239	0.00597	1	05/24/2021 19:07	WG1676237
Vinyl acetate	U		0.00303	0.0149	1	05/24/2021 19:07	WG1676237
Vinyl chloride	U		0.00138	0.00298	1	05/24/2021 19:07	WG1676237
Xylenes, Total	U		0.00105	0.00776	1	05/24/2021 19:07	WG1676237
(S) Toluene-d8	*107*			*75.0-131*		*05/24/2021 19:07*	WG1676237
(S) 4-Bromofluorobenzene	*92.4*			*67.0-138*		*05/24/2021 19:07*	WG1676237
(S) 1,2-Dichloroethane-d4	*83.3*			*70.0-130*		*05/24/2021 19:07*	WG1676237

Method Blank (MB)

(MB) R3658727-1 05/24/21 13:50

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

L1356733-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1356733-01 05/24/21 13:50 • (DUP) R3658727-3 05/24/21 13:50

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	77.7	77.4	1	0.423		10

Laboratory Control Sample (LCS)

(LCS) R3658727-2 05/24/21 13:50

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) R3659838-2 05/24/21 13:25

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromochloromethane	U		0.000564	0.00500
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon disulfide	U		0.000700	0.0125
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
trans-1,4-Dichloro-2-butene	U		0.00186	0.00500
Dichlorodifluoromethane	U		0.00161	0.00250
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100

Method Blank (MB)

(MB) R3659838-2 05/24/21 13:25

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
n-Hexane	U		0.00226	0.00500
2-Hexanone	U		0.00336	0.0250
Iodomethane	U		0.00232	0.0125
Isopropylbenzene	U		0.000425	0.00250
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	0.0910	J	0.0635	0.100
Methylene Chloride	0.0133	J	0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl acetate	U		0.00254	0.0125
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*109*			*75.0-131*
(S) 4-Bromofluorobenzene	*89.8*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*69.0*	J2		*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3659838-1 05/24/21 12:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.751	120	10.0-160	
Acrylonitrile	0.625	0.598	95.7	45.0-153	
Benzene	0.125	0.115	92.0	70.0-123	
Bromobenzene	0.125	0.121	96.8	73.0-121	
Bromodichloromethane	0.125	0.107	85.6	73.0-121	
Bromochloromethane	0.125	0.106	84.8	77.0-128	
Bromoform	0.125	0.106	84.8	64.0-132	
Bromomethane	0.125	0.120	96.0	56.0-147	
n-Butylbenzene	0.125	0.116	92.8	68.0-135	
sec-Butylbenzene	0.125	0.123	98.4	74.0-130	
tert-Butylbenzene	0.125	0.116	92.8	75.0-127	
Carbon disulfide	0.125	0.0959	76.7	56.0-133	
Carbon tetrachloride	0.125	0.0981	78.5	66.0-128	
Chlorobenzene	0.125	0.117	93.6	76.0-128	
Chlorodibromomethane	0.125	0.116	92.8	74.0-127	
Chloroethane	0.125	0.111	88.8	61.0-134	
Chloroform	0.125	0.0979	78.3	72.0-123	
Chloromethane	0.125	0.123	98.4	51.0-138	
2-Chlorotoluene	0.125	0.126	101	75.0-124	
4-Chlorotoluene	0.125	0.122	97.6	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.107	85.6	59.0-130	
1,2-Dibromoethane	0.125	0.117	93.6	74.0-128	
Dibromomethane	0.125	0.115	92.0	75.0-122	
1,2-Dichlorobenzene	0.125	0.115	92.0	76.0-124	
1,3-Dichlorobenzene	0.125	0.114	91.2	76.0-125	
1,4-Dichlorobenzene	0.125	0.117	93.6	77.0-121	
trans-1,4-Dichloro-2-butene	0.125	0.102	81.6	45.0-143	
Dichlorodifluoromethane	0.125	0.132	106	43.0-156	
1,1-Dichloroethane	0.125	0.111	88.8	70.0-127	
1,2-Dichloroethane	0.125	0.0969	77.5	65.0-131	
1,1-Dichloroethene	0.125	0.0961	76.9	65.0-131	
cis-1,2-Dichloroethene	0.125	0.107	85.6	73.0-125	
trans-1,2-Dichloroethene	0.125	0.0977	78.2	71.0-125	
1,2-Dichloropropane	0.125	0.120	96.0	74.0-125	
1,1-Dichloropropene	0.125	0.105	84.0	73.0-125	
1,3-Dichloropropane	0.125	0.127	102	80.0-125	
cis-1,3-Dichloropropene	0.125	0.107	85.6	76.0-127	
trans-1,3-Dichloropropene	0.125	0.119	95.2	73.0-127	
2,2-Dichloropropane	0.125	0.112	89.6	59.0-135	
Di-isopropyl ether	0.125	0.121	96.8	60.0-136	

Laboratory Control Sample (LCS)

(LCS) R3659838-1 05/24/21 12:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.125	0.118	94.4	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.0782	62.6	57.0-150	
2-Hexanone	0.625	0.689	110	54.0-147	
n-Hexane	0.125	0.114	91.2	55.0-137	
Iodomethane	0.625	0.491	78.6	74.0-134	
Isopropylbenzene	0.125	0.109	87.2	72.0-127	
p-Isopropyltoluene	0.125	0.113	90.4	72.0-133	
2-Butanone (MEK)	0.625	0.660	106	30.0-160	
Methylene Chloride	0.125	0.105	84.0	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.715	114	56.0-143	
Methyl tert-butyl ether	0.125	0.116	92.8	66.0-132	
Naphthalene	0.125	0.0901	72.1	59.0-130	
n-Propylbenzene	0.125	0.135	108	74.0-126	
Styrene	0.125	0.112	89.6	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.107	85.6	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.142	114	68.0-128	
Tetrachloroethene	0.125	0.124	99.2	70.0-136	
Toluene	0.125	0.122	97.6	75.0-121	
1,1,2-Trichlorotrifluoroethane	0.125	0.109	87.2	61.0-139	
1,2,3-Trichlorobenzene	0.125	0.0637	51.0	59.0-139	J4
1,2,4-Trichlorobenzene	0.125	0.0808	64.6	62.0-137	
1,1,1-Trichloroethane	0.125	0.0976	78.1	69.0-126	
1,1,2-Trichloroethane	0.125	0.122	97.6	78.0-123	
Trichloroethene	0.125	0.0999	79.9	76.0-126	
Trichlorofluoromethane	0.125	0.105	84.0	61.0-142	
1,2,3-Trichloropropane	0.125	0.122	97.6	67.0-129	
1,2,3-Trimethylbenzene	0.125	0.0880	70.4	74.0-124	J4
1,2,4-Trimethylbenzene	0.125	0.116	92.8	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.110	88.0	73.0-127	
Vinyl acetate	0.625	0.707	113	43.0-159	
Vinyl chloride	0.125	0.109	87.2	63.0-134	
Xylenes, Total	0.375	0.355	94.7	72.0-127	
(S) Toluene-d8			*106*	*75.0-131*	
(S) 4-Bromofluorobenzene			*91.1*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*84.9*	*70.0-130*	

GLOSSARY OF TERMS

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.
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
C4	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J4	The associated batch QC was outside the established quality control range for accuracy.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
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	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
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

* 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 Analytical.

Company Name/Address:
PES Environmental, Inc.- WA

2101 Fourth Ave., Suite 1310
Seattle, WA 98121

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

Please Circle: PT MT CT ET

Phone: **206-529-3980**

Client Project #
1413.001.02.501I

Lab Project #
PESENVSWA-ALP

Collected by (print):
Chris DeBoer

Site/Facility ID # Former American Linen Supply

P.O. #

Collected by (signature):
Chris DeBoer

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
X 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	ALK 125mlHDPE-NoPres	FEG, MNG 250mlHDPE-HNO3	NO3, CL, SO4 9056 125mlHDPE-NoPres	NWTPHGX 40mlAmb HCl	RSK175LL 40mlAmb-HCl	TOC 250mlHDPE-HCl	V8260C 40mlAmb/MeOH10ml/Syr	V8260ULLC 40mlAmb-HCl	dry weight 4ozClr-NoPres	Remarks	Sample # (lab only)
T-20-1.0	Grab	SS	1	5-21-21	1210	2							X		X		01
T-20-3.5	Grab	SS	3.5	5-21-21	1300	2							X		X		02
T-21-1.0	Grab	SS	1	5-21-21	1415	2							X		X		03
T-21-3.5	Grab	SS	3.5	5-21-21	1500	2							X		X		04
		SS															
		SS															
		SS															
		SS															
		SS															
		SS															

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

Pace Analytical®

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SP 1756695

D184

Acctnum: **PESENVSWA**
Template: **T187404**
Prelogin: **P846732**
PM: **546 - Jared Starkey**
PB: DV 5/12/21
Shipped Via: **FedEx Saver**

* 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 # 7911 5680 4831

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
Chris DeBoer	5/21/21	3:50pm		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.7 +0=1.7 °C Bottles Received: 4
				If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 5/22/21 Time: 9:30
			K. Holen	Hold: Condition: NCF / OK

ANALYTICAL REPORT

March 29, 2022

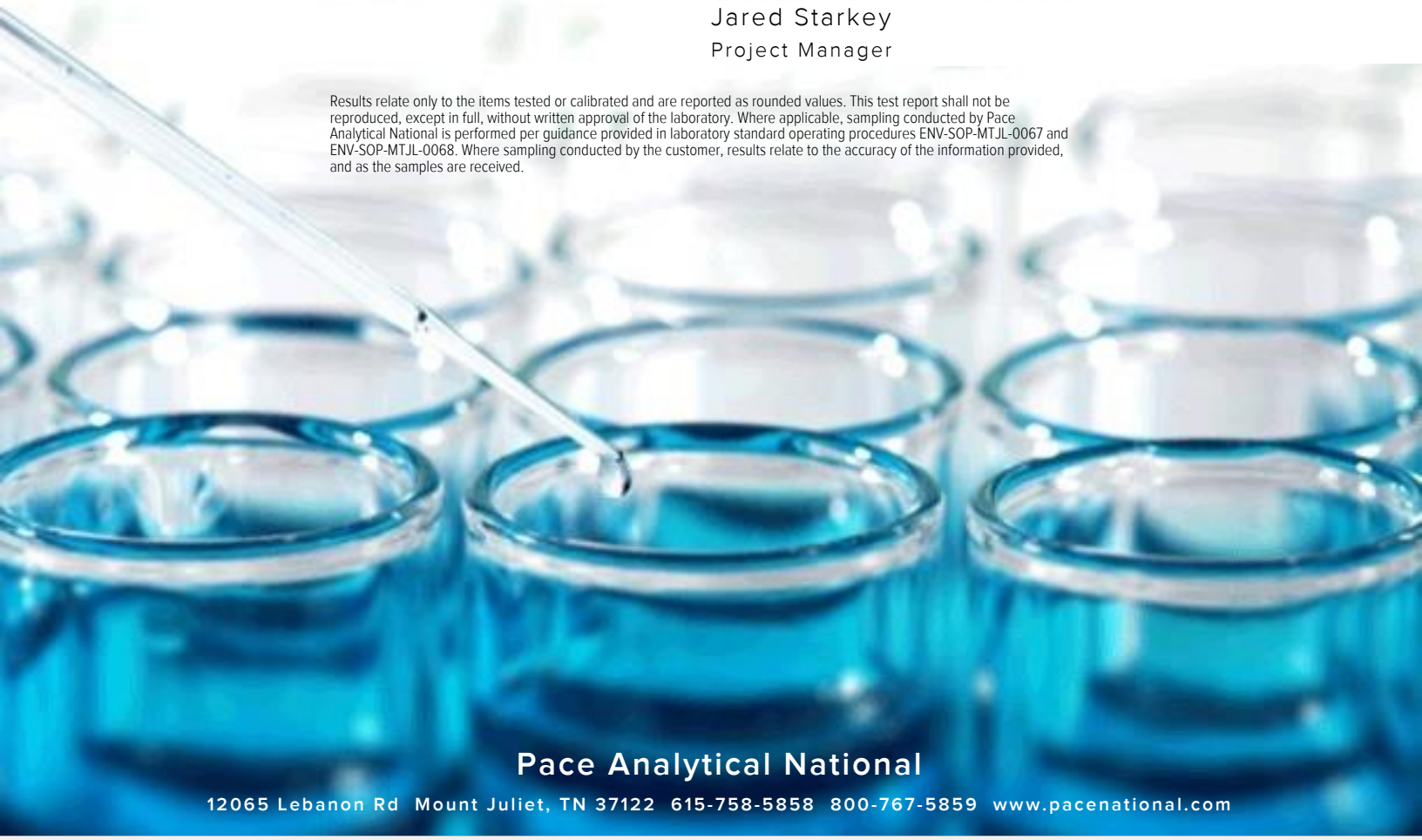
PES Environmental, Inc.- WA

Sample Delivery Group:	L1473318
Samples Received:	03/19/2022
Project Number:	
Description:	American Linen
Report To:	Brian O'Neal/Bill Haldeman 2101 Fourth Ave., Suite 1310 Seattle, WA 98121

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace 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.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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IWS-07-40.5 L1473318-01 Solid

Collected by: Ben Hecht | Collected date/time: 03/14/22 13:35 | Received date/time: 03/19/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1835611	1	03/22/22 06:28	03/22/22 06:28	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1836010	1	03/14/22 13:35	03/22/22 13:42	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1836615	10	03/14/22 13:35	03/22/22 23:07	BMB	Mt. Juliet, TN

IWS-06-45.5 L1473318-02 Solid

Collected by: Ben Hecht | Collected date/time: 03/15/22 12:10 | Received date/time: 03/19/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1835611	1	03/22/22 06:28	03/22/22 06:28	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1836010	1	03/15/22 12:10	03/22/22 18:09	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1837529	20	03/15/22 12:10	03/25/22 00:52	ACG	Mt. Juliet, TN

IWS-05-46 L1473318-03 Solid

Collected by: Ben Hecht | Collected date/time: 03/16/22 09:40 | Received date/time: 03/19/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1835611	1	03/22/22 06:28	03/22/22 06:28	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1836010	1	03/16/22 09:40	03/22/22 18:28	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1837529	1	03/16/22 09:40	03/25/22 00:31	ACG	Mt. Juliet, TN

IWS-01-48.5 L1473318-04 Solid

Collected by: Ben Hecht | Collected date/time: 03/16/22 16:00 | Received date/time: 03/19/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1835611	1	03/22/22 06:28	03/22/22 06:28	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1836010	1	03/16/22 16:00	03/22/22 18:47	BMB	Mt. Juliet, TN

IWS-04-51 L1473318-05 Solid

Collected by: Ben Hecht | Collected date/time: 03/17/22 14:00 | Received date/time: 03/19/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1835612	1	03/22/22 10:45	03/22/22 10:59	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1836681	1	03/17/22 14:00	03/24/22 07:23	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1837807	4	03/17/22 14:00	03/25/22 00:09	ACG	Mt. Juliet, TN

IWS-08-68 L1473318-06 Solid

Collected by: Ben Hecht | Collected date/time: 03/18/22 11:30 | Received date/time: 03/19/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1835612	1	03/22/22 10:45	03/22/22 10:59	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1836681	1	03/18/22 11:30	03/24/22 07:42	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1837807	1	03/18/22 11:30	03/24/22 23:48	ACG	Mt. Juliet, TN

CASE NARRATIVE

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

Jared Starkey
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.0		1	03/22/2022 06:28	WG1835611

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0440	0.0602	1	03/22/2022 13:42	WG1836010
Acrylonitrile	U		0.00435	0.0151	1	03/22/2022 13:42	WG1836010
Benzene	U		0.000563	0.00120	1	03/22/2022 13:42	WG1836010
Bromobenzene	U		0.00108	0.0151	1	03/22/2022 13:42	WG1836010
Bromodichloromethane	U		0.000873	0.00301	1	03/22/2022 13:42	WG1836010
Bromochloromethane	U		0.000679	0.00602	1	03/22/2022 13:42	WG1836010
Bromoform	U		0.00141	0.0301	1	03/22/2022 13:42	WG1836010
Bromomethane	U		0.00237	0.0151	1	03/22/2022 13:42	WG1836010
n-Butylbenzene	U		0.00632	0.0151	1	03/22/2022 13:42	WG1836010
sec-Butylbenzene	U		0.00347	0.0151	1	03/22/2022 13:42	WG1836010
tert-Butylbenzene	U		0.00235	0.00602	1	03/22/2022 13:42	WG1836010
Carbon disulfide	U		0.000843	0.0151	1	03/22/2022 13:42	WG1836010
Carbon tetrachloride	U		0.00108	0.00602	1	03/22/2022 13:42	WG1836010
Chlorobenzene	U		0.000253	0.00301	1	03/22/2022 13:42	WG1836010
Chlorodibromomethane	U		0.000737	0.00301	1	03/22/2022 13:42	WG1836010
Chloroethane	U		0.00205	0.00602	1	03/22/2022 13:42	WG1836010
Chloroform	U		0.00124	0.00301	1	03/22/2022 13:42	WG1836010
Chloromethane	U		0.00524	0.0151	1	03/22/2022 13:42	WG1836010
2-Chlorotoluene	U		0.00104	0.00301	1	03/22/2022 13:42	WG1836010
4-Chlorotoluene	U		0.000542	0.00602	1	03/22/2022 13:42	WG1836010
1,2-Dibromo-3-Chloropropane	U		0.00470	0.0301	1	03/22/2022 13:42	WG1836010
1,2-Dibromoethane	U		0.000781	0.00301	1	03/22/2022 13:42	WG1836010
Dibromomethane	U		0.000903	0.00602	1	03/22/2022 13:42	WG1836010
1,2-Dichlorobenzene	U		0.000512	0.00602	1	03/22/2022 13:42	WG1836010
1,3-Dichlorobenzene	U		0.000723	0.00602	1	03/22/2022 13:42	WG1836010
1,4-Dichlorobenzene	U		0.000843	0.00602	1	03/22/2022 13:42	WG1836010
Dichlorodifluoromethane	U		0.00194	0.00301	1	03/22/2022 13:42	WG1836010
1,1-Dichloroethane	U		0.000591	0.00301	1	03/22/2022 13:42	WG1836010
1,2-Dichloroethane	U	J4	0.000782	0.00301	1	03/22/2022 13:42	WG1836010
1,1-Dichloroethene	0.00980	C5 J4	0.000730	0.00301	1	03/22/2022 13:42	WG1836010
cis-1,2-Dichloroethene	4.14		0.00884	0.0301	10	03/22/2022 23:07	WG1836615
trans-1,2-Dichloroethene	0.0100		0.00125	0.00602	1	03/22/2022 13:42	WG1836010
1,2-Dichloropropane	U		0.00171	0.00602	1	03/22/2022 13:42	WG1836010
1,1-Dichloropropene	U	J4	0.000974	0.00301	1	03/22/2022 13:42	WG1836010
1,3-Dichloropropane	U		0.000603	0.00602	1	03/22/2022 13:42	WG1836010
cis-1,3-Dichloropropene	U		0.000912	0.00301	1	03/22/2022 13:42	WG1836010
trans-1,3-Dichloropropene	U		0.00137	0.00602	1	03/22/2022 13:42	WG1836010
trans-1,4-Dichloro-2-butene	U		0.00224	0.00602	1	03/22/2022 13:42	WG1836010
2,2-Dichloropropane	U		0.00166	0.00301	1	03/22/2022 13:42	WG1836010
Di-isopropyl ether	U		0.000494	0.00120	1	03/22/2022 13:42	WG1836010
Ethylbenzene	U		0.000888	0.00301	1	03/22/2022 13:42	WG1836010
Hexachloro-1,3-butadiene	U		0.00723	0.0301	1	03/22/2022 13:42	WG1836010
2-Hexanone	U		0.00405	0.0301	1	03/22/2022 13:42	WG1836010
n-Hexane	U		0.00272	0.00602	1	03/22/2022 13:42	WG1836010
Iodomethane	U		0.00279	0.0151	1	03/22/2022 13:42	WG1836010
Isopropylbenzene	U		0.000512	0.00301	1	03/22/2022 13:42	WG1836010
p-Isopropyltoluene	U		0.00307	0.00602	1	03/22/2022 13:42	WG1836010
2-Butanone (MEK)	U		0.0765	0.120	1	03/22/2022 13:42	WG1836010
Methylene Chloride	U		0.00800	0.0301	1	03/22/2022 13:42	WG1836010
4-Methyl-2-pentanone (MIBK)	U		0.00275	0.0301	1	03/22/2022 13:42	WG1836010

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000422	0.00120	1	03/22/2022 13:42	WG1836010
Naphthalene	U		0.00588	0.0151	1	03/22/2022 13:42	WG1836010
n-Propylbenzene	U		0.00114	0.00602	1	03/22/2022 13:42	WG1836010
Styrene	U		0.000276	0.0151	1	03/22/2022 13:42	WG1836010
1,1,1,2-Tetrachloroethane	U		0.00114	0.00301	1	03/22/2022 13:42	WG1836010
1,1,2,2-Tetrachloroethane	U		0.000837	0.00301	1	03/22/2022 13:42	WG1836010
1,1,2-Trichlorotrifluoroethane	U		0.000908	0.00301	1	03/22/2022 13:42	WG1836010
Tetrachloroethene	1.37		0.00108	0.00301	1	03/22/2022 13:42	WG1836010
Toluene	U		0.00157	0.00602	1	03/22/2022 13:42	WG1836010
1,2,3-Trichlorobenzene	U	C4 J4	0.00883	0.0151	1	03/22/2022 13:42	WG1836010
1,2,4-Trichlorobenzene	U	C4	0.00530	0.0151	1	03/22/2022 13:42	WG1836010
1,1,1-Trichloroethane	U		0.00111	0.00301	1	03/22/2022 13:42	WG1836010
1,1,2-Trichloroethane	U		0.000719	0.00301	1	03/22/2022 13:42	WG1836010
Trichloroethene	0.211		0.000703	0.00120	1	03/22/2022 13:42	WG1836010
Trichlorofluoromethane	U		0.000996	0.00301	1	03/22/2022 13:42	WG1836010
1,2,3-Trichloropropane	U		0.00195	0.0151	1	03/22/2022 13:42	WG1836010
1,2,4-Trimethylbenzene	U		0.00190	0.00602	1	03/22/2022 13:42	WG1836010
1,2,3-Trimethylbenzene	U		0.00190	0.00602	1	03/22/2022 13:42	WG1836010
1,3,5-Trimethylbenzene	U		0.00241	0.00602	1	03/22/2022 13:42	WG1836010
Vinyl acetate	U	J4	0.00306	0.0151	1	03/22/2022 13:42	WG1836010
Vinyl chloride	1.18		0.00140	0.00301	1	03/22/2022 13:42	WG1836010
Xylenes, Total	U		0.00106	0.00783	1	03/22/2022 13:42	WG1836010
(S) Toluene-d8	*97.8*			*75.0-131*		*03/22/2022 13:42*	WG1836010
(S) Toluene-d8	*102*			*75.0-131*		*03/22/2022 23:07*	WG1836615
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*03/22/2022 13:42*	WG1836010
(S) 4-Bromofluorobenzene	*99.5*			*67.0-138*		*03/22/2022 23:07*	WG1836615
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*		*03/22/2022 13:42*	WG1836010
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*03/22/2022 23:07*	WG1836615

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.5		1	03/22/2022 06:28	WG1835611

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0544	0.0745	1	03/22/2022 18:09	WG1836010
Acrylonitrile	U		0.00538	0.0186	1	03/22/2022 18:09	WG1836010
Benzene	U		0.000696	0.00149	1	03/22/2022 18:09	WG1836010
Bromobenzene	U		0.00134	0.0186	1	03/22/2022 18:09	WG1836010
Bromodichloromethane	U		0.00108	0.00372	1	03/22/2022 18:09	WG1836010
Bromochloromethane	U		0.000840	0.00745	1	03/22/2022 18:09	WG1836010
Bromoform	U		0.00174	0.0372	1	03/22/2022 18:09	WG1836010
Bromomethane	U		0.00294	0.0186	1	03/22/2022 18:09	WG1836010
n-Butylbenzene	U		0.00782	0.0186	1	03/22/2022 18:09	WG1836010
sec-Butylbenzene	U		0.00429	0.0186	1	03/22/2022 18:09	WG1836010
tert-Butylbenzene	U		0.00291	0.00745	1	03/22/2022 18:09	WG1836010
Carbon disulfide	U		0.00104	0.0186	1	03/22/2022 18:09	WG1836010
Carbon tetrachloride	U		0.00134	0.00745	1	03/22/2022 18:09	WG1836010
Chlorobenzene	U		0.000313	0.00372	1	03/22/2022 18:09	WG1836010
Chlorodibromomethane	U		0.000912	0.00372	1	03/22/2022 18:09	WG1836010
Chloroethane	U		0.00253	0.00745	1	03/22/2022 18:09	WG1836010
Chloroform	U		0.00153	0.00372	1	03/22/2022 18:09	WG1836010
Chloromethane	U		0.00648	0.0186	1	03/22/2022 18:09	WG1836010
2-Chlorotoluene	U		0.00129	0.00372	1	03/22/2022 18:09	WG1836010
4-Chlorotoluene	U		0.000670	0.00745	1	03/22/2022 18:09	WG1836010
1,2-Dibromo-3-Chloropropane	U		0.00581	0.0372	1	03/22/2022 18:09	WG1836010
1,2-Dibromoethane	U		0.000965	0.00372	1	03/22/2022 18:09	WG1836010
Dibromomethane	U		0.00112	0.00745	1	03/22/2022 18:09	WG1836010
1,2-Dichlorobenzene	U		0.000633	0.00745	1	03/22/2022 18:09	WG1836010
1,3-Dichlorobenzene	U		0.000894	0.00745	1	03/22/2022 18:09	WG1836010
1,4-Dichlorobenzene	U		0.00104	0.00745	1	03/22/2022 18:09	WG1836010
Dichlorodifluoromethane	U		0.00240	0.00372	1	03/22/2022 18:09	WG1836010
1,1-Dichloroethane	U		0.000732	0.00372	1	03/22/2022 18:09	WG1836010
1,2-Dichloroethane	0.0226	C5 J4	0.000967	0.00372	1	03/22/2022 18:09	WG1836010
1,1-Dichloroethene	0.0259	C5 J4	0.000903	0.00372	1	03/22/2022 18:09	WG1836010
cis-1,2-Dichloroethene	12.6		0.0219	0.0745	20	03/25/2022 00:52	WG1837529
trans-1,2-Dichloroethene	0.0633		0.00155	0.00745	1	03/22/2022 18:09	WG1836010
1,2-Dichloropropane	U		0.00212	0.00745	1	03/22/2022 18:09	WG1836010
1,1-Dichloropropene	U	J4	0.00121	0.00372	1	03/22/2022 18:09	WG1836010
1,3-Dichloropropane	U		0.000746	0.00745	1	03/22/2022 18:09	WG1836010
cis-1,3-Dichloropropene	U		0.00113	0.00372	1	03/22/2022 18:09	WG1836010
trans-1,3-Dichloropropene	U		0.00170	0.00745	1	03/22/2022 18:09	WG1836010
trans-1,4-Dichloro-2-butene	U		0.00277	0.00745	1	03/22/2022 18:09	WG1836010
2,2-Dichloropropane	U		0.00206	0.00372	1	03/22/2022 18:09	WG1836010
Di-isopropyl ether	U		0.000611	0.00149	1	03/22/2022 18:09	WG1836010
Ethylbenzene	U		0.00110	0.00372	1	03/22/2022 18:09	WG1836010
Hexachloro-1,3-butadiene	U		0.00894	0.0372	1	03/22/2022 18:09	WG1836010
2-Hexanone	U		0.00501	0.0372	1	03/22/2022 18:09	WG1836010
n-Hexane	U		0.00337	0.00745	1	03/22/2022 18:09	WG1836010
Iodomethane	U		0.00346	0.0186	1	03/22/2022 18:09	WG1836010
Isopropylbenzene	U		0.000633	0.00372	1	03/22/2022 18:09	WG1836010
p-Isopropyltoluene	U		0.00380	0.00745	1	03/22/2022 18:09	WG1836010
2-Butanone (MEK)	U		0.0946	0.149	1	03/22/2022 18:09	WG1836010
Methylene Chloride	U	C3	0.00989	0.0372	1	03/22/2022 18:09	WG1836010
4-Methyl-2-pentanone (MIBK)	U		0.00340	0.0372	1	03/22/2022 18:09	WG1836010

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000521	0.00149	1	03/22/2022 18:09	WG1836010
Naphthalene	U		0.00727	0.0186	1	03/22/2022 18:09	WG1836010
n-Propylbenzene	U		0.00142	0.00745	1	03/22/2022 18:09	WG1836010
Styrene	U		0.000341	0.0186	1	03/22/2022 18:09	WG1836010
1,1,1,2-Tetrachloroethane	U		0.00141	0.00372	1	03/22/2022 18:09	WG1836010
1,1,2,2-Tetrachloroethane	U		0.00104	0.00372	1	03/22/2022 18:09	WG1836010
1,1,2-Trichlorotrifluoroethane	U		0.00112	0.00372	1	03/22/2022 18:09	WG1836010
Tetrachloroethene	6.06		0.0267	0.0745	20	03/25/2022 00:52	WG1837529
Toluene	0.00215	J	0.00194	0.00745	1	03/22/2022 18:09	WG1836010
1,2,3-Trichlorobenzene	U	C4 J4	0.0109	0.0186	1	03/22/2022 18:09	WG1836010
1,2,4-Trichlorobenzene	U		0.00656	0.0186	1	03/22/2022 18:09	WG1836010
1,1,1-Trichloroethane	U		0.00138	0.00372	1	03/22/2022 18:09	WG1836010
1,1,2-Trichloroethane	U		0.000889	0.00372	1	03/22/2022 18:09	WG1836010
Trichloroethene	0.444		0.000870	0.00149	1	03/22/2022 18:09	WG1836010
Trichlorofluoromethane	U		0.00123	0.00372	1	03/22/2022 18:09	WG1836010
1,2,3-Trichloropropane	U		0.00241	0.0186	1	03/22/2022 18:09	WG1836010
1,2,4-Trimethylbenzene	U		0.00235	0.00745	1	03/22/2022 18:09	WG1836010
1,2,3-Trimethylbenzene	U		0.00235	0.00745	1	03/22/2022 18:09	WG1836010
1,3,5-Trimethylbenzene	U		0.00298	0.00745	1	03/22/2022 18:09	WG1836010
Vinyl acetate	U	J4	0.00378	0.0186	1	03/22/2022 18:09	WG1836010
Vinyl chloride	0.888		0.0346	0.0745	20	03/25/2022 00:52	WG1837529
Xylenes, Total	0.00296	J	0.00131	0.00968	1	03/22/2022 18:09	WG1836010
(S) Toluene-d8	*92.8*			*75.0-131*		*03/22/2022 18:09*	WG1836010
(S) Toluene-d8	*99.3*			*75.0-131*		*03/25/2022 00:52*	WG1837529
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*03/22/2022 18:09*	WG1836010
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*03/25/2022 00:52*	WG1837529
(S) 1,2-Dichloroethane-d4	*122*			*70.0-130*		*03/22/2022 18:09*	WG1836010
(S) 1,2-Dichloroethane-d4	*94.4*			*70.0-130*		*03/25/2022 00:52*	WG1837529

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.6		1	03/22/2022 06:28	WG1835611

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0475	0.0651	1	03/22/2022 18:28	WG1836010
Acrylonitrile	U		0.00470	0.0163	1	03/22/2022 18:28	WG1836010
Benzene	U		0.000608	0.00130	1	03/22/2022 18:28	WG1836010
Bromobenzene	U		0.00117	0.0163	1	03/22/2022 18:28	WG1836010
Bromodichloromethane	U		0.000944	0.00325	1	03/22/2022 18:28	WG1836010
Bromochloromethane	U		0.000734	0.00651	1	03/22/2022 18:28	WG1836010
Bromoform	U		0.00152	0.0325	1	03/22/2022 18:28	WG1836010
Bromomethane	U		0.00256	0.0163	1	03/22/2022 18:28	WG1836010
n-Butylbenzene	U		0.00683	0.0163	1	03/22/2022 18:28	WG1836010
sec-Butylbenzene	U		0.00375	0.0163	1	03/22/2022 18:28	WG1836010
tert-Butylbenzene	U		0.00254	0.00651	1	03/22/2022 18:28	WG1836010
Carbon disulfide	U		0.000911	0.0163	1	03/22/2022 18:28	WG1836010
Carbon tetrachloride	U		0.00117	0.00651	1	03/22/2022 18:28	WG1836010
Chlorobenzene	U		0.000273	0.00325	1	03/22/2022 18:28	WG1836010
Chlorodibromomethane	U		0.000797	0.00325	1	03/22/2022 18:28	WG1836010
Chloroethane	U		0.00221	0.00651	1	03/22/2022 18:28	WG1836010
Chloroform	U		0.00134	0.00325	1	03/22/2022 18:28	WG1836010
Chloromethane	U		0.00566	0.0163	1	03/22/2022 18:28	WG1836010
2-Chlorotoluene	U		0.00113	0.00325	1	03/22/2022 18:28	WG1836010
4-Chlorotoluene	U		0.000586	0.00651	1	03/22/2022 18:28	WG1836010
1,2-Dibromo-3-Chloropropane	U		0.00508	0.0325	1	03/22/2022 18:28	WG1836010
1,2-Dibromoethane	U		0.000844	0.00325	1	03/22/2022 18:28	WG1836010
Dibromomethane	U		0.000976	0.00651	1	03/22/2022 18:28	WG1836010
1,2-Dichlorobenzene	U		0.000553	0.00651	1	03/22/2022 18:28	WG1836010
1,3-Dichlorobenzene	U		0.000781	0.00651	1	03/22/2022 18:28	WG1836010
1,4-Dichlorobenzene	U		0.000911	0.00651	1	03/22/2022 18:28	WG1836010
Dichlorodifluoromethane	U		0.00210	0.00325	1	03/22/2022 18:28	WG1836010
1,1-Dichloroethane	U		0.000639	0.00325	1	03/22/2022 18:28	WG1836010
1,2-Dichloroethane	U	J4	0.000845	0.00325	1	03/22/2022 18:28	WG1836010
1,1-Dichloroethene	U	J4	0.000789	0.00325	1	03/22/2022 18:28	WG1836010
cis-1,2-Dichloroethene	0.913		0.000955	0.00325	1	03/25/2022 00:31	WG1837529
trans-1,2-Dichloroethene	0.00573	J	0.00135	0.00651	1	03/22/2022 18:28	WG1836010
1,2-Dichloropropane	U		0.00185	0.00651	1	03/22/2022 18:28	WG1836010
1,1-Dichloropropene	U	J4	0.00105	0.00325	1	03/22/2022 18:28	WG1836010
1,3-Dichloropropane	U		0.000652	0.00651	1	03/22/2022 18:28	WG1836010
cis-1,3-Dichloropropene	U		0.000985	0.00325	1	03/22/2022 18:28	WG1836010
trans-1,3-Dichloropropene	U		0.00148	0.00651	1	03/22/2022 18:28	WG1836010
trans-1,4-Dichloro-2-butene	U		0.00242	0.00651	1	03/22/2022 18:28	WG1836010
2,2-Dichloropropane	U		0.00180	0.00325	1	03/22/2022 18:28	WG1836010
Di-isopropyl ether	U		0.000534	0.00130	1	03/22/2022 18:28	WG1836010
Ethylbenzene	U		0.000959	0.00325	1	03/22/2022 18:28	WG1836010
Hexachloro-1,3-butadiene	U		0.00781	0.0325	1	03/22/2022 18:28	WG1836010
2-Hexanone	U		0.00437	0.0325	1	03/22/2022 18:28	WG1836010
n-Hexane	U		0.00294	0.00651	1	03/22/2022 18:28	WG1836010
Iodomethane	U		0.00302	0.0163	1	03/22/2022 18:28	WG1836010
Isopropylbenzene	U		0.000553	0.00325	1	03/22/2022 18:28	WG1836010
p-Isopropyltoluene	U		0.00332	0.00651	1	03/22/2022 18:28	WG1836010
2-Butanone (MEK)	U		0.0827	0.130	1	03/22/2022 18:28	WG1836010
Methylene Chloride	U	C3	0.00864	0.0325	1	03/22/2022 18:28	WG1836010
4-Methyl-2-pentanone (MIBK)	U		0.00297	0.0325	1	03/22/2022 18:28	WG1836010

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000456	0.00130	1	03/22/2022 18:28	WG1836010
Naphthalene	U		0.00635	0.0163	1	03/22/2022 18:28	WG1836010
n-Propylbenzene	U		0.00124	0.00651	1	03/22/2022 18:28	WG1836010
Styrene	U		0.000298	0.0163	1	03/22/2022 18:28	WG1836010
1,1,1,2-Tetrachloroethane	U		0.00123	0.00325	1	03/22/2022 18:28	WG1836010
1,1,2,2-Tetrachloroethane	U		0.000905	0.00325	1	03/22/2022 18:28	WG1836010
1,1,2-Trichlorotrifluoroethane	U		0.000982	0.00325	1	03/22/2022 18:28	WG1836010
Tetrachloroethene	0.280		0.00117	0.00325	1	03/25/2022 00:31	WG1837529
Toluene	U		0.00169	0.00651	1	03/22/2022 18:28	WG1836010
1,2,3-Trichlorobenzene	U	C4 J4	0.00954	0.0163	1	03/22/2022 18:28	WG1836010
1,2,4-Trichlorobenzene	U		0.00573	0.0163	1	03/22/2022 18:28	WG1836010
1,1,1-Trichloroethane	U		0.00120	0.00325	1	03/22/2022 18:28	WG1836010
1,1,2-Trichloroethane	U		0.000777	0.00325	1	03/22/2022 18:28	WG1836010
Trichloroethene	0.0215		0.000760	0.00130	1	03/22/2022 18:28	WG1836010
Trichlorofluoromethane	U		0.00108	0.00325	1	03/22/2022 18:28	WG1836010
1,2,3-Trichloropropane	U		0.00211	0.0163	1	03/22/2022 18:28	WG1836010
1,2,4-Trimethylbenzene	U		0.00206	0.00651	1	03/22/2022 18:28	WG1836010
1,2,3-Trimethylbenzene	U		0.00206	0.00651	1	03/22/2022 18:28	WG1836010
1,3,5-Trimethylbenzene	U		0.00260	0.00651	1	03/22/2022 18:28	WG1836010
Vinyl acetate	U	J4	0.00331	0.0163	1	03/22/2022 18:28	WG1836010
Vinyl chloride	0.0948		0.00151	0.00325	1	03/25/2022 00:31	WG1837529
Xylenes, Total	U		0.00115	0.00846	1	03/22/2022 18:28	WG1836010
(S) Toluene-d8	*98.1*			*75.0-131*		*03/22/2022 18:28*	WG1836010
(S) Toluene-d8	*98.6*			*75.0-131*		*03/25/2022 00:31*	WG1837529
(S) 4-Bromofluorobenzene	*97.9*			*67.0-138*		*03/22/2022 18:28*	WG1836010
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*03/25/2022 00:31*	WG1837529
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*03/22/2022 18:28*	WG1836010
(S) 1,2-Dichloroethane-d4	*96.4*			*70.0-130*		*03/25/2022 00:31*	WG1837529

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.0		1	03/22/2022 06:28	WG1835611

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0513	0.0703	1	03/22/2022 18:47	WG1836010
Acrylonitrile	U		0.00508	0.0176	1	03/22/2022 18:47	WG1836010
Benzene	U		0.000657	0.00141	1	03/22/2022 18:47	WG1836010
Bromobenzene	U		0.00127	0.0176	1	03/22/2022 18:47	WG1836010
Bromodichloromethane	U		0.00102	0.00352	1	03/22/2022 18:47	WG1836010
Bromochloromethane	U		0.000793	0.00703	1	03/22/2022 18:47	WG1836010
Bromoform	U		0.00165	0.0352	1	03/22/2022 18:47	WG1836010
Bromomethane	U		0.00277	0.0176	1	03/22/2022 18:47	WG1836010
n-Butylbenzene	U		0.00739	0.0176	1	03/22/2022 18:47	WG1836010
sec-Butylbenzene	U		0.00405	0.0176	1	03/22/2022 18:47	WG1836010
tert-Butylbenzene	U		0.00274	0.00703	1	03/22/2022 18:47	WG1836010
Carbon disulfide	U		0.000985	0.0176	1	03/22/2022 18:47	WG1836010
Carbon tetrachloride	U		0.00126	0.00703	1	03/22/2022 18:47	WG1836010
Chlorobenzene	U		0.000295	0.00352	1	03/22/2022 18:47	WG1836010
Chlorodibromomethane	U		0.000861	0.00352	1	03/22/2022 18:47	WG1836010
Chloroethane	U		0.00239	0.00703	1	03/22/2022 18:47	WG1836010
Chloroform	U		0.00145	0.00352	1	03/22/2022 18:47	WG1836010
Chloromethane	U		0.00612	0.0176	1	03/22/2022 18:47	WG1836010
2-Chlorotoluene	U		0.00122	0.00352	1	03/22/2022 18:47	WG1836010
4-Chlorotoluene	U		0.000633	0.00703	1	03/22/2022 18:47	WG1836010
1,2-Dibromo-3-Chloropropane	U		0.00549	0.0352	1	03/22/2022 18:47	WG1836010
1,2-Dibromoethane	U		0.000912	0.00352	1	03/22/2022 18:47	WG1836010
Dibromomethane	U		0.00106	0.00703	1	03/22/2022 18:47	WG1836010
1,2-Dichlorobenzene	U		0.000598	0.00703	1	03/22/2022 18:47	WG1836010
1,3-Dichlorobenzene	U		0.000844	0.00703	1	03/22/2022 18:47	WG1836010
1,4-Dichlorobenzene	U		0.000985	0.00703	1	03/22/2022 18:47	WG1836010
Dichlorodifluoromethane	U		0.00227	0.00352	1	03/22/2022 18:47	WG1836010
1,1-Dichloroethane	U		0.000691	0.00352	1	03/22/2022 18:47	WG1836010
1,2-Dichloroethane	U	J4	0.000913	0.00352	1	03/22/2022 18:47	WG1836010
1,1-Dichloroethene	0.00419	C5 J4	0.000853	0.00352	1	03/22/2022 18:47	WG1836010
cis-1,2-Dichloroethene	1.77		0.00103	0.00352	1	03/22/2022 18:47	WG1836010
trans-1,2-Dichloroethene	0.00750		0.00146	0.00703	1	03/22/2022 18:47	WG1836010
1,2-Dichloropropane	U		0.00200	0.00703	1	03/22/2022 18:47	WG1836010
1,1-Dichloropropene	U	J4	0.00114	0.00352	1	03/22/2022 18:47	WG1836010
1,3-Dichloropropane	U		0.000705	0.00703	1	03/22/2022 18:47	WG1836010
cis-1,3-Dichloropropene	U		0.00106	0.00352	1	03/22/2022 18:47	WG1836010
trans-1,3-Dichloropropene	U		0.00160	0.00703	1	03/22/2022 18:47	WG1836010
trans-1,4-Dichloro-2-butene	U		0.00262	0.00703	1	03/22/2022 18:47	WG1836010
2,2-Dichloropropane	U		0.00194	0.00352	1	03/22/2022 18:47	WG1836010
Di-isopropyl ether	U		0.000577	0.00141	1	03/22/2022 18:47	WG1836010
Ethylbenzene	U		0.00104	0.00352	1	03/22/2022 18:47	WG1836010
Hexachloro-1,3-butadiene	U		0.00844	0.0352	1	03/22/2022 18:47	WG1836010
2-Hexanone	U		0.00473	0.0352	1	03/22/2022 18:47	WG1836010
n-Hexane	U		0.00318	0.00703	1	03/22/2022 18:47	WG1836010
Iodomethane	U		0.00326	0.0176	1	03/22/2022 18:47	WG1836010
Isopropylbenzene	U		0.000598	0.00352	1	03/22/2022 18:47	WG1836010
p-Isopropyltoluene	U		0.00359	0.00703	1	03/22/2022 18:47	WG1836010
2-Butanone (MEK)	U		0.0893	0.141	1	03/22/2022 18:47	WG1836010
Methylene Chloride	U	C3	0.00934	0.0352	1	03/22/2022 18:47	WG1836010
4-Methyl-2-pentanone (MIBK)	U		0.00321	0.0352	1	03/22/2022 18:47	WG1836010

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 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000492	0.00141	1	03/22/2022 18:47	WG1836010
Naphthalene	U		0.00687	0.0176	1	03/22/2022 18:47	WG1836010
n-Propylbenzene	U		0.00134	0.00703	1	03/22/2022 18:47	WG1836010
Styrene	U		0.000322	0.0176	1	03/22/2022 18:47	WG1836010
1,1,1,2-Tetrachloroethane	U		0.00133	0.00352	1	03/22/2022 18:47	WG1836010
1,1,2,2-Tetrachloroethane	U		0.000978	0.00352	1	03/22/2022 18:47	WG1836010
1,1,2-Trichlorotrifluoroethane	U		0.00106	0.00352	1	03/22/2022 18:47	WG1836010
Tetrachloroethene	0.294		0.00126	0.00352	1	03/22/2022 18:47	WG1836010
Toluene	U		0.00183	0.00703	1	03/22/2022 18:47	WG1836010
1,2,3-Trichlorobenzene	U	C4 J4	0.0103	0.0176	1	03/22/2022 18:47	WG1836010
1,2,4-Trichlorobenzene	U		0.00619	0.0176	1	03/22/2022 18:47	WG1836010
1,1,1-Trichloroethane	U		0.00130	0.00352	1	03/22/2022 18:47	WG1836010
1,1,2-Trichloroethane	U		0.000840	0.00352	1	03/22/2022 18:47	WG1836010
Trichloroethene	0.155		0.000822	0.00141	1	03/22/2022 18:47	WG1836010
Trichlorofluoromethane	U		0.00116	0.00352	1	03/22/2022 18:47	WG1836010
1,2,3-Trichloropropane	U		0.00228	0.0176	1	03/22/2022 18:47	WG1836010
1,2,4-Trimethylbenzene	U		0.00222	0.00703	1	03/22/2022 18:47	WG1836010
1,2,3-Trimethylbenzene	U		0.00222	0.00703	1	03/22/2022 18:47	WG1836010
1,3,5-Trimethylbenzene	U		0.00281	0.00703	1	03/22/2022 18:47	WG1836010
Vinyl acetate	U	J4	0.00357	0.0176	1	03/22/2022 18:47	WG1836010
Vinyl chloride	0.408		0.00163	0.00352	1	03/22/2022 18:47	WG1836010
Xylenes, Total	U		0.00124	0.00914	1	03/22/2022 18:47	WG1836010
(S) Toluene-d8	*98.8*			*75.0-131*		*03/22/2022 18:47*	WG1836010
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*03/22/2022 18:47*	WG1836010
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*		*03/22/2022 18:47*	WG1836010

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.0		1	03/22/2022 10:59	WG1835612

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	C3	0.0514	0.0704	1	03/24/2022 07:23	WG1836681
Acrylonitrile	U	C3	0.00508	0.0176	1	03/24/2022 07:23	WG1836681
Benzene	U		0.000658	0.00141	1	03/24/2022 07:23	WG1836681
Bromobenzene	U		0.00127	0.0176	1	03/24/2022 07:23	WG1836681
Bromodichloromethane	U		0.00102	0.00352	1	03/24/2022 07:23	WG1836681
Bromochloromethane	U		0.000794	0.00704	1	03/24/2022 07:23	WG1836681
Bromoform	U		0.00165	0.0352	1	03/24/2022 07:23	WG1836681
Bromomethane	U	J4	0.00277	0.0176	1	03/24/2022 07:23	WG1836681
n-Butylbenzene	U		0.00739	0.0176	1	03/24/2022 07:23	WG1836681
sec-Butylbenzene	U		0.00406	0.0176	1	03/24/2022 07:23	WG1836681
tert-Butylbenzene	U		0.00275	0.00704	1	03/24/2022 07:23	WG1836681
Carbon disulfide	U		0.000986	0.0176	1	03/24/2022 07:23	WG1836681
Carbon tetrachloride	U		0.00126	0.00704	1	03/24/2022 07:23	WG1836681
Chlorobenzene	U		0.000296	0.00352	1	03/24/2022 07:23	WG1836681
Chlorodibromomethane	U		0.000862	0.00352	1	03/24/2022 07:23	WG1836681
Chloroethane	U	J4	0.00239	0.00704	1	03/24/2022 07:23	WG1836681
Chloroform	U		0.00145	0.00352	1	03/24/2022 07:23	WG1836681
Chloromethane	U		0.00613	0.0176	1	03/24/2022 07:23	WG1836681
2-Chlorotoluene	U		0.00122	0.00352	1	03/24/2022 07:23	WG1836681
4-Chlorotoluene	U		0.000634	0.00704	1	03/24/2022 07:23	WG1836681
1,2-Dibromo-3-Chloropropane	U		0.00549	0.0352	1	03/24/2022 07:23	WG1836681
1,2-Dibromoethane	U		0.000913	0.00352	1	03/24/2022 07:23	WG1836681
Dibromomethane	U		0.00106	0.00704	1	03/24/2022 07:23	WG1836681
1,2-Dichlorobenzene	U		0.000599	0.00704	1	03/24/2022 07:23	WG1836681
1,3-Dichlorobenzene	U		0.000845	0.00704	1	03/24/2022 07:23	WG1836681
1,4-Dichlorobenzene	U		0.000986	0.00704	1	03/24/2022 07:23	WG1836681
Dichlorodifluoromethane	U		0.00227	0.00352	1	03/24/2022 07:23	WG1836681
1,1-Dichloroethane	U		0.000692	0.00352	1	03/24/2022 07:23	WG1836681
1,2-Dichloroethane	U		0.000914	0.00352	1	03/24/2022 07:23	WG1836681
1,1-Dichloroethene	0.00449		0.000854	0.00352	1	03/24/2022 07:23	WG1836681
cis-1,2-Dichloroethene	1.68		0.00103	0.00352	1	03/24/2022 07:23	WG1836681
trans-1,2-Dichloroethene	0.00232	J	0.00146	0.00704	1	03/24/2022 07:23	WG1836681
1,2-Dichloropropane	U		0.00200	0.00704	1	03/24/2022 07:23	WG1836681
1,1-Dichloropropene	U		0.00114	0.00352	1	03/24/2022 07:23	WG1836681
1,3-Dichloropropane	U		0.000706	0.00704	1	03/24/2022 07:23	WG1836681
cis-1,3-Dichloropropene	U		0.00107	0.00352	1	03/24/2022 07:23	WG1836681
trans-1,3-Dichloropropene	U		0.00161	0.00704	1	03/24/2022 07:23	WG1836681
trans-1,4-Dichloro-2-butene	U	C3	0.00262	0.00704	1	03/24/2022 07:23	WG1836681
2,2-Dichloropropane	U		0.00194	0.00352	1	03/24/2022 07:23	WG1836681
Di-isopropyl ether	U	C3 J4	0.000577	0.00141	1	03/24/2022 07:23	WG1836681
Ethylbenzene	U		0.00104	0.00352	1	03/24/2022 07:23	WG1836681
Hexachloro-1,3-butadiene	U		0.00845	0.0352	1	03/24/2022 07:23	WG1836681
2-Hexanone	U		0.00473	0.0352	1	03/24/2022 07:23	WG1836681
n-Hexane	U	C3	0.00318	0.00704	1	03/24/2022 07:23	WG1836681
Iodomethane	U		0.00327	0.0176	1	03/24/2022 07:23	WG1836681
Isopropylbenzene	U		0.000599	0.00352	1	03/24/2022 07:23	WG1836681
p-Isopropyltoluene	U		0.00359	0.00704	1	03/24/2022 07:23	WG1836681
2-Butanone (MEK)	U	C3	0.0894	0.141	1	03/24/2022 07:23	WG1836681
Methylene Chloride	U		0.00935	0.0352	1	03/24/2022 07:23	WG1836681
4-Methyl-2-pentanone (MIBK)	U	C3	0.00321	0.0352	1	03/24/2022 07:23	WG1836681

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000493	0.00141	1	03/24/2022 07:23	WG1836681
Naphthalene	U		0.00687	0.0176	1	03/24/2022 07:23	WG1836681
n-Propylbenzene	U		0.00134	0.00704	1	03/24/2022 07:23	WG1836681
Styrene	U		0.000323	0.0176	1	03/24/2022 07:23	WG1836681
1,1,1,2-Tetrachloroethane	U		0.00134	0.00352	1	03/24/2022 07:23	WG1836681
1,1,2,2-Tetrachloroethane	U		0.000979	0.00352	1	03/24/2022 07:23	WG1836681
1,1,2-Trichlorotrifluoroethane	U		0.00106	0.00352	1	03/24/2022 07:23	WG1836681
Tetrachloroethene	3.39		0.00504	0.0141	4	03/25/2022 00:09	WG1837807
Toluene	U		0.00183	0.00704	1	03/24/2022 07:23	WG1836681
1,2,3-Trichlorobenzene	U	C4	0.0103	0.0176	1	03/24/2022 07:23	WG1836681
1,2,4-Trichlorobenzene	U	C4	0.00620	0.0176	1	03/24/2022 07:23	WG1836681
1,1,1-Trichloroethane	U		0.00130	0.00352	1	03/24/2022 07:23	WG1836681
1,1,2-Trichloroethane	U		0.000841	0.00352	1	03/24/2022 07:23	WG1836681
Trichloroethene	0.648		0.000823	0.00141	1	03/24/2022 07:23	WG1836681
Trichlorofluoromethane	U		0.00116	0.00352	1	03/24/2022 07:23	WG1836681
1,2,3-Trichloropropane	U		0.00228	0.0176	1	03/24/2022 07:23	WG1836681
1,2,4-Trimethylbenzene	U		0.00223	0.00704	1	03/24/2022 07:23	WG1836681
1,2,3-Trimethylbenzene	U		0.00223	0.00704	1	03/24/2022 07:23	WG1836681
1,3,5-Trimethylbenzene	U		0.00282	0.00704	1	03/24/2022 07:23	WG1836681
Vinyl acetate	U	C3	0.00358	0.0176	1	03/24/2022 07:23	WG1836681
Vinyl chloride	0.363		0.00654	0.0141	4	03/25/2022 00:09	WG1837807
Xylenes, Total	U		0.00124	0.00916	1	03/24/2022 07:23	WG1836681
(S) Toluene-d8	*116*			*75.0-131*		*03/24/2022 07:23*	WG1836681
(S) Toluene-d8	*99.1*			*75.0-131*		*03/25/2022 00:09*	WG1837807
(S) 4-Bromofluorobenzene	*93.8*			*67.0-138*		*03/24/2022 07:23*	WG1836681
(S) 4-Bromofluorobenzene	*96.7*			*67.0-138*		*03/25/2022 00:09*	WG1837807
(S) 1,2-Dichloroethane-d4	*95.9*			*70.0-130*		*03/24/2022 07:23*	WG1836681
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*03/25/2022 00:09*	WG1837807

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.9		1	03/22/2022 10:59	WG1835612

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	C3	0.0476	0.0652	1	03/24/2022 07:42	WG1836681
Acrylonitrile	U	C3	0.00471	0.0163	1	03/24/2022 07:42	WG1836681
Benzene	U		0.000609	0.00130	1	03/24/2022 07:42	WG1836681
Bromobenzene	U		0.00117	0.0163	1	03/24/2022 07:42	WG1836681
Bromodichloromethane	U		0.000945	0.00326	1	03/24/2022 07:42	WG1836681
Bromochloromethane	U		0.000736	0.00652	1	03/24/2022 07:42	WG1836681
Bromoform	U		0.00153	0.0326	1	03/24/2022 07:42	WG1836681
Bromomethane	U	J4	0.00257	0.0163	1	03/24/2022 07:42	WG1836681
n-Butylbenzene	U		0.00685	0.0163	1	03/24/2022 07:42	WG1836681
sec-Butylbenzene	U		0.00376	0.0163	1	03/24/2022 07:42	WG1836681
tert-Butylbenzene	U		0.00254	0.00652	1	03/24/2022 07:42	WG1836681
Carbon disulfide	U		0.000913	0.0163	1	03/24/2022 07:42	WG1836681
Carbon tetrachloride	U		0.00117	0.00652	1	03/24/2022 07:42	WG1836681
Chlorobenzene	U		0.000274	0.00326	1	03/24/2022 07:42	WG1836681
Chlorodibromomethane	U		0.000798	0.00326	1	03/24/2022 07:42	WG1836681
Chloroethane	U	J4	0.00222	0.00652	1	03/24/2022 07:42	WG1836681
Chloroform	U		0.00134	0.00326	1	03/24/2022 07:42	WG1836681
Chloromethane	U		0.00567	0.0163	1	03/24/2022 07:42	WG1836681
2-Chlorotoluene	U		0.00113	0.00326	1	03/24/2022 07:42	WG1836681
4-Chlorotoluene	U		0.000587	0.00652	1	03/24/2022 07:42	WG1836681
1,2-Dibromo-3-Chloropropane	U		0.00509	0.0326	1	03/24/2022 07:42	WG1836681
1,2-Dibromoethane	U		0.000845	0.00326	1	03/24/2022 07:42	WG1836681
Dibromomethane	U		0.000978	0.00652	1	03/24/2022 07:42	WG1836681
1,2-Dichlorobenzene	U		0.000554	0.00652	1	03/24/2022 07:42	WG1836681
1,3-Dichlorobenzene	U		0.000782	0.00652	1	03/24/2022 07:42	WG1836681
1,4-Dichlorobenzene	U		0.000913	0.00652	1	03/24/2022 07:42	WG1836681
Dichlorodifluoromethane	U		0.00210	0.00326	1	03/24/2022 07:42	WG1836681
1,1-Dichloroethane	U		0.000640	0.00326	1	03/24/2022 07:42	WG1836681
1,2-Dichloroethane	U		0.000846	0.00326	1	03/24/2022 07:42	WG1836681
1,1-Dichloroethene	U		0.000790	0.00326	1	03/24/2022 07:42	WG1836681
cis-1,2-Dichloroethene	0.00819		0.000957	0.00326	1	03/24/2022 07:42	WG1836681
trans-1,2-Dichloroethene	U		0.00136	0.00652	1	03/24/2022 07:42	WG1836681
1,2-Dichloropropane	U		0.00185	0.00652	1	03/24/2022 07:42	WG1836681
1,1-Dichloropropene	U		0.00106	0.00326	1	03/24/2022 07:42	WG1836681
1,3-Dichloropropane	U		0.000653	0.00652	1	03/24/2022 07:42	WG1836681
cis-1,3-Dichloropropene	U		0.000987	0.00326	1	03/24/2022 07:42	WG1836681
trans-1,3-Dichloropropene	U		0.00149	0.00652	1	03/24/2022 07:42	WG1836681
trans-1,4-Dichloro-2-butene	U	C3	0.00243	0.00652	1	03/24/2022 07:42	WG1836681
2,2-Dichloropropane	U		0.00180	0.00326	1	03/24/2022 07:42	WG1836681
Di-isopropyl ether	U	C3 J4	0.000535	0.00130	1	03/24/2022 07:42	WG1836681
Ethylbenzene	U		0.000961	0.00326	1	03/24/2022 07:42	WG1836681
Hexachloro-1,3-butadiene	U		0.00782	0.0326	1	03/24/2022 07:42	WG1836681
2-Hexanone	U		0.00438	0.0326	1	03/24/2022 07:42	WG1836681
n-Hexane	U	C3	0.00295	0.00652	1	03/24/2022 07:42	WG1836681
Iodomethane	U		0.00303	0.0163	1	03/24/2022 07:42	WG1836681
Isopropylbenzene	U		0.000554	0.00326	1	03/24/2022 07:42	WG1836681
p-Isopropyltoluene	U		0.00333	0.00652	1	03/24/2022 07:42	WG1836681
2-Butanone (MEK)	U	C3	0.0828	0.130	1	03/24/2022 07:42	WG1836681
Methylene Chloride	U		0.00866	0.0326	1	03/24/2022 07:42	WG1836681
4-Methyl-2-pentanone (MIBK)	U	C3	0.00297	0.0326	1	03/24/2022 07:42	WG1836681

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000456	0.00130	1	03/24/2022 07:42	WG1836681
Naphthalene	U		0.00636	0.0163	1	03/24/2022 07:42	WG1836681
n-Propylbenzene	U		0.00124	0.00652	1	03/24/2022 07:42	WG1836681
Styrene	U		0.000299	0.0163	1	03/24/2022 07:42	WG1836681
1,1,1,2-Tetrachloroethane	U		0.00124	0.00326	1	03/24/2022 07:42	WG1836681
1,1,2,2-Tetrachloroethane	U		0.000906	0.00326	1	03/24/2022 07:42	WG1836681
1,1,2-Trichlorotrifluoroethane	U		0.000983	0.00326	1	03/24/2022 07:42	WG1836681
Tetrachloroethene	U		0.00117	0.00326	1	03/24/2022 23:48	WG1837807
Toluene	U		0.00170	0.00652	1	03/24/2022 07:42	WG1836681
1,2,3-Trichlorobenzene	U	C4	0.00956	0.0163	1	03/24/2022 07:42	WG1836681
1,2,4-Trichlorobenzene	U	C4	0.00574	0.0163	1	03/24/2022 07:42	WG1836681
1,1,1-Trichloroethane	U		0.00120	0.00326	1	03/24/2022 07:42	WG1836681
1,1,2-Trichloroethane	U		0.000779	0.00326	1	03/24/2022 07:42	WG1836681
Trichloroethene	0.00266		0.000762	0.00130	1	03/24/2022 07:42	WG1836681
Trichlorofluoromethane	U		0.00108	0.00326	1	03/24/2022 07:42	WG1836681
1,2,3-Trichloropropane	U		0.00211	0.0163	1	03/24/2022 07:42	WG1836681
1,2,4-Trimethylbenzene	U		0.00206	0.00652	1	03/24/2022 07:42	WG1836681
1,2,3-Trimethylbenzene	U		0.00206	0.00652	1	03/24/2022 07:42	WG1836681
1,3,5-Trimethylbenzene	U		0.00261	0.00652	1	03/24/2022 07:42	WG1836681
Vinyl acetate	U	C3	0.00331	0.0163	1	03/24/2022 07:42	WG1836681
Vinyl chloride	U		0.00151	0.00326	1	03/24/2022 23:48	WG1837807
Xylenes, Total	U		0.00115	0.00848	1	03/24/2022 07:42	WG1836681
(S) Toluene-d8	*118*			*75.0-131*		*03/24/2022 07:42*	WG1836681
(S) Toluene-d8	*96.8*			*75.0-131*		*03/24/2022 23:48*	WG1837807
(S) 4-Bromofluorobenzene	*94.1*			*67.0-138*		*03/24/2022 07:42*	WG1836681
(S) 4-Bromofluorobenzene	*97.4*			*67.0-138*		*03/24/2022 23:48*	WG1837807
(S) 1,2-Dichloroethane-d4	*97.7*			*70.0-130*		*03/24/2022 07:42*	WG1836681
(S) 1,2-Dichloroethane-d4	*92.6*			*70.0-130*		*03/24/2022 23:48*	WG1837807

Method Blank (MB)

(MB) R3772873-1 03/22/22 06:28

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

L1473318-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1473318-04 03/22/22 06:28 • (DUP) R3772873-3 03/22/22 06:28

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	85.0	84.3	1	0.823		10

Laboratory Control Sample (LCS)

(LCS) R3772873-2 03/22/22 06:28

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

Method Blank (MB)

(MB) R3772969-1 03/22/22 10:59

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

L1473319-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1473319-05 03/22/22 10:59 • (DUP) R3772969-3 03/22/22 10:59

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	79.2	80.1	1	1.13		10

Laboratory Control Sample (LCS)

(LCS) R3772969-2 03/22/22 10:59

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

Method Blank (MB)

(MB) R3772751-3 03/22/22 10:30

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromochloromethane	U		0.000564	0.00500
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon disulfide	U		0.000700	0.0125
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00250
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
trans-1,4-Dichloro-2-butene	U		0.00186	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100

Method Blank (MB)

(MB) R3772751-3 03/22/22 10:30

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
2-Hexanone	U		0.00336	0.0250
n-Hexane	U		0.00226	0.00500
Iodomethane	U		0.00232	0.0125
Isopropylbenzene	U		0.000425	0.00250
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl acetate	U		0.00254	0.0125
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*97.5*			*75.0-131*
(S) 4-Bromofluorobenzene	*100*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*120*			*70.0-130*

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

(LCS) R3772751-1 03/22/22 09:14 • (LCSD) R3772751-2 03/22/22 09:33

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.772	0.932	124	149	10.0-160			18.8	31
Acrylonitrile	0.625	0.699	0.695	112	111	45.0-153			0.574	22
Benzene	0.125	0.143	0.133	114	106	70.0-123			7.25	20
Bromobenzene	0.125	0.118	0.113	94.4	90.4	73.0-121			4.33	20
Bromodichloromethane	0.125	0.143	0.145	114	116	73.0-121			1.39	20
Bromochloromethane	0.125	0.131	0.127	105	102	77.0-128			3.10	20
Bromoform	0.125	0.105	0.0990	84.0	79.2	64.0-132			5.88	20
Bromomethane	0.125	0.135	0.127	108	102	56.0-147			6.11	20
n-Butylbenzene	0.125	0.139	0.136	111	109	68.0-135			2.18	20
sec-Butylbenzene	0.125	0.128	0.126	102	101	74.0-130			1.57	20
tert-Butylbenzene	0.125	0.120	0.119	96.0	95.2	75.0-127			0.837	20
Carbon disulfide	0.125	0.143	0.132	114	106	56.0-133			8.00	20
Carbon tetrachloride	0.125	0.122	0.135	97.6	108	66.0-128			10.1	20
Chlorobenzene	0.125	0.119	0.111	95.2	88.8	76.0-128			6.96	20
Chlorodibromomethane	0.125	0.118	0.111	94.4	88.8	74.0-127			6.11	20
Chloroethane	0.125	0.148	0.135	118	108	61.0-134			9.19	20
Chloroform	0.125	0.147	0.137	118	110	72.0-123			7.04	20
Chloromethane	0.125	0.148	0.142	118	114	51.0-138			4.14	20
2-Chlorotoluene	0.125	0.120	0.119	96.0	95.2	75.0-124			0.837	20
4-Chlorotoluene	0.125	0.133	0.130	106	104	75.0-124			2.28	20
1,2-Dibromo-3-Chloropropane	0.125	0.112	0.108	89.6	86.4	59.0-130			3.64	20
1,2-Dibromoethane	0.125	0.121	0.111	96.8	88.8	74.0-128			8.62	20
Dibromomethane	0.125	0.145	0.137	116	110	75.0-122			5.67	20
1,2-Dichlorobenzene	0.125	0.130	0.125	104	100	76.0-124			3.92	20
1,3-Dichlorobenzene	0.125	0.132	0.125	106	100	76.0-125			5.45	20
1,4-Dichlorobenzene	0.125	0.127	0.121	102	96.8	77.0-121			4.84	20
Dichlorodifluoromethane	0.125	0.152	0.144	122	115	43.0-156			5.41	20
1,1-Dichloroethane	0.125	0.152	0.143	122	114	70.0-127			6.10	20
1,2-Dichloroethane	0.125	0.174	0.161	139	129	65.0-131	J4		7.76	20
1,1-Dichloroethene	0.125	0.167	0.162	134	130	65.0-131	J4		3.04	20
cis-1,2-Dichloroethene	0.125	0.130	0.122	104	97.6	73.0-125			6.35	20
trans-1,2-Dichloroethene	0.125	0.132	0.128	106	102	71.0-125			3.08	20
1,2-Dichloropropane	0.125	0.148	0.144	118	115	74.0-125			2.74	20
1,1-Dichloropropene	0.125	0.158	0.149	126	119	73.0-125	J4		5.86	20
1,3-Dichloropropane	0.125	0.128	0.123	102	98.4	80.0-125			3.98	20
cis-1,3-Dichloropropene	0.125	0.153	0.149	122	119	76.0-127			2.65	20
trans-1,3-Dichloropropene	0.125	0.126	0.122	101	97.6	73.0-127			3.23	20
trans-1,4-Dichloro-2-butene	0.125	0.113	0.112	90.4	89.6	45.0-143			0.889	20
2,2-Dichloropropane	0.125	0.152	0.151	122	121	59.0-135			0.660	20
Di-isopropyl ether	0.125	0.151	0.146	121	117	60.0-136			3.37	20

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

(LCS) R3772751-1 03/22/22 09:14 • (LCSD) R3772751-2 03/22/22 09:33

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.125	0.122	0.113	97.6	90.4	74.0-126			7.66	20
Hexachloro-1,3-butadiene	0.125	0.107	0.110	85.6	88.0	57.0-150			2.76	20
2-Hexanone	0.625	0.662	0.630	106	101	54.0-147			4.95	20
n-Hexane	0.125	0.146	0.141	117	113	55.0-137			3.48	20
Iodomethane	0.625	0.777	0.736	124	118	74.0-134			5.42	20
Isopropylbenzene	0.125	0.124	0.119	99.2	95.2	72.0-127			4.12	20
p-Isopropyltoluene	0.125	0.131	0.127	105	102	72.0-133			3.10	20
2-Butanone (MEK)	0.625	0.866	0.857	139	137	30.0-160			1.04	24
Methylene Chloride	0.125	0.140	0.137	112	110	68.0-123			2.17	20
4-Methyl-2-pentanone (MIBK)	0.625	0.735	0.694	118	111	56.0-143			5.74	20
Methyl tert-butyl ether	0.125	0.142	0.134	114	107	66.0-132			5.80	20
Naphthalene	0.125	0.152	0.146	122	117	59.0-130			4.03	20
n-Propylbenzene	0.125	0.131	0.128	105	102	74.0-126			2.32	20
Styrene	0.125	0.113	0.108	90.4	86.4	72.0-127			4.52	20
1,1,1,2-Tetrachloroethane	0.125	0.119	0.117	95.2	93.6	74.0-129			1.69	20
1,1,2,2-Tetrachloroethane	0.125	0.135	0.128	108	102	68.0-128			5.32	20
1,1,2-Trichlorotrifluoroethane	0.125	0.154	0.146	123	117	61.0-139			5.33	20
Tetrachloroethene	0.125	0.116	0.110	92.8	88.0	70.0-136			5.31	20
Toluene	0.125	0.123	0.116	98.4	92.8	75.0-121			5.86	20
1,2,3-Trichlorobenzene	0.125	0.176	0.178	141	142	59.0-139	J4	J4	1.13	20
1,2,4-Trichlorobenzene	0.125	0.139	0.135	111	108	62.0-137			2.92	20
1,1,1-Trichloroethane	0.125	0.144	0.138	115	110	69.0-126			4.26	20
1,1,2-Trichloroethane	0.125	0.119	0.113	95.2	90.4	78.0-123			5.17	20
Trichloroethene	0.125	0.136	0.123	109	98.4	76.0-126			10.0	20
Trichlorofluoromethane	0.125	0.136	0.123	109	98.4	61.0-142			10.0	20
1,2,3-Trichloropropane	0.125	0.137	0.127	110	102	67.0-129			7.58	20
1,2,4-Trimethylbenzene	0.125	0.131	0.127	105	102	70.0-126			3.10	20
1,2,3-Trimethylbenzene	0.125	0.135	0.131	108	105	74.0-124			3.01	20
1,3,5-Trimethylbenzene	0.125	0.133	0.128	106	102	73.0-127			3.83	20
Vinyl acetate	0.625	1.02	0.968	163	155	43.0-159	J4		5.23	20
Vinyl chloride	0.125	0.137	0.134	110	107	63.0-134			2.21	20
Xylenes, Total	0.375	0.360	0.339	96.0	90.4	72.0-127			6.01	20
(S) Toluene-d8				*95.8*	*94.3*	*75.0-131*				
(S) 4-Bromofluorobenzene				*104*	*104*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*122*	*122*	*70.0-130*				

Method Blank (MB)

(MB) R3772820-3 03/22/22 20:05

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
cis-1,2-Dichloroethene	U		0.000734	0.00250
(S) Toluene-d8	*104*			*75.0-131*
(S) 4-Bromofluorobenzene	*103*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*

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

(LCS) R3772820-1 03/22/22 18:40 • (LCSD) R3772820-2 03/22/22 18:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
cis-1,2-Dichloroethene	0.125	0.112	0.121	89.6	96.8	73.0-125			7.73	20
(S) Toluene-d8				*104*	*101*	*75.0-131*				
(S) 4-Bromofluorobenzene				*102*	*101*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*103*	*102*	*70.0-130*				

Method Blank (MB)

(MB) R3773608-2 03/24/22 07:04

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromochloromethane	U		0.000564	0.00500
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon disulfide	U		0.000700	0.0125
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00250
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
trans-1,4-Dichloro-2-butene	U		0.00186	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100

Method Blank (MB)

(MB) R3773608-2 03/24/22 07:04

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
2-Hexanone	U		0.00336	0.0250
n-Hexane	U		0.00226	0.00500
Iodomethane	U		0.00232	0.0125
Isopropylbenzene	U		0.000425	0.00250
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl acetate	U		0.00254	0.0125
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*113*			*75.0-131*
(S) 4-Bromofluorobenzene	*100*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*97.0*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3773608-1 03/24/22 06:08

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.391	62.6	10.0-160	
Acrylonitrile	0.625	0.382	61.1	45.0-153	
Benzene	0.125	0.106	84.8	70.0-123	
Bromobenzene	0.125	0.130	104	73.0-121	
Bromodichloromethane	0.125	0.121	96.8	73.0-121	
Bromochloromethane	0.125	0.120	96.0	77.0-128	
Bromoform	0.125	0.113	90.4	64.0-132	
Bromomethane	0.125	0.321	257	56.0-147	J4
n-Butylbenzene	0.125	0.127	102	68.0-135	
sec-Butylbenzene	0.125	0.137	110	74.0-130	
tert-Butylbenzene	0.125	0.128	102	75.0-127	
Carbon disulfide	0.125	0.102	81.6	56.0-133	
Carbon tetrachloride	0.125	0.133	106	66.0-128	
Chlorobenzene	0.125	0.129	103	76.0-128	
Chlorodibromomethane	0.125	0.125	100	74.0-127	
Chloroethane	0.125	0.236	189	61.0-134	J4
Chloroform	0.125	0.120	96.0	72.0-123	
Chloromethane	0.125	0.151	121	51.0-138	
2-Chlorotoluene	0.125	0.130	104	75.0-124	
4-Chlorotoluene	0.125	0.124	99.2	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.0967	77.4	59.0-130	
1,2-Dibromoethane	0.125	0.130	104	74.0-128	
Dibromomethane	0.125	0.125	100	75.0-122	
1,2-Dichlorobenzene	0.125	0.128	102	76.0-124	
1,3-Dichlorobenzene	0.125	0.127	102	76.0-125	
1,4-Dichlorobenzene	0.125	0.130	104	77.0-121	
Dichlorodifluoromethane	0.125	0.139	111	43.0-156	
1,1-Dichloroethane	0.125	0.0985	78.8	70.0-127	
1,2-Dichloroethane	0.125	0.116	92.8	65.0-131	
1,1-Dichloroethene	0.125	0.111	88.8	65.0-131	
cis-1,2-Dichloroethene	0.125	0.106	84.8	73.0-125	
trans-1,2-Dichloroethene	0.125	0.111	88.8	71.0-125	
1,2-Dichloropropane	0.125	0.0974	77.9	74.0-125	
1,1-Dichloropropene	0.125	0.118	94.4	73.0-125	
1,3-Dichloropropane	0.125	0.119	95.2	80.0-125	
cis-1,3-Dichloropropene	0.125	0.119	95.2	76.0-127	
trans-1,3-Dichloropropene	0.125	0.119	95.2	73.0-127	
trans-1,4-Dichloro-2-butene	0.125	0.0920	73.6	45.0-143	
2,2-Dichloropropane	0.125	0.119	95.2	59.0-135	
Di-isopropyl ether	0.125	0.0725	58.0	60.0-136	J4

Laboratory Control Sample (LCS)

(LCS) R3773608-1 03/24/22 06:08

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.125	0.134	107	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.129	103	57.0-150	
2-Hexanone	0.625	0.485	77.6	54.0-147	
n-Hexane	0.125	0.0765	61.2	55.0-137	
Iodomethane	0.625	0.677	108	74.0-134	
Isopropylbenzene	0.125	0.130	104	72.0-127	
p-Isopropyltoluene	0.125	0.134	107	72.0-133	
2-Butanone (MEK)	0.625	0.455	72.8	30.0-160	
Methylene Chloride	0.125	0.110	88.0	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.451	72.2	56.0-143	
Methyl tert-butyl ether	0.125	0.110	88.0	66.0-132	
Naphthalene	0.125	0.137	110	59.0-130	
n-Propylbenzene	0.125	0.130	104	74.0-126	
Styrene	0.125	0.115	92.0	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.132	106	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.122	97.6	68.0-128	
1,1,2-Trichlorotrifluoroethane	0.125	0.144	115	61.0-139	
Toluene	0.125	0.130	104	75.0-121	
1,2,3-Trichlorobenzene	0.125	0.167	134	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.136	109	62.0-137	
1,1,1-Trichloroethane	0.125	0.131	105	69.0-126	
1,1,2-Trichloroethane	0.125	0.130	104	78.0-123	
Trichloroethene	0.125	0.123	98.4	76.0-126	
Trichlorofluoromethane	0.125	0.167	134	61.0-142	
1,2,3-Trichloropropane	0.125	0.144	115	67.0-129	
1,2,4-Trimethylbenzene	0.125	0.129	103	70.0-126	
1,2,3-Trimethylbenzene	0.125	0.133	106	74.0-124	
1,3,5-Trimethylbenzene	0.125	0.136	109	73.0-127	
Vinyl acetate	0.625	0.315	50.4	43.0-159	
Xylenes, Total	0.375	0.356	94.9	72.0-127	
(S) Toluene-d8			*115*	*75.0-131*	
(S) 4-Bromofluorobenzene			*95.2*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*98.1*	*70.0-130*	

L1473423-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1473423-04 03/24/22 10:34 • (MS) R3773608-3 03/24/22 15:20 • (MSD) R3773608-4 03/24/22 15:39

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	1.52	U	5.88	0.526	387	34.5	2.01	10.0-160	J5	J3	167	40
Acrylonitrile	1.52	U	0.842	0.747	55.3	49.0	2.01	10.0-160			12.0	40
Benzene	0.303	U	0.308	0.326	102	108	2.01	10.0-149			5.71	37
Bromobenzene	0.303	U	0.330	0.358	109	118	2.01	10.0-156			8.08	38
Bromodichloromethane	0.303	U	0.325	0.358	107	118	2.01	10.0-143			9.56	37
Bromochloromethane	0.303	U	0.308	0.329	102	108	2.01	10.0-155			6.45	33
Bromoform	0.303	U	0.298	0.321	98.4	106	2.01	10.0-146			7.41	36
Bromomethane	0.303	U	0.313	0.302	103	99.6	2.01	10.0-149			3.54	38
n-Butylbenzene	0.303	U	0.360	0.399	119	131	2.01	10.0-160			10.2	40
sec-Butylbenzene	0.303	U	0.364	0.404	120	133	2.01	10.0-159			10.4	39
tert-Butylbenzene	0.303	U	0.349	0.384	115	127	2.01	10.0-156			9.56	39
Carbon disulfide	0.303	U	0.337	0.360	111	119	2.01	10.0-145			6.59	39
Carbon tetrachloride	0.303	U	0.400	0.419	132	138	2.01	10.0-145			4.72	37
Chlorobenzene	0.303	U	0.353	0.390	116	129	2.01	10.0-152			10.1	39
Chlorodibromomethane	0.303	U	0.338	0.369	112	122	2.01	10.0-146			8.55	37
Chloroethane	0.303	U	0.147	0.166	48.6	54.6	2.01	10.0-146			11.6	40
Chloroform	0.303	U	0.337	0.353	111	116	2.01	10.0-146			4.55	37
Chloromethane	0.303	U	0.383	0.383	126	126	2.01	10.0-159			0.000	37
2-Chlorotoluene	0.303	U	0.333	0.379	110	125	2.01	10.0-159			12.9	38
4-Chlorotoluene	0.303	U	0.321	0.348	106	115	2.01	10.0-155			7.94	39
1,2-Dibromo-3-Chloropropane	0.303	U	0.253	0.282	83.3	92.8	2.01	10.0-151			10.9	39
1,2-Dibromoethane	0.303	U	0.338	0.365	112	120	2.01	10.0-148			7.56	34
Dibromomethane	0.303	U	0.317	0.349	104	115	2.01	10.0-147			9.80	35
1,2-Dichlorobenzene	0.303	U	0.364	0.390	120	129	2.01	10.0-155			7.05	37
1,3-Dichlorobenzene	0.303	U	0.349	0.387	115	127	2.01	10.0-153			10.2	38
1,4-Dichlorobenzene	0.303	U	0.342	0.384	113	127	2.01	10.0-151			11.6	38
Dichlorodifluoromethane	0.303	U	0.400	0.425	132	140	2.01	10.0-160			6.15	35
1,1-Dichloroethane	0.303	U	0.292	0.295	96.4	97.2	2.01	10.0-147			0.823	37
1,2-Dichloroethane	0.303	U	0.294	0.303	96.8	100	2.01	10.0-148			3.24	35
1,1-Dichloroethene	0.303	U	0.423	0.452	139	149	2.01	10.0-155			6.63	37
cis-1,2-Dichloroethene	0.303	U	0.304	0.326	100	108	2.01	10.0-149			6.90	37
trans-1,2-Dichloroethene	0.303	U	0.352	0.354	116	117	2.01	10.0-150			0.685	37
1,2-Dichloropropane	0.303	U	0.274	0.290	90.4	95.6	2.01	10.0-148			5.57	37
1,1-Dichloropropene	0.303	U	0.360	0.373	119	123	2.01	10.0-153			3.62	35
1,3-Dichloropropane	0.303	U	0.318	0.346	105	114	2.01	10.0-154			8.38	35
cis-1,3-Dichloropropene	0.303	U	0.304	0.321	100	106	2.01	10.0-151			5.41	37
trans-1,3-Dichloropropene	0.303	U	0.306	0.323	101	106	2.01	10.0-148			5.38	37
trans-1,4-Dichloro-2-butene	0.303	U	0.202	0.215	66.5	70.9	2.01	10.0-152			6.38	36
2,2-Dichloropropane	0.303	U	0.170	0.169	56.2	55.8	2.01	10.0-138			0.712	36

L1473423-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1473423-04 03/24/22 10:34 • (MS) R3773608-3 03/24/22 15:20 • (MSD) R3773608-4 03/24/22 15:39

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	0.303	U	0.208	0.214	68.5	70.5	2.01	10.0-147			2.87	36
Ethylbenzene	0.303	U	0.358	0.389	118	128	2.01	10.0-160			8.41	38
Hexachloro-1,3-butadiene	0.303	U	0.379	0.404	125	133	2.01	10.0-160			6.17	40
2-Hexanone	1.52	U	1.05	1.15	69.2	75.4	2.01	10.0-160			8.56	36
n-Hexane	0.303	U	0.225	0.222	74.1	73.3	2.01	10.0-157			1.08	37
Iodomethane	1.52	U	2.28	2.44	150	160	2.01	10.0-160			6.65	38
Isopropylbenzene	0.303	U	0.365	0.405	120	133	2.01	10.0-155			10.4	38
p-Isopropyltoluene	0.303	U	0.362	0.413	120	136	2.01	10.0-160			13.1	40
2-Butanone (MEK)	1.52	U	0.766	0.770	50.3	50.6	2.01	10.0-160			0.472	40
Methylene Chloride	0.303	U	0.369	0.385	122	127	2.01	10.0-141			4.49	37
4-Methyl-2-pentanone (MIBK)	1.52	U	1.02	1.14	67.3	75.2	2.01	10.0-160			11.0	35
Methyl tert-butyl ether	0.303	U	0.285	0.320	94.0	106	2.01	11.0-147			11.6	35
Naphthalene	0.303	U	0.414	0.475	137	157	2.01	10.0-160			13.6	36
n-Propylbenzene	0.303	U	0.340	0.372	112	123	2.01	10.0-158			9.17	38
Styrene	0.303	U	0.314	0.344	104	114	2.01	10.0-160			9.17	40
1,1,1,2-Tetrachloroethane	0.303	U	0.352	0.387	116	127	2.01	10.0-149			9.49	39
1,1,2,2-Tetrachloroethane	0.303	U	0.255	0.295	84.1	97.2	2.01	10.0-160			14.5	35
1,1,2-Trichlorotrifluoroethane	0.303	U	0.463	0.547	153	180	2.01	10.0-160		J5	16.7	36
Toluene	0.303	U	0.362	0.396	120	131	2.01	10.0-156			8.92	38
1,2,3-Trichlorobenzene	0.303	U	0.565	0.649	186	214	2.01	10.0-160	J5	J5	13.7	40
1,2,4-Trichlorobenzene	0.303	U	0.434	0.486	143	160	2.01	10.0-160			11.3	40
1,1,1-Trichloroethane	0.303	U	0.303	0.319	100	105	2.01	10.0-144			5.05	35
1,1,2-Trichloroethane	0.303	U	0.354	0.382	117	126	2.01	10.0-160			7.55	35
Trichloroethene	0.303	U	0.395	0.400	130	132	2.01	10.0-156			1.22	38
Trichlorofluoromethane	0.303	U	0.304	0.381	100	125	2.01	10.0-160			22.2	40
1,2,3-Trichloropropane	0.303	U	0.331	0.361	109	119	2.01	10.0-156			8.73	35
1,2,4-Trimethylbenzene	0.303	U	0.340	0.379	112	125	2.01	10.0-160			11.1	36
1,2,3-Trimethylbenzene	0.303	U	0.361	0.394	119	130	2.01	10.0-160			8.64	36
1,3,5-Trimethylbenzene	0.303	U	0.355	0.393	117	129	2.01	10.0-160			10.0	38
Vinyl acetate	1.52	U	0.0790	0.117	5.19	7.71	2.01	10.0-128	J6	J6	39.1	40
Xylenes, Total	0.910	U	1.04	1.13	114	124	2.01	10.0-160			8.27	38
(S) Toluene-d8					*114*	*112*		*75.0-131*				
(S) 4-Bromofluorobenzene					*94.7*	*93.6*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*97.5*	*97.9*		*70.0-130*				

Method Blank (MB)

(MB) R3774481-3 03/24/22 22:23

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
cis-1,2-Dichloroethene	U		0.000734	0.00250
Tetrachloroethene	U		0.000896	0.00250
Vinyl chloride	U		0.00116	0.00250
(S) Toluene-d8	*98.0*			*75.0-131*
(S) 4-Bromofluorobenzene	*97.2*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*96.3*			*70.0-130*

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

(LCS) R3774481-1 03/24/22 21:19 • (LCSD) R3774481-2 03/24/22 21:40

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
cis-1,2-Dichloroethene	0.125	0.116	0.118	92.8	94.4	73.0-125			1.71	20
Tetrachloroethene	0.125	0.132	0.129	106	103	70.0-136			2.30	20
Vinyl chloride	0.125	0.101	0.0968	80.8	77.4	63.0-134			4.25	20
(S) Toluene-d8				*96.8*	*97.6*	*75.0-131*				
(S) 4-Bromofluorobenzene				*101*	*103*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*102*	*103*	*70.0-130*				

Method Blank (MB)

(MB) R3774482-3 03/24/22 22:23

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Tetrachloroethene	U		0.000896	0.00250
Vinyl chloride	U		0.00116	0.00250
(S) Toluene-d8	*98.0*			*75.0-131*
(S) 4-Bromofluorobenzene	*97.2*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*96.3*			*70.0-130*

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

(LCS) R3774482-1 03/24/22 21:19 • (LCSD) R3774482-2 03/24/22 21:40

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Tetrachloroethene	0.125	0.132	0.129	106	103	70.0-136			2.30	20
Vinyl chloride	0.125	0.101	0.0968	80.8	77.4	63.0-134			4.25	20
(S) Toluene-d8				*96.8*	*97.6*	*75.0-131*				
(S) 4-Bromofluorobenzene				*101*	*103*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*102*	*103*	*70.0-130*				

GLOSSARY OF TERMS

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
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
C4	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.
C5	The reported concentration is an estimate. The continuing calibration standard associated with this data responded high. Data is likely to show a high bias concerning the result.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.

GLOSSARY OF TERMS

Qualifier	Description
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
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	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
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

* 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 Analytical.

Company Name/Address:
PES Environmental, Inc.- WA

2101 Fourth Ave., Suite 1310
Seattle, WA 98121

Billing Information:
Attn: Accounts Payable
2101 4th Avenue, Suite 1310
Seattle, WA 98121

Pres Chk

Report to:
Brian O'Neal/Bill Haldeman

Email To:
Shannon.McKernan@nv5.com;brian.oneal@nv5

Project Description:
American Linen

City/State Collected: Seattle, WA

Please Circle: PT MT CT ET

Phone: 206-529-3980

Client Project #

Lab Project #
PESENVSWA-ALP

Collected by (print):
Ben Hecht

Site/Facility ID #

P.O. #
443018-1413001.05.601

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: Standard

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	M6010CAM17 4ozClr-NoPres	V8260C 40mlAmb/MeOH10ml/Syr	dry weight 4ozClr-NoPres	Remarks	Sample # (lab only)
IWS-07-40.5	Grab	SS	40.5	3-14-22	1335	2		X			-01
IWS-06-45.5		SS	45.5	3-15-22	1210	2		X			-02
IWS-05-46		SS	46	3-16-22	940	2		X			-03
IWS-01-48.5		SS	48.5	3-16-22	1600	2		X			-04
IWS-04-51		SS	51	3-17-22	1400	2		X			-05
IWS-08-~~68~~ 68 (BH)		SS	BP ~~68~~ 68	3-18-22	1130	2		X			-06
TB-031822	-	SS	-	3-18-22	1430	1		X			-07
		SS									
		SS									
		SS									

(BH)

* 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 # 9463 1914 5814

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	3-18-22	1500	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			Yvonne Sistrunk

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

Temp: °C Bottles Received:
DRA2.7+0=2.7 12

Date: 3/19/22 Time: 0930

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

Sample Receipt Checklist

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

Chain of Custody Page 1 of 1

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1473318

E105

Ta

Acctnum: PESENVSWA
Template: T205181
Prelogin: P910969
PM: 546 - Jared Starkey
PB:

Shipped Via:

ANALYTICAL REPORT

April 03, 2022

PES Environmental, Inc.- WA

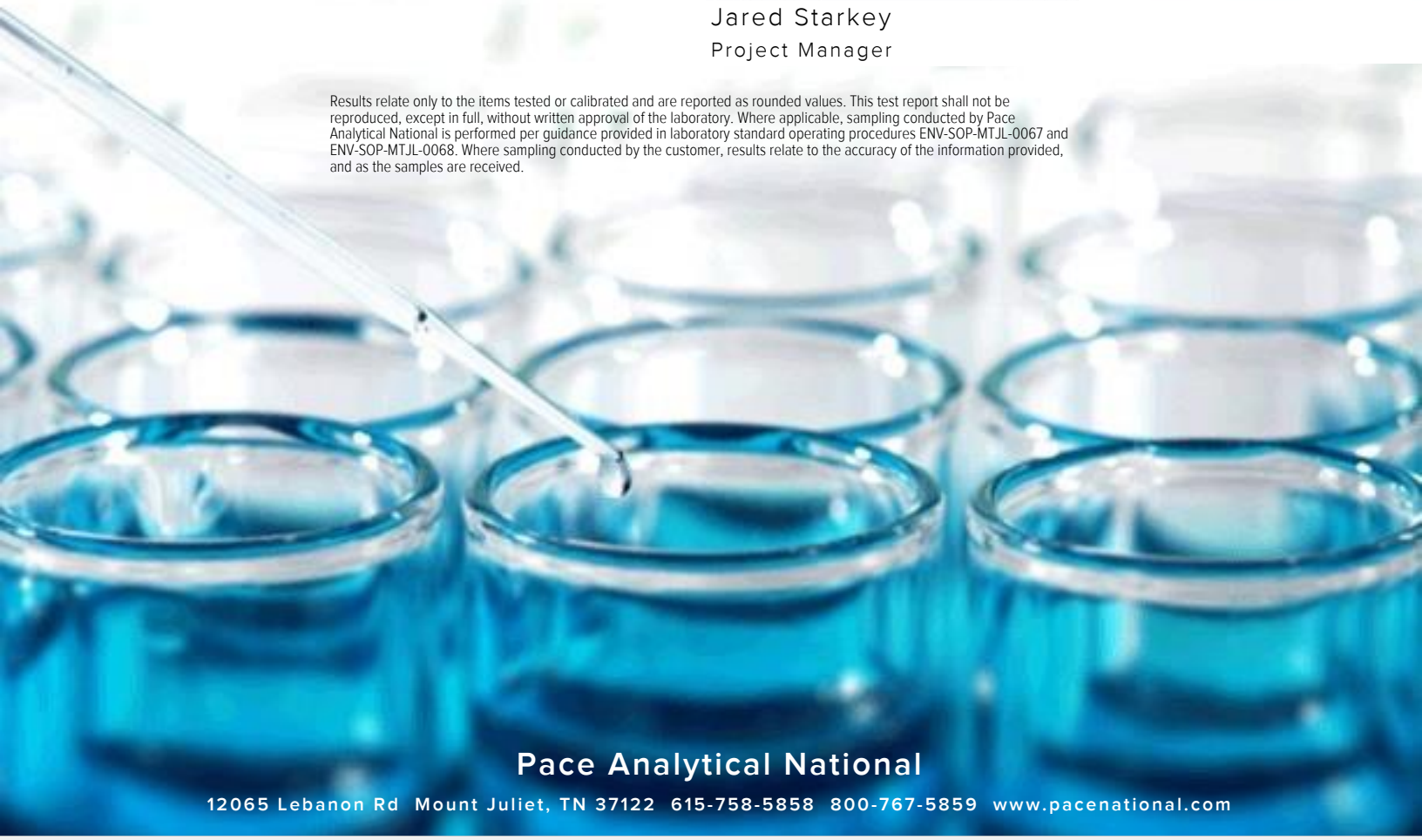
Sample Delivery Group:	L1475468
Samples Received:	03/25/2022
Project Number:	1413.004.05.504
Description:	American Linen

Report To: Brian O'Neal/Bill Haldeman
2101 Fourth Ave., Suite 1310
Seattle, WA 98121

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace 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.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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IWS-03-39 L1475468-01 Solid

Collected by: Ben Hecht | Collected date/time: 03/21/22 13:05 | Received date/time: 03/25/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1839216	1	03/29/22 06:41	03/29/22 06:46	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1839612	1	03/21/22 13:05	03/28/22 17:04	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1841488	4	03/21/22 13:05	04/01/22 11:42	JAH	Mt. Juliet, TN

IWS-02-41.5 L1475468-02 Solid

Collected by: Ben Hecht | Collected date/time: 03/22/22 10:25 | Received date/time: 03/25/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1839216	1	03/29/22 06:41	03/29/22 06:46	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1839612	1	03/22/22 10:25	03/28/22 17:23	JAH	Mt. Juliet, TN

IWS-10-46 L1475468-03 Solid

Collected by: Ben Hecht | Collected date/time: 03/23/22 11:28 | Received date/time: 03/25/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1839216	1	03/29/22 06:41	03/29/22 06:46	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1839612	1	03/23/22 11:28	03/28/22 17:42	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1841488	10	03/23/22 11:28	04/01/22 12:02	JAH	Mt. Juliet, TN

IWS-09-47 L1475468-04 Solid

Collected by: Ben Hecht | Collected date/time: 03/24/22 10:45 | Received date/time: 03/25/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1839216	1	03/29/22 06:41	03/29/22 06:46	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1841488	2	03/24/22 10:45	04/01/22 12:21	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1841998	10	03/24/22 10:45	04/01/22 16:11	JHH	Mt. Juliet, TN

CASE NARRATIVE

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

Jared Starkey
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.4		1	03/29/2022 06:46	WG1839216

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0513	0.0702	1	03/28/2022 17:04	WG1839612
Acrylonitrile	U	J4 J5	0.00507	0.0176	1	03/28/2022 17:04	WG1839612
Benzene	U		0.000656	0.00140	1	03/28/2022 17:04	WG1839612
Bromobenzene	U		0.00126	0.0176	1	03/28/2022 17:04	WG1839612
Bromodichloromethane	U		0.00102	0.00351	1	03/28/2022 17:04	WG1839612
Bromochloromethane	U		0.000792	0.00702	1	03/28/2022 17:04	WG1839612
Bromoform	U		0.00164	0.0351	1	03/28/2022 17:04	WG1839612
Bromomethane	U		0.00277	0.0176	1	03/28/2022 17:04	WG1839612
n-Butylbenzene	U		0.00737	0.0176	1	03/28/2022 17:04	WG1839612
sec-Butylbenzene	U		0.00404	0.0176	1	03/28/2022 17:04	WG1839612
tert-Butylbenzene	U		0.00274	0.00702	1	03/28/2022 17:04	WG1839612
Carbon disulfide	U		0.000983	0.0176	1	03/28/2022 17:04	WG1839612
Carbon tetrachloride	U		0.00126	0.00702	1	03/28/2022 17:04	WG1839612
Chlorobenzene	U		0.000295	0.00351	1	03/28/2022 17:04	WG1839612
Chlorodibromomethane	U		0.000860	0.00351	1	03/28/2022 17:04	WG1839612
Chloroethane	U		0.00239	0.00702	1	03/28/2022 17:04	WG1839612
Chloroform	U		0.00145	0.00351	1	03/28/2022 17:04	WG1839612
Chloromethane	U		0.00611	0.0176	1	03/28/2022 17:04	WG1839612
2-Chlorotoluene	U		0.00121	0.00351	1	03/28/2022 17:04	WG1839612
4-Chlorotoluene	U		0.000632	0.00702	1	03/28/2022 17:04	WG1839612
1,2-Dibromo-3-Chloropropane	U	C3	0.00548	0.0351	1	03/28/2022 17:04	WG1839612
1,2-Dibromoethane	U		0.000910	0.00351	1	03/28/2022 17:04	WG1839612
Dibromomethane	U		0.00105	0.00702	1	03/28/2022 17:04	WG1839612
1,2-Dichlorobenzene	U		0.000597	0.00702	1	03/28/2022 17:04	WG1839612
1,3-Dichlorobenzene	U		0.000843	0.00702	1	03/28/2022 17:04	WG1839612
1,4-Dichlorobenzene	U		0.000983	0.00702	1	03/28/2022 17:04	WG1839612
Dichlorodifluoromethane	U	C3	0.00226	0.00351	1	03/28/2022 17:04	WG1839612
1,1-Dichloroethane	U		0.000690	0.00351	1	03/28/2022 17:04	WG1839612
1,2-Dichloroethane	U		0.000911	0.00351	1	03/28/2022 17:04	WG1839612
1,1-Dichloroethene	0.00404		0.000851	0.00351	1	03/28/2022 17:04	WG1839612
cis-1,2-Dichloroethene	2.99		0.00413	0.0140	4	04/01/2022 11:42	WG1841488
trans-1,2-Dichloroethene	0.00907		0.00146	0.00702	1	03/28/2022 17:04	WG1839612
1,2-Dichloropropane	U	J4	0.00199	0.00702	1	03/28/2022 17:04	WG1839612
1,1-Dichloropropene	U		0.00114	0.00351	1	03/28/2022 17:04	WG1839612
1,3-Dichloropropane	U		0.000704	0.00702	1	03/28/2022 17:04	WG1839612
cis-1,3-Dichloropropene	U		0.00106	0.00351	1	03/28/2022 17:04	WG1839612
trans-1,3-Dichloropropene	U		0.00160	0.00702	1	03/28/2022 17:04	WG1839612
trans-1,4-Dichloro-2-butene	U		0.00261	0.00702	1	03/28/2022 17:04	WG1839612
2,2-Dichloropropane	U		0.00194	0.00351	1	03/28/2022 17:04	WG1839612
Di-isopropyl ether	U	J5	0.000576	0.00140	1	03/28/2022 17:04	WG1839612
Ethylbenzene	U	C3	0.00104	0.00351	1	03/28/2022 17:04	WG1839612
Hexachloro-1,3-butadiene	U		0.00843	0.0351	1	03/28/2022 17:04	WG1839612
2-Hexanone	U		0.00472	0.0351	1	03/28/2022 17:04	WG1839612
n-Hexane	U		0.00317	0.00702	1	03/28/2022 17:04	WG1839612
Iodomethane	U		0.00326	0.0176	1	03/28/2022 17:04	WG1839612
Isopropylbenzene	U		0.000597	0.00351	1	03/28/2022 17:04	WG1839612
p-Isopropyltoluene	U		0.00358	0.00702	1	03/28/2022 17:04	WG1839612
2-Butanone (MEK)	U	J4	0.0892	0.140	1	03/28/2022 17:04	WG1839612
Methylene Chloride	U		0.00933	0.0351	1	03/28/2022 17:04	WG1839612
4-Methyl-2-pentanone (MIBK)	U		0.00320	0.0351	1	03/28/2022 17:04	WG1839612

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000492	0.00140	1	03/28/2022 17:04	WG1839612
Naphthalene	U		0.00685	0.0176	1	03/28/2022 17:04	WG1839612
n-Propylbenzene	U		0.00133	0.00702	1	03/28/2022 17:04	WG1839612
Styrene	U	C3	0.000322	0.0176	1	03/28/2022 17:04	WG1839612
1,1,1,2-Tetrachloroethane	U		0.00133	0.00351	1	03/28/2022 17:04	WG1839612
1,1,2,2-Tetrachloroethane	U		0.000976	0.00351	1	03/28/2022 17:04	WG1839612
1,1,2-Trichlorotrifluoroethane	U		0.00106	0.00351	1	03/28/2022 17:04	WG1839612
Tetrachloroethene	0.511	C3	0.00126	0.00351	1	03/28/2022 17:04	WG1839612
Toluene	U		0.00183	0.00702	1	03/28/2022 17:04	WG1839612
1,2,3-Trichlorobenzene	U	C4	0.0103	0.0176	1	03/28/2022 17:04	WG1839612
1,2,4-Trichlorobenzene	U	C4	0.00618	0.0176	1	03/28/2022 17:04	WG1839612
1,1,1-Trichloroethane	U		0.00130	0.00351	1	03/28/2022 17:04	WG1839612
1,1,2-Trichloroethane	U		0.000838	0.00351	1	03/28/2022 17:04	WG1839612
Trichloroethene	0.736		0.000820	0.00140	1	03/28/2022 17:04	WG1839612
Trichlorofluoromethane	U	C3	0.00116	0.00351	1	03/28/2022 17:04	WG1839612
1,2,3-Trichloropropane	U		0.00228	0.0176	1	03/28/2022 17:04	WG1839612
1,2,4-Trimethylbenzene	0.00656	J	0.00222	0.00702	1	03/28/2022 17:04	WG1839612
1,2,3-Trimethylbenzene	U		0.00222	0.00702	1	03/28/2022 17:04	WG1839612
1,3,5-Trimethylbenzene	U		0.00281	0.00702	1	03/28/2022 17:04	WG1839612
Vinyl acetate	U		0.00357	0.0176	1	03/28/2022 17:04	WG1839612
Vinyl chloride	0.479		0.00163	0.00351	1	03/28/2022 17:04	WG1839612
Xylenes, Total	0.00126	J	0.00124	0.00913	1	03/28/2022 17:04	WG1839612
(S) Toluene-d8	*105*			*75.0-131*		*03/28/2022 17:04*	WG1839612
(S) Toluene-d8	*105*			*75.0-131*		*04/01/2022 11:42*	WG1841488
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*03/28/2022 17:04*	WG1839612
(S) 4-Bromofluorobenzene	*91.4*			*67.0-138*		*04/01/2022 11:42*	WG1841488
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*03/28/2022 17:04*	WG1839612
(S) 1,2-Dichloroethane-d4	*99.0*			*70.0-130*		*04/01/2022 11:42*	WG1841488

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.7		1	03/29/2022 06:46	WG1839216

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0483	0.0661	1	03/28/2022 17:23	WG1839612
Acrylonitrile	U	J4	0.00477	0.0165	1	03/28/2022 17:23	WG1839612
Benzene	U		0.000617	0.00132	1	03/28/2022 17:23	WG1839612
Bromobenzene	U		0.00119	0.0165	1	03/28/2022 17:23	WG1839612
Bromodichloromethane	U		0.000958	0.00330	1	03/28/2022 17:23	WG1839612
Bromochloromethane	U		0.000746	0.00661	1	03/28/2022 17:23	WG1839612
Bromoform	U		0.00155	0.0330	1	03/28/2022 17:23	WG1839612
Bromomethane	U		0.00260	0.0165	1	03/28/2022 17:23	WG1839612
n-Butylbenzene	U		0.00694	0.0165	1	03/28/2022 17:23	WG1839612
sec-Butylbenzene	U		0.00381	0.0165	1	03/28/2022 17:23	WG1839612
tert-Butylbenzene	U		0.00258	0.00661	1	03/28/2022 17:23	WG1839612
Carbon disulfide	U		0.000925	0.0165	1	03/28/2022 17:23	WG1839612
Carbon tetrachloride	U		0.00119	0.00661	1	03/28/2022 17:23	WG1839612
Chlorobenzene	U		0.000278	0.00330	1	03/28/2022 17:23	WG1839612
Chlorodibromomethane	U		0.000809	0.00330	1	03/28/2022 17:23	WG1839612
Chloroethane	U		0.00225	0.00661	1	03/28/2022 17:23	WG1839612
Chloroform	U		0.00136	0.00330	1	03/28/2022 17:23	WG1839612
Chloromethane	U		0.00575	0.0165	1	03/28/2022 17:23	WG1839612
2-Chlorotoluene	U		0.00114	0.00330	1	03/28/2022 17:23	WG1839612
4-Chlorotoluene	U		0.000595	0.00661	1	03/28/2022 17:23	WG1839612
1,2-Dibromo-3-Chloropropane	U	C3	0.00516	0.0330	1	03/28/2022 17:23	WG1839612
1,2-Dibromoethane	U		0.000857	0.00330	1	03/28/2022 17:23	WG1839612
Dibromomethane	U		0.000991	0.00661	1	03/28/2022 17:23	WG1839612
1,2-Dichlorobenzene	U		0.000562	0.00661	1	03/28/2022 17:23	WG1839612
1,3-Dichlorobenzene	U		0.000793	0.00661	1	03/28/2022 17:23	WG1839612
1,4-Dichlorobenzene	U		0.000925	0.00661	1	03/28/2022 17:23	WG1839612
Dichlorodifluoromethane	U	C3	0.00213	0.00330	1	03/28/2022 17:23	WG1839612
1,1-Dichloroethane	U		0.000649	0.00330	1	03/28/2022 17:23	WG1839612
1,2-Dichloroethane	U		0.000858	0.00330	1	03/28/2022 17:23	WG1839612
1,1-Dichloroethene	0.00278	J	0.000801	0.00330	1	03/28/2022 17:23	WG1839612
cis-1,2-Dichloroethene	1.53		0.000970	0.00330	1	03/28/2022 17:23	WG1839612
trans-1,2-Dichloroethene	0.0163		0.00137	0.00661	1	03/28/2022 17:23	WG1839612
1,2-Dichloropropane	U	J4	0.00188	0.00661	1	03/28/2022 17:23	WG1839612
1,1-Dichloropropene	U		0.00107	0.00330	1	03/28/2022 17:23	WG1839612
1,3-Dichloropropane	U		0.000662	0.00661	1	03/28/2022 17:23	WG1839612
cis-1,3-Dichloropropene	U		0.00100	0.00330	1	03/28/2022 17:23	WG1839612
trans-1,3-Dichloropropene	U		0.00151	0.00661	1	03/28/2022 17:23	WG1839612
trans-1,4-Dichloro-2-butene	U		0.00246	0.00661	1	03/28/2022 17:23	WG1839612
2,2-Dichloropropane	U		0.00182	0.00330	1	03/28/2022 17:23	WG1839612
Di-isopropyl ether	U		0.000542	0.00132	1	03/28/2022 17:23	WG1839612
Ethylbenzene	0.00112	C3 J	0.000974	0.00330	1	03/28/2022 17:23	WG1839612
Hexachloro-1,3-butadiene	U		0.00793	0.0330	1	03/28/2022 17:23	WG1839612
2-Hexanone	U		0.00444	0.0330	1	03/28/2022 17:23	WG1839612
n-Hexane	U		0.00299	0.00661	1	03/28/2022 17:23	WG1839612
Iodomethane	U		0.00307	0.0165	1	03/28/2022 17:23	WG1839612
Isopropylbenzene	U		0.000562	0.00330	1	03/28/2022 17:23	WG1839612
p-Isopropyltoluene	U		0.00337	0.00661	1	03/28/2022 17:23	WG1839612
2-Butanone (MEK)	U	J4	0.0839	0.132	1	03/28/2022 17:23	WG1839612
Methylene Chloride	U		0.00878	0.0330	1	03/28/2022 17:23	WG1839612
4-Methyl-2-pentanone (MIBK)	U		0.00301	0.0330	1	03/28/2022 17:23	WG1839612

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000463	0.00132	1	03/28/2022 17:23	WG1839612
Naphthalene	U		0.00645	0.0165	1	03/28/2022 17:23	WG1839612
n-Propylbenzene	U		0.00126	0.00661	1	03/28/2022 17:23	WG1839612
Styrene	U	C3	0.000303	0.0165	1	03/28/2022 17:23	WG1839612
1,1,1,2-Tetrachloroethane	U		0.00125	0.00330	1	03/28/2022 17:23	WG1839612
1,1,2,2-Tetrachloroethane	U		0.000919	0.00330	1	03/28/2022 17:23	WG1839612
1,1,2-Trichlorotrifluoroethane	U		0.000997	0.00330	1	03/28/2022 17:23	WG1839612
Tetrachloroethene	0.453	C3	0.00118	0.00330	1	03/28/2022 17:23	WG1839612
Toluene	0.00290	J	0.00172	0.00661	1	03/28/2022 17:23	WG1839612
1,2,3-Trichlorobenzene	U	C4	0.00969	0.0165	1	03/28/2022 17:23	WG1839612
1,2,4-Trichlorobenzene	U	C4	0.00582	0.0165	1	03/28/2022 17:23	WG1839612
1,1,1-Trichloroethane	U		0.00122	0.00330	1	03/28/2022 17:23	WG1839612
1,1,2-Trichloroethane	U		0.000789	0.00330	1	03/28/2022 17:23	WG1839612
Trichloroethene	0.0164		0.000772	0.00132	1	03/28/2022 17:23	WG1839612
Trichlorofluoromethane	U	C3	0.00109	0.00330	1	03/28/2022 17:23	WG1839612
1,2,3-Trichloropropane	U		0.00214	0.0165	1	03/28/2022 17:23	WG1839612
1,2,4-Trimethylbenzene	U		0.00209	0.00661	1	03/28/2022 17:23	WG1839612
1,2,3-Trimethylbenzene	U		0.00209	0.00661	1	03/28/2022 17:23	WG1839612
1,3,5-Trimethylbenzene	U		0.00264	0.00661	1	03/28/2022 17:23	WG1839612
Vinyl acetate	U		0.00336	0.0165	1	03/28/2022 17:23	WG1839612
Vinyl chloride	0.887		0.00153	0.00330	1	03/28/2022 17:23	WG1839612
Xylenes, Total	0.00407	J	0.00116	0.00859	1	03/28/2022 17:23	WG1839612
(S) Toluene-d8	*104*			*75.0-131*		*03/28/2022 17:23*	WG1839612
(S) 4-Bromofluorobenzene	*99.6*			*67.0-138*		*03/28/2022 17:23*	WG1839612
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*03/28/2022 17:23*	WG1839612

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.9		1	03/29/2022 06:46	WG1839216

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0459	0.0629	1	03/28/2022 17:42	WG1839612
Acrylonitrile	U	J4	0.00454	0.0157	1	03/28/2022 17:42	WG1839612
Benzene	U		0.000588	0.00126	1	03/28/2022 17:42	WG1839612
Bromobenzene	U		0.00113	0.0157	1	03/28/2022 17:42	WG1839612
Bromodichloromethane	U		0.000912	0.00315	1	03/28/2022 17:42	WG1839612
Bromochloromethane	U		0.000710	0.00629	1	03/28/2022 17:42	WG1839612
Bromoform	U		0.00147	0.0315	1	03/28/2022 17:42	WG1839612
Bromomethane	U		0.00248	0.0157	1	03/28/2022 17:42	WG1839612
n-Butylbenzene	U		0.00661	0.0157	1	03/28/2022 17:42	WG1839612
sec-Butylbenzene	U		0.00362	0.0157	1	03/28/2022 17:42	WG1839612
tert-Butylbenzene	U		0.00245	0.00629	1	03/28/2022 17:42	WG1839612
Carbon disulfide	U		0.000881	0.0157	1	03/28/2022 17:42	WG1839612
Carbon tetrachloride	U		0.00113	0.00629	1	03/28/2022 17:42	WG1839612
Chlorobenzene	U		0.000264	0.00315	1	03/28/2022 17:42	WG1839612
Chlorodibromomethane	U		0.000770	0.00315	1	03/28/2022 17:42	WG1839612
Chloroethane	U		0.00214	0.00629	1	03/28/2022 17:42	WG1839612
Chloroform	U		0.00130	0.00315	1	03/28/2022 17:42	WG1839612
Chloromethane	U		0.00547	0.0157	1	03/28/2022 17:42	WG1839612
2-Chlorotoluene	U		0.00109	0.00315	1	03/28/2022 17:42	WG1839612
4-Chlorotoluene	U		0.000566	0.00629	1	03/28/2022 17:42	WG1839612
1,2-Dibromo-3-Chloropropane	U	C3	0.00491	0.0315	1	03/28/2022 17:42	WG1839612
1,2-Dibromoethane	U		0.000815	0.00315	1	03/28/2022 17:42	WG1839612
Dibromomethane	U		0.000944	0.00629	1	03/28/2022 17:42	WG1839612
1,2-Dichlorobenzene	U		0.000535	0.00629	1	03/28/2022 17:42	WG1839612
1,3-Dichlorobenzene	U		0.000755	0.00629	1	03/28/2022 17:42	WG1839612
1,4-Dichlorobenzene	U		0.000881	0.00629	1	03/28/2022 17:42	WG1839612
Dichlorodifluoromethane	U	C3	0.00203	0.00315	1	03/28/2022 17:42	WG1839612
1,1-Dichloroethane	U		0.000618	0.00315	1	03/28/2022 17:42	WG1839612
1,2-Dichloroethane	U		0.000817	0.00315	1	03/28/2022 17:42	WG1839612
1,1-Dichloroethene	0.00385		0.000763	0.00315	1	03/28/2022 17:42	WG1839612
cis-1,2-Dichloroethene	1.93		0.000924	0.00315	1	03/28/2022 17:42	WG1839612
trans-1,2-Dichloroethene	0.00768		0.00131	0.00629	1	03/28/2022 17:42	WG1839612
1,2-Dichloropropane	U	J4	0.00179	0.00629	1	03/28/2022 17:42	WG1839612
1,1-Dichloropropene	U		0.00102	0.00315	1	03/28/2022 17:42	WG1839612
1,3-Dichloropropane	U		0.000630	0.00629	1	03/28/2022 17:42	WG1839612
cis-1,3-Dichloropropene	U		0.000953	0.00315	1	03/28/2022 17:42	WG1839612
trans-1,3-Dichloropropene	U		0.00143	0.00629	1	03/28/2022 17:42	WG1839612
trans-1,4-Dichloro-2-butene	U		0.00234	0.00629	1	03/28/2022 17:42	WG1839612
2,2-Dichloropropane	U		0.00174	0.00315	1	03/28/2022 17:42	WG1839612
Di-isopropyl ether	U		0.000516	0.00126	1	03/28/2022 17:42	WG1839612
Ethylbenzene	U	C3	0.000927	0.00315	1	03/28/2022 17:42	WG1839612
Hexachloro-1,3-butadiene	U		0.00755	0.0315	1	03/28/2022 17:42	WG1839612
2-Hexanone	U		0.00423	0.0315	1	03/28/2022 17:42	WG1839612
n-Hexane	U		0.00284	0.00629	1	03/28/2022 17:42	WG1839612
Iodomethane	U		0.00292	0.0157	1	03/28/2022 17:42	WG1839612
Isopropylbenzene	U		0.000535	0.00315	1	03/28/2022 17:42	WG1839612
p-Isopropyltoluene	U		0.00321	0.00629	1	03/28/2022 17:42	WG1839612
2-Butanone (MEK)	U	J4	0.0799	0.126	1	03/28/2022 17:42	WG1839612
Methylene Chloride	U		0.00836	0.0315	1	03/28/2022 17:42	WG1839612
4-Methyl-2-pentanone (MIBK)	U		0.00287	0.0315	1	03/28/2022 17:42	WG1839612

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

Analyte	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	0.00126	1	03/28/2022 17:42	WG1839612
Naphthalene	U		0.00614	0.0157	1	03/28/2022 17:42	WG1839612
n-Propylbenzene	U		0.00120	0.00629	1	03/28/2022 17:42	WG1839612
Styrene	U	C3	0.000288	0.0157	1	03/28/2022 17:42	WG1839612
1,1,1,2-Tetrachloroethane	U		0.00119	0.00315	1	03/28/2022 17:42	WG1839612
1,1,2,2-Tetrachloroethane	U		0.000875	0.00315	1	03/28/2022 17:42	WG1839612
1,1,2-Trichlorotrifluoroethane	U		0.000949	0.00315	1	03/28/2022 17:42	WG1839612
Tetrachloroethene	8.75		0.0113	0.0315	10	04/01/2022 12:02	WG1841488
Toluene	U		0.00164	0.00629	1	03/28/2022 17:42	WG1839612
1,2,3-Trichlorobenzene	U	C4	0.00922	0.0157	1	03/28/2022 17:42	WG1839612
1,2,4-Trichlorobenzene	U	C4	0.00554	0.0157	1	03/28/2022 17:42	WG1839612
1,1,1-Trichloroethane	U		0.00116	0.00315	1	03/28/2022 17:42	WG1839612
1,1,2-Trichloroethane	U		0.000751	0.00315	1	03/28/2022 17:42	WG1839612
Trichloroethene	0.648		0.000735	0.00126	1	03/28/2022 17:42	WG1839612
Trichlorofluoromethane	U	C3	0.00104	0.00315	1	03/28/2022 17:42	WG1839612
1,2,3-Trichloropropane	U		0.00204	0.0157	1	03/28/2022 17:42	WG1839612
1,2,4-Trimethylbenzene	U		0.00199	0.00629	1	03/28/2022 17:42	WG1839612
1,2,3-Trimethylbenzene	U		0.00199	0.00629	1	03/28/2022 17:42	WG1839612
1,3,5-Trimethylbenzene	U		0.00252	0.00629	1	03/28/2022 17:42	WG1839612
Vinyl acetate	U		0.00320	0.0157	1	03/28/2022 17:42	WG1839612
Vinyl chloride	0.351		0.00146	0.00315	1	03/28/2022 17:42	WG1839612
Xylenes, Total	U		0.00111	0.00818	1	03/28/2022 17:42	WG1839612
(S) Toluene-d8	*102*			*75.0-131*		*03/28/2022 17:42*	WG1839612
(S) Toluene-d8	*106*			*75.0-131*		*04/01/2022 12:02*	WG1841488
(S) 4-Bromofluorobenzene	*98.7*			*67.0-138*		*03/28/2022 17:42*	WG1839612
(S) 4-Bromofluorobenzene	*90.1*			*67.0-138*		*04/01/2022 12:02*	WG1841488
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*03/28/2022 17:42*	WG1839612
(S) 1,2-Dichloroethane-d4	*98.3*			*70.0-130*		*04/01/2022 12:02*	WG1841488

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.7		1	03/29/2022 06:46	WG1839216

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.108	0.148	2	04/01/2022 12:21	WG1841488
Acrylonitrile	U		0.0107	0.0369	2	04/01/2022 12:21	WG1841488
Benzene	U		0.00138	0.00295	2	04/01/2022 12:21	WG1841488
Bromobenzene	U		0.00266	0.0369	2	04/01/2022 12:21	WG1841488
Bromodichloromethane	U		0.00214	0.00738	2	04/01/2022 12:21	WG1841488
Bromochloromethane	U		0.00167	0.0148	2	04/01/2022 12:21	WG1841488
Bromoform	U	C3	0.00345	0.0738	2	04/01/2022 12:21	WG1841488
Bromomethane	U		0.00582	0.0369	2	04/01/2022 12:21	WG1841488
n-Butylbenzene	U		0.0155	0.0369	2	04/01/2022 12:21	WG1841488
sec-Butylbenzene	U		0.00850	0.0369	2	04/01/2022 12:21	WG1841488
tert-Butylbenzene	U		0.00576	0.0148	2	04/01/2022 12:21	WG1841488
Carbon disulfide	U		0.00207	0.0369	2	04/01/2022 12:21	WG1841488
Carbon tetrachloride	U	C3	0.00266	0.0148	2	04/01/2022 12:21	WG1841488
Chlorobenzene	U		0.000620	0.00738	2	04/01/2022 12:21	WG1841488
Chlorodibromomethane	U		0.00180	0.00738	2	04/01/2022 12:21	WG1841488
Chloroethane	U		0.00502	0.0148	2	04/01/2022 12:21	WG1841488
Chloroform	U		0.00304	0.00738	2	04/01/2022 12:21	WG1841488
Chloromethane	U		0.0128	0.0369	2	04/01/2022 12:21	WG1841488
2-Chlorotoluene	U		0.00255	0.00738	2	04/01/2022 12:21	WG1841488
4-Chlorotoluene	U		0.00133	0.0148	2	04/01/2022 12:21	WG1841488
1,2-Dibromo-3-Chloropropane	U		0.0115	0.0738	2	04/01/2022 12:21	WG1841488
1,2-Dibromoethane	U		0.00192	0.00738	2	04/01/2022 12:21	WG1841488
Dibromomethane	U		0.00221	0.0148	2	04/01/2022 12:21	WG1841488
1,2-Dichlorobenzene	U		0.00125	0.0148	2	04/01/2022 12:21	WG1841488
1,3-Dichlorobenzene	U		0.00177	0.0148	2	04/01/2022 12:21	WG1841488
1,4-Dichlorobenzene	U		0.00207	0.0148	2	04/01/2022 12:21	WG1841488
Dichlorodifluoromethane	U		0.00475	0.00738	2	04/01/2022 12:21	WG1841488
1,1-Dichloroethane	U		0.00145	0.00738	2	04/01/2022 12:21	WG1841488
1,2-Dichloroethane	U		0.00192	0.00738	2	04/01/2022 12:21	WG1841488
1,1-Dichloroethene	0.0120		0.00179	0.00738	2	04/01/2022 12:21	WG1841488
cis-1,2-Dichloroethene	5.05		0.0108	0.0369	10	04/01/2022 16:11	WG1841998
trans-1,2-Dichloroethene	0.0187		0.00307	0.0148	2	04/01/2022 12:21	WG1841488
1,2-Dichloropropane	U		0.00419	0.0148	2	04/01/2022 12:21	WG1841488
1,1-Dichloropropene	U		0.00239	0.00738	2	04/01/2022 12:21	WG1841488
1,3-Dichloropropane	U		0.00148	0.0148	2	04/01/2022 12:21	WG1841488
cis-1,3-Dichloropropene	U		0.00223	0.00738	2	04/01/2022 12:21	WG1841488
trans-1,3-Dichloropropene	U		0.00337	0.0148	2	04/01/2022 12:21	WG1841488
trans-1,4-Dichloro-2-butene	U	C3	0.00549	0.0148	2	04/01/2022 12:21	WG1841488
2,2-Dichloropropane	U	C3	0.00407	0.00738	2	04/01/2022 12:21	WG1841488
Di-isopropyl ether	U		0.00121	0.00295	2	04/01/2022 12:21	WG1841488
Ethylbenzene	U		0.00217	0.00738	2	04/01/2022 12:21	WG1841488
Hexachloro-1,3-butadiene	U	C3	0.0177	0.0738	2	04/01/2022 12:21	WG1841488
2-Hexanone	U		0.00992	0.0738	2	04/01/2022 12:21	WG1841488
n-Hexane	U		0.00667	0.0148	2	04/01/2022 12:21	WG1841488
Iodomethane	U		0.00685	0.0369	2	04/01/2022 12:21	WG1841488
Isopropylbenzene	U		0.00125	0.00738	2	04/01/2022 12:21	WG1841488
p-Isopropyltoluene	U		0.00753	0.0148	2	04/01/2022 12:21	WG1841488
2-Butanone (MEK)	U		0.187	0.295	2	04/01/2022 12:21	WG1841488
Methylene Chloride	U		0.0196	0.0738	2	04/01/2022 12:21	WG1841488
4-Methyl-2-pentanone (MIBK)	U		0.00673	0.0738	2	04/01/2022 12:21	WG1841488

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.00103	0.00295	2	04/01/2022 12:21	WG1841488
Naphthalene	U		0.0144	0.0369	2	04/01/2022 12:21	WG1841488
n-Propylbenzene	U		0.00280	0.0148	2	04/01/2022 12:21	WG1841488
Styrene	U		0.000676	0.0369	2	04/01/2022 12:21	WG1841488
1,1,1,2-Tetrachloroethane	U		0.00280	0.00738	2	04/01/2022 12:21	WG1841488
1,1,2,2-Tetrachloroethane	U		0.00205	0.00738	2	04/01/2022 12:21	WG1841488
1,1,2-Trichlorotrifluoroethane	U		0.00223	0.00738	2	04/01/2022 12:21	WG1841488
Tetrachloroethene	1.54		0.00264	0.00738	2	04/01/2022 12:21	WG1841488
Toluene	0.00437	J	0.00384	0.0148	2	04/01/2022 12:21	WG1841488
1,2,3-Trichlorobenzene	U		0.0217	0.0369	2	04/01/2022 12:21	WG1841488
1,2,4-Trichlorobenzene	U		0.0130	0.0369	2	04/01/2022 12:21	WG1841488
1,1,1-Trichloroethane	U		0.00273	0.00738	2	04/01/2022 12:21	WG1841488
1,1,2-Trichloroethane	U		0.00176	0.00738	2	04/01/2022 12:21	WG1841488
Trichloroethene	0.911		0.00173	0.00295	2	04/01/2022 12:21	WG1841488
Trichlorofluoromethane	U		0.00244	0.00738	2	04/01/2022 12:21	WG1841488
1,2,3-Trichloropropane	U		0.00478	0.0369	2	04/01/2022 12:21	WG1841488
1,2,4-Trimethylbenzene	U		0.00466	0.0148	2	04/01/2022 12:21	WG1841488
1,2,3-Trimethylbenzene	U		0.00466	0.0148	2	04/01/2022 12:21	WG1841488
1,3,5-Trimethylbenzene	U		0.00590	0.0148	2	04/01/2022 12:21	WG1841488
Vinyl acetate	U		0.00750	0.0369	2	04/01/2022 12:21	WG1841488
Vinyl chloride	0.542		0.00342	0.00738	2	04/01/2022 12:21	WG1841488
Xylenes, Total	0.00373	J	0.00260	0.0192	2	04/01/2022 12:21	WG1841488
(S) Toluene-d8	*108*			*75.0-131*		*04/01/2022 12:21*	WG1841488
(S) Toluene-d8	*112*			*75.0-131*		*04/01/2022 16:11*	WG1841998
(S) 4-Bromofluorobenzene	*89.2*			*67.0-138*		*04/01/2022 12:21*	WG1841488
(S) 4-Bromofluorobenzene	*94.3*			*67.0-138*		*04/01/2022 16:11*	WG1841998
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*04/01/2022 12:21*	WG1841488
(S) 1,2-Dichloroethane-d4	*97.8*			*70.0-130*		*04/01/2022 16:11*	WG1841998

Method Blank (MB)

(MB) R3775283-1 03/29/22 06:46

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00300			

L1475468-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1475468-04 03/29/22 06:46 • (DUP) R3775283-3 03/29/22 06:46

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	82.7	81.3	1	1.68		10

Laboratory Control Sample (LCS)

(LCS) R3775283-2 03/29/22 06:46

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

Method Blank (MB)

(MB) R3775627-2 03/28/22 15:05

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromochloromethane	U		0.000564	0.00500
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon disulfide	U		0.000700	0.0125
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00250
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
trans-1,4-Dichloro-2-butene	U		0.00186	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100

Method Blank (MB)

(MB) R3775627-2 03/28/22 15:05

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
2-Hexanone	U		0.00336	0.0250
n-Hexane	U		0.00226	0.00500
Iodomethane	U		0.00232	0.0125
Isopropylbenzene	U		0.000425	0.00250
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl acetate	U		0.00254	0.0125
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*88.8*			*75.0-131*
(S) 4-Bromofluorobenzene	*94.7*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*126*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3775627-1 03/28/22 14:08

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	1.20	192	10.0-160	J4
Acrylonitrile	0.625	0.971	155	45.0-153	J4
Benzene	0.125	0.112	89.6	70.0-123	
Bromobenzene	0.125	0.106	84.8	73.0-121	
Bromodichloromethane	0.125	0.146	117	73.0-121	
Bromochloromethane	0.125	0.130	104	77.0-128	
Bromoform	0.125	0.0968	77.4	64.0-132	
Bromomethane	0.125	0.0992	79.4	56.0-147	
n-Butylbenzene	0.125	0.106	84.8	68.0-135	
sec-Butylbenzene	0.125	0.109	87.2	74.0-130	
tert-Butylbenzene	0.125	0.111	88.8	75.0-127	
Carbon disulfide	0.125	0.0958	76.6	56.0-133	
Carbon tetrachloride	0.125	0.131	105	66.0-128	
Chlorobenzene	0.125	0.105	84.0	76.0-128	
Chlorodibromomethane	0.125	0.106	84.8	74.0-127	
Chloroethane	0.125	0.116	92.8	61.0-134	
Chloroform	0.125	0.120	96.0	72.0-123	
Chloromethane	0.125	0.168	134	51.0-138	
2-Chlorotoluene	0.125	0.112	89.6	75.0-124	
4-Chlorotoluene	0.125	0.0981	78.5	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.109	87.2	59.0-130	
1,2-Dibromoethane	0.125	0.112	89.6	74.0-128	
Dibromomethane	0.125	0.149	119	75.0-122	
1,2-Dichlorobenzene	0.125	0.102	81.6	76.0-124	
1,3-Dichlorobenzene	0.125	0.105	84.0	76.0-125	
1,4-Dichlorobenzene	0.125	0.0974	77.9	77.0-121	
Dichlorodifluoromethane	0.125	0.111	88.8	43.0-156	
1,1-Dichloroethane	0.125	0.139	111	70.0-127	
1,2-Dichloroethane	0.125	0.150	120	65.0-131	
1,1-Dichloroethene	0.125	0.146	117	65.0-131	
cis-1,2-Dichloroethene	0.125	0.110	88.0	73.0-125	
trans-1,2-Dichloroethene	0.125	0.109	87.2	71.0-125	
1,2-Dichloropropane	0.125	0.169	135	74.0-125	J4
1,1-Dichloropropene	0.125	0.118	94.4	73.0-125	
1,3-Dichloropropane	0.125	0.113	90.4	80.0-125	
cis-1,3-Dichloropropene	0.125	0.146	117	76.0-127	
trans-1,3-Dichloropropene	0.125	0.110	88.0	73.0-127	
trans-1,4-Dichloro-2-butene	0.125	0.131	105	45.0-143	
2,2-Dichloropropane	0.125	0.149	119	59.0-135	
Di-isopropyl ether	0.125	0.157	126	60.0-136	

Laboratory Control Sample (LCS)

(LCS) R3775627-1 03/28/22 14:08

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.125	0.0970	77.6	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.128	102	57.0-150	
2-Hexanone	0.625	0.716	115	54.0-147	
n-Hexane	0.125	0.112	89.6	55.0-137	
Iodomethane	0.625	0.569	91.0	74.0-134	
Isopropylbenzene	0.125	0.0997	79.8	72.0-127	
p-Isopropyltoluene	0.125	0.110	88.0	72.0-133	
2-Butanone (MEK)	0.625	1.02	163	30.0-160	J4
Methylene Chloride	0.125	0.112	89.6	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.737	118	56.0-143	
Methyl tert-butyl ether	0.125	0.136	109	66.0-132	
Naphthalene	0.125	0.102	81.6	59.0-130	
n-Propylbenzene	0.125	0.111	88.8	74.0-126	
Styrene	0.125	0.0925	74.0	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.106	84.8	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.120	96.0	68.0-128	
1,1,2-Trichlorotrifluoroethane	0.125	0.107	85.6	61.0-139	
Tetrachloroethene	0.125	0.0933	74.6	70.0-136	
Toluene	0.125	0.105	84.0	75.0-121	
1,2,3-Trichlorobenzene	0.125	0.119	95.2	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.121	96.8	62.0-137	
1,1,1-Trichloroethane	0.125	0.141	113	69.0-126	
1,1,2-Trichloroethane	0.125	0.111	88.8	78.0-123	
Trichloroethene	0.125	0.128	102	76.0-126	
Trichlorofluoromethane	0.125	0.0959	76.7	61.0-142	
1,2,3-Trichloropropane	0.125	0.128	102	67.0-129	
1,2,4-Trimethylbenzene	0.125	0.105	84.0	70.0-126	
1,2,3-Trimethylbenzene	0.125	0.109	87.2	74.0-124	
1,3,5-Trimethylbenzene	0.125	0.112	89.6	73.0-127	
Vinyl acetate	0.625	0.494	79.0	43.0-159	
Vinyl chloride	0.125	0.155	124	63.0-134	
Xylenes, Total	0.375	0.295	78.7	72.0-127	
(S) Toluene-d8			*100*	*75.0-131*	
(S) 4-Bromofluorobenzene			*95.9*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*127*	*70.0-130*	

L1475468-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1475468-01 03/28/22 17:04 • (MS) R3775627-3 03/28/22 22:44 • (MSD) R3775627-4 03/28/22 23:03

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.643	U	0.794	0.688	123	107	1	10.0-160			14.2	40
Acrylonitrile	0.643	U	1.05	1.13	164	176	1	10.0-160	J5	J5	7.06	40
Benzene	0.129	U	0.152	0.150	118	117	1	10.0-149			0.930	37
Bromobenzene	0.129	U	0.145	0.142	113	110	1	10.0-156			1.96	38
Bromodichloromethane	0.129	U	0.140	0.138	109	107	1	10.0-143			1.71	37
Bromochloromethane	0.129	U	0.177	0.170	138	132	1	10.0-155			4.05	33
Bromoform	0.129	U	0.128	0.130	99.8	102	1	10.0-146			1.74	36
Bromomethane	0.129	U	0.101	0.0990	78.6	77.0	1	10.0-149			1.97	38
n-Butylbenzene	0.129	U	0.142	0.138	110	107	1	10.0-160			3.02	40
sec-Butylbenzene	0.129	U	0.153	0.150	119	117	1	10.0-159			1.85	39
tert-Butylbenzene	0.129	U	0.145	0.143	113	111	1	10.0-156			0.976	39
Carbon disulfide	0.129	U	0.152	0.146	118	114	1	10.0-145			3.77	39
Carbon tetrachloride	0.129	U	0.160	0.163	125	127	1	10.0-145			1.74	37
Chlorobenzene	0.129	U	0.150	0.150	117	117	1	10.0-152			0.000	39
Chlorodibromomethane	0.129	U	0.140	0.138	109	107	1	10.0-146			1.21	37
Chloroethane	0.129	U	0.0837	0.0836	65.1	65.0	1	10.0-146			0.168	40
Chloroform	0.129	U	0.146	0.142	114	110	1	10.0-146			2.93	37
Chloromethane	0.129	U	0.125	0.160	97.2	125	1	10.0-159			24.7	37
2-Chlorotoluene	0.129	U	0.154	0.152	120	118	1	10.0-159			1.83	38
4-Chlorotoluene	0.129	U	0.146	0.131	114	102	1	10.0-155			10.8	39
1,2-Dibromo-3-Chloropropane	0.129	U	0.119	0.134	92.6	104	1	10.0-151			11.9	39
1,2-Dibromoethane	0.129	U	0.150	0.149	117	116	1	10.0-148			0.939	34
Dibromomethane	0.129	U	0.145	0.145	113	113	1	10.0-147			0.000	35
1,2-Dichlorobenzene	0.129	U	0.145	0.145	113	113	1	10.0-155			0.000	37
1,3-Dichlorobenzene	0.129	U	0.152	0.149	118	116	1	10.0-153			1.87	38
1,4-Dichlorobenzene	0.129	U	0.138	0.136	108	106	1	10.0-151			1.43	38
Dichlorodifluoromethane	0.129	U	0.150	0.142	117	110	1	10.0-160			5.77	35
1,1-Dichloroethane	0.129	U	0.169	0.173	131	134	1	10.0-147			2.47	37
1,2-Dichloroethane	0.129	U	0.150	0.146	117	114	1	10.0-148			2.84	35
1,1-Dichloroethene	0.129	0.00404	0.181	0.176	138	133	1	10.0-155			3.15	37
cis-1,2-Dichloroethene	0.129	2.87	2.57	2.46	0.000	0.000	1	10.0-149	V	V	4.47	37
trans-1,2-Dichloroethene	0.129	0.00907	0.166	0.169	122	124	1	10.0-150			1.68	37
1,2-Dichloropropane	0.129	U	0.174	0.178	136	139	1	10.0-148			2.39	37
1,1-Dichloropropene	0.129	U	0.156	0.157	121	122	1	10.0-153			0.897	35
1,3-Dichloropropane	0.129	U	0.147	0.152	115	118	1	10.0-154			2.82	35
cis-1,3-Dichloropropene	0.129	U	0.143	0.147	111	115	1	10.0-151			2.90	37
trans-1,3-Dichloropropene	0.129	U	0.142	0.140	110	109	1	10.0-148			0.995	37
trans-1,4-Dichloro-2-butene	0.129	U	0.149	0.143	116	111	1	10.0-152			3.85	36
2,2-Dichloropropane	0.129	U	0.154	0.154	120	120	1	10.0-138			0.000	36

L1475468-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1475468-01 03/28/22 17:04 • (MS) R3775627-3 03/28/22 22:44 • (MSD) R3775627-4 03/28/22 23:03

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Di-isopropyl ether	0.129	U	0.194	0.197	151	153	1	10.0-147	J5	J5	1.44	36
Ethylbenzene	0.129	U	0.142	0.139	110	108	1	10.0-160			2.30	38
Hexachloro-1,3-butadiene	0.129	U	0.170	0.169	132	131	1	10.0-160			0.830	40
2-Hexanone	0.643	U	0.824	0.833	128	129	1	10.0-160			1.02	36
n-Hexane	0.129	U	0.192	0.171	150	133	1	10.0-157			11.6	37
Iodomethane	0.643	U	0.711	0.688	110	107	1	10.0-160			3.21	38
Isopropylbenzene	0.129	U	0.147	0.146	115	114	1	10.0-155			0.957	38
p-Isopropyltoluene	0.129	U	0.149	0.146	116	114	1	10.0-160			1.90	40
2-Butanone (MEK)	0.643	U	1.01	0.983	157	153	1	10.0-160			2.54	40
Methylene Chloride	0.129	U	0.152	0.149	118	116	1	10.0-141			1.87	37
4-Methyl-2-pentanone (MIBK)	0.643	U	0.871	0.879	135	137	1	10.0-160			0.963	35
Methyl tert-butyl ether	0.129	U	0.164	0.162	128	126	1	11.0-147			1.72	35
Naphthalene	0.129	U	0.125	0.138	96.9	107	1	10.0-160			10.3	36
n-Propylbenzene	0.129	U	0.150	0.145	117	113	1	10.0-158			3.81	38
Styrene	0.129	U	0.133	0.133	104	103	1	10.0-160			0.211	40
1,1,1,2-Tetrachloroethane	0.129	U	0.149	0.153	116	119	1	10.0-149			2.79	39
1,1,2,2-Tetrachloroethane	0.129	U	0.147	0.147	115	115	1	10.0-160			0.000	35
1,1,2-Trichlorotrifluoroethane	0.129	U	0.138	0.130	108	101	1	10.0-160			5.97	36
Tetrachloroethene	0.129	0.511	0.698	0.670	145	123	1	10.0-156			4.11	39
Toluene	0.129	U	0.153	0.149	119	116	1	10.0-156			2.79	38
1,2,3-Trichlorobenzene	0.129	U	0.133	0.146	103	114	1	10.0-160			9.68	40
1,2,4-Trichlorobenzene	0.129	U	0.147	0.153	115	119	1	10.0-160			3.74	40
1,1,1-Trichloroethane	0.129	U	0.164	0.169	128	131	1	10.0-144			2.53	35
1,1,2-Trichloroethane	0.129	U	0.147	0.146	115	114	1	10.0-160			0.957	35
Trichloroethene	0.129	0.736	0.786	0.771	39.3	27.3	1	10.0-156			1.98	38
Trichlorofluoromethane	0.129	U	0.0847	0.0850	65.9	66.1	1	10.0-160			0.331	40
1,2,3-Trichloropropane	0.129	U	0.152	0.153	118	119	1	10.0-156			0.922	35
1,2,4-Trimethylbenzene	0.129	0.00656	0.145	0.142	107	105	1	10.0-160			1.96	36
1,2,3-Trimethylbenzene	0.129	U	0.146	0.143	114	111	1	10.0-160			1.94	36
1,3,5-Trimethylbenzene	0.129	U	0.147	0.146	115	114	1	10.0-160			0.957	38
Vinyl acetate	0.643	U	0.514	0.490	79.9	76.2	1	10.0-128			4.76	40
Vinyl chloride	0.129	0.479	0.527	0.508	37.2	23.0	1	10.0-160			3.53	37
Xylenes, Total	0.386	0.00126	0.449	0.441	116	114	1	10.0-160			1.89	38
(S) Toluene-d8					*105*	*105*		*75.0-131*				
(S) 4-Bromofluorobenzene					*99.6*	*99.6*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*103*	*104*		*70.0-130*				

Method Blank (MB)

(MB) R3776463-2 04/01/22 07:14

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromochloromethane	U		0.000564	0.00500
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon disulfide	U		0.000700	0.0125
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00250
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
trans-1,4-Dichloro-2-butene	U		0.00186	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100

Method Blank (MB)

(MB) R3776463-2 04/01/22 07:14

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
2-Hexanone	U		0.00336	0.0250
n-Hexane	U		0.00226	0.00500
Iodomethane	U		0.00232	0.0125
Isopropylbenzene	U		0.000425	0.00250
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl acetate	U		0.00254	0.0125
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*109*			*75.0-131*
(S) 4-Bromofluorobenzene	*83.5*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*97.6*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3776463-1 04/01/22 05:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.842	135	10.0-160	
Acrylonitrile	0.625	0.712	114	45.0-153	
Benzene	0.125	0.127	102	70.0-123	
Bromobenzene	0.125	0.135	108	73.0-121	
Bromodichloromethane	0.125	0.121	96.8	73.0-121	
Bromochloromethane	0.125	0.148	118	77.0-128	
Bromoform	0.125	0.0809	64.7	64.0-132	
Bromomethane	0.125	0.112	89.6	56.0-147	
n-Butylbenzene	0.125	0.123	98.4	68.0-135	
sec-Butylbenzene	0.125	0.129	103	74.0-130	
tert-Butylbenzene	0.125	0.131	105	75.0-127	
Carbon disulfide	0.125	0.120	96.0	56.0-133	
Carbon tetrachloride	0.125	0.105	84.0	66.0-128	
Chlorobenzene	0.125	0.126	101	76.0-128	
Chlorodibromomethane	0.125	0.113	90.4	74.0-127	
Chloroethane	0.125	0.120	96.0	61.0-134	
Chloroform	0.125	0.131	105	72.0-123	
Chloromethane	0.125	0.129	103	51.0-138	
2-Chlorotoluene	0.125	0.136	109	75.0-124	
4-Chlorotoluene	0.125	0.138	110	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.110	88.0	59.0-130	
1,2-Dibromoethane	0.125	0.138	110	74.0-128	
Dibromomethane	0.125	0.131	105	75.0-122	
1,2-Dichlorobenzene	0.125	0.126	101	76.0-124	
1,3-Dichlorobenzene	0.125	0.129	103	76.0-125	
1,4-Dichlorobenzene	0.125	0.120	96.0	77.0-121	
Dichlorodifluoromethane	0.125	0.122	97.6	43.0-156	
1,1-Dichloroethane	0.125	0.126	101	70.0-127	
1,2-Dichloroethane	0.125	0.126	101	65.0-131	
1,1-Dichloroethene	0.125	0.137	110	65.0-131	
cis-1,2-Dichloroethene	0.125	0.130	104	73.0-125	
trans-1,2-Dichloroethene	0.125	0.137	110	71.0-125	
1,2-Dichloropropane	0.125	0.129	103	74.0-125	
1,1-Dichloropropene	0.125	0.133	106	73.0-125	
1,3-Dichloropropane	0.125	0.136	109	80.0-125	
cis-1,3-Dichloropropene	0.125	0.118	94.4	76.0-127	
trans-1,3-Dichloropropene	0.125	0.114	91.2	73.0-127	
trans-1,4-Dichloro-2-butene	0.125	0.0696	55.7	45.0-143	
2,2-Dichloropropane	0.125	0.0954	76.3	59.0-135	
Di-isopropyl ether	0.125	0.133	106	60.0-136	

Laboratory Control Sample (LCS)

(LCS) R3776463-1 04/01/22 05:55

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	0.114	91.2	57.0-150	
2-Hexanone	0.625	0.679	109	54.0-147	
n-Hexane	0.125	0.119	95.2	55.0-137	
Iodomethane	0.625	0.662	106	74.0-134	
Isopropylbenzene	0.125	0.126	101	72.0-127	
p-Isopropyltoluene	0.125	0.125	100	72.0-133	
2-Butanone (MEK)	0.625	0.777	124	30.0-160	
Methylene Chloride	0.125	0.134	107	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.775	124	56.0-143	
Methyl tert-butyl ether	0.125	0.111	88.8	66.0-132	
Naphthalene	0.125	0.159	127	59.0-130	
n-Propylbenzene	0.125	0.138	110	74.0-126	
Styrene	0.125	0.123	98.4	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.114	91.2	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.135	108	68.0-128	
1,1,2-Trichlorotrifluoroethane	0.125	0.123	98.4	61.0-139	
Tetrachloroethene	0.125	0.142	114	70.0-136	
Toluene	0.125	0.133	106	75.0-121	
1,2,3-Trichlorobenzene	0.125	0.141	113	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.157	126	62.0-137	
1,1,1-Trichloroethane	0.125	0.132	106	69.0-126	
1,1,2-Trichloroethane	0.125	0.137	110	78.0-123	
Trichloroethene	0.125	0.147	118	76.0-126	
Trichlorofluoromethane	0.125	0.114	91.2	61.0-142	
1,2,3-Trichloropropane	0.125	0.146	117	67.0-129	
1,2,4-Trimethylbenzene	0.125	0.130	104	70.0-126	
1,2,3-Trimethylbenzene	0.125	0.127	102	74.0-124	
1,3,5-Trimethylbenzene	0.125	0.123	98.4	73.0-127	
Vinyl acetate	0.625	0.444	71.0	43.0-159	
Vinyl chloride	0.125	0.115	92.0	63.0-134	
Xylenes, Total	0.375	0.376	100	72.0-127	
(S) Toluene-d8			*101*	*75.0-131*	
(S) 4-Bromofluorobenzene			*90.8*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*97.1*	*70.0-130*	

Method Blank (MB)

(MB) R3776731-2 04/01/22 14:45

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
cis-1,2-Dichloroethene	U		0.000734	0.00250
(S) Toluene-d8	*116*			*75.0-131*
(S) 4-Bromofluorobenzene	*91.4*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*93.3*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3776731-1 04/01/22 13:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
cis-1,2-Dichloroethene	0.125	0.112	89.6	73.0-125	
(S) Toluene-d8			*115*	*75.0-131*	
(S) 4-Bromofluorobenzene			*90.8*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*94.8*	*70.0-130*	

GLOSSARY OF TERMS

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
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
C4	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
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	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
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

* 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 Analytical.

Company Name/Address:
PES Environmental, Inc.- WA

2101 Fourth Ave., Suite 1310
Seattle, WA 98121

Billing Information:
Attn: Accounts Payable
2101 4th Avenue, Suite 1310
Seattle, WA 98121

Pres Chk

Report to:
Brian O'Neal/Bill Haldeman

Email To:
Shannon.McKernan@nv5.com;brian.oneal@nv5

Project Description:
American Linen

City/State Collected: Seattle, WA

Please Circle: PT MT CT ET

Phone: 206-529-3980

Client Project #
1413.001.05.504

Lab Project #
PESENVSWA-ALP

Collected by (print):
Ben Hecht

Site/Facility ID #

P.O. #
443018-1413001.05.601

Collected by (signature):
BH

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
Standard

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	M6010CAM17 4ozClr-NoPres	V8260C 40mlAmb/MeOH10ml/Syr	dry weight 4ozClr-NoPres	Remarks	Sample # (lab only)
IWS-03-39	Grab	SS	39	3-21-22	1305	2		X			-01
IWS-02-41.5		SS	41.5	3-22-22	1025	2		X			-02
IWS-10-46		SS	46	3-23-22	1128	2		X			-03
IWS-09-47		SS	47	3-24-22	1045	2		X			-04
TB-032422	-	-	-	3-24-22	1630	1		X			-05

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L475468
F135

Acctnum: PESENVSWA
Template: T205181
Prelogin: P910969
PM: 546 - Jared Starkey
PB:

Shipped Via:

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

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 552859471454

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:	If preservation required by Login: Date/Time
BH	3-24-2022	1615		Yes / No HCL / MeoH TBR	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: DRAFT °C 2.7+0=2.7 Bottles Received: 8	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 03/25/22 Time: 0900	Hold: / Condition: NCF / OK

ANALYTICAL REPORT

April 07, 2022

PES Environmental, Inc.- WA

Sample Delivery Group:	L1477021
Samples Received:	03/31/2022
Project Number:	1413.001.05.504
Description:	American Linen
Report To:	Brian O'Neal/Bill Haldeman
	2101 Fourth Ave., Suite 1310
	Seattle, WA 98121

Entire Report Reviewed By:

Jared Starkey
Project Manager

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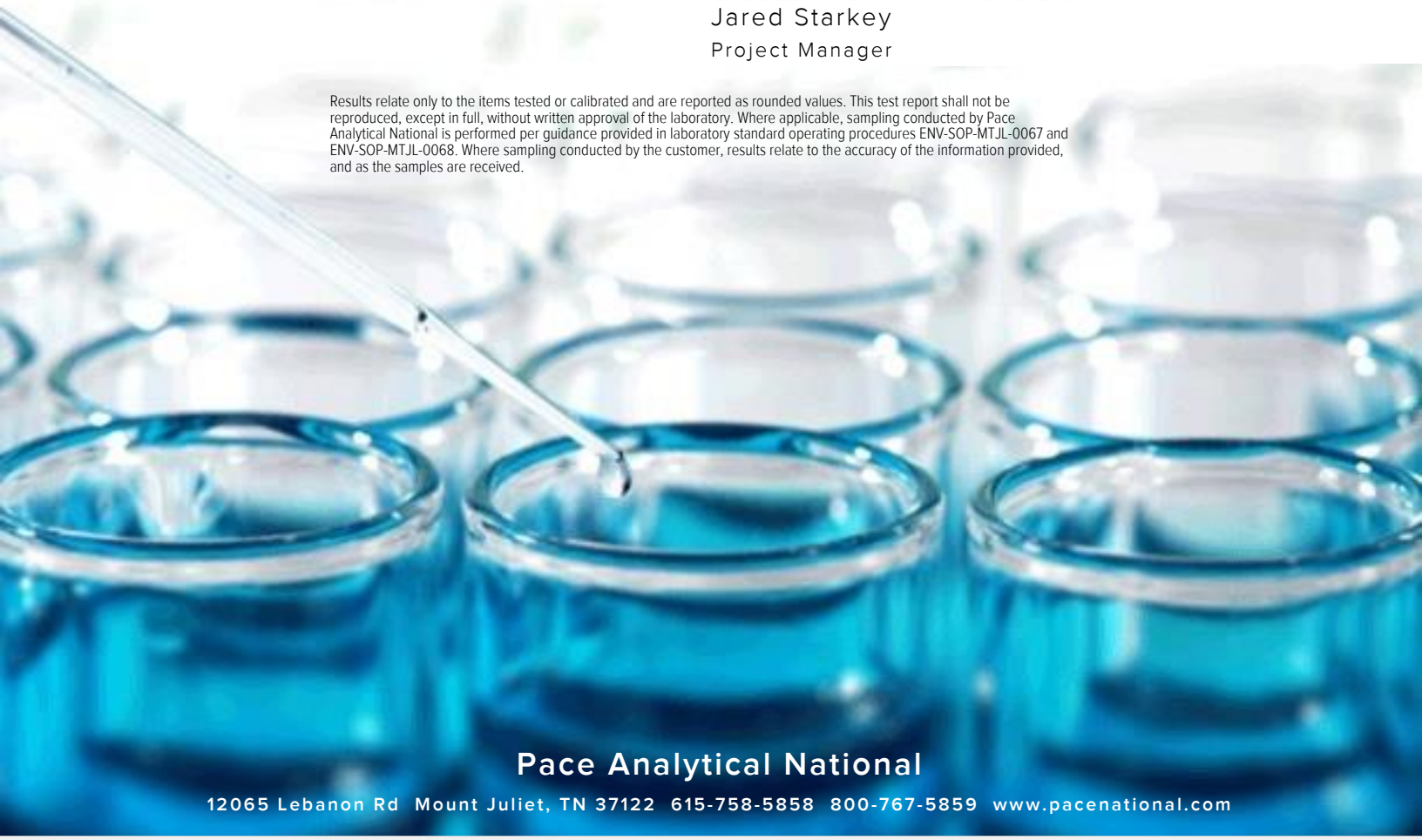

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MW-349-033022 L1477021-01 GW

Collected by: Ben Hecht
Collected date/time: 03/30/22 15:30
Received date/time: 03/31/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1841124	1	03/31/22 18:48	03/31/22 18:48	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1843658	1	04/06/22 21:50	04/06/22 21:50	GJA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1843886	1	04/06/22 14:13	04/06/22 14:13	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1842362	1	04/03/22 13:34	04/03/22 13:34	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1842647	5	04/04/22 19:21	04/04/22 19:21	ACG	Mt. Juliet, TN

CASE NARRATIVE

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

Jared Starkey
Project Manager

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	38600		379	1000	1	03/31/2022 18:48	WG1841124
Nitrate	U		48.0	100	1	03/31/2022 18:48	WG1841124
Sulfate	44400		594	5000	1	03/31/2022 18:48	WG1841124

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)	1960	B	102	1000	1	04/06/2022 21:50	WG1843658

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	143		0.287	0.678	1	04/06/2022 14:13	WG1843886
Ethane	U		0.296	1.29	1	04/06/2022 14:13	WG1843886
Ethene	5.74		0.422	1.27	1	04/06/2022 14:13	WG1843886

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.83	C5	0.548	1.00	1	04/03/2022 13:34	WG1842362
Acrylonitrile	U		0.0760	0.500	1	04/03/2022 13:34	WG1842362
Benzene	0.0290	J	0.0160	0.0400	1	04/03/2022 13:34	WG1842362
Bromobenzene	U		0.0420	0.500	1	04/03/2022 13:34	WG1842362
Bromodichloromethane	U		0.0315	0.100	1	04/03/2022 13:34	WG1842362
Bromoform	U		0.239	1.00	1	04/03/2022 13:34	WG1842362
Bromomethane	U		0.148	0.500	1	04/03/2022 13:34	WG1842362
n-Butylbenzene	U		0.153	0.500	1	04/03/2022 13:34	WG1842362
sec-Butylbenzene	U		0.101	0.500	1	04/03/2022 13:34	WG1842362
tert-Butylbenzene	U		0.0620	0.200	1	04/03/2022 13:34	WG1842362
Carbon tetrachloride	U		0.0432	0.200	1	04/03/2022 13:34	WG1842362
Chlorobenzene	U		0.0229	0.100	1	04/03/2022 13:34	WG1842362
Chlorodibromomethane	U		0.0180	0.100	1	04/03/2022 13:34	WG1842362
Chloroethane	U		0.0432	0.200	1	04/03/2022 13:34	WG1842362
Chloroform	U		0.0166	0.100	1	04/03/2022 13:34	WG1842362
Chloromethane	U		0.0556	0.500	1	04/03/2022 13:34	WG1842362
2-Chlorotoluene	U		0.0368	0.100	1	04/03/2022 13:34	WG1842362
4-Chlorotoluene	U		0.0452	0.200	1	04/03/2022 13:34	WG1842362
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	04/03/2022 13:34	WG1842362
1,2-Dibromoethane	U		0.0210	0.100	1	04/03/2022 13:34	WG1842362
Dibromomethane	U		0.0400	0.200	1	04/03/2022 13:34	WG1842362
1,2-Dichlorobenzene	U		0.0580	0.200	1	04/03/2022 13:34	WG1842362
1,3-Dichlorobenzene	U		0.0680	0.200	1	04/03/2022 13:34	WG1842362
1,4-Dichlorobenzene	U		0.0788	0.200	1	04/03/2022 13:34	WG1842362
Dichlorodifluoromethane	U		0.0327	0.100	1	04/03/2022 13:34	WG1842362
1,1-Dichloroethane	U		0.0230	0.100	1	04/03/2022 13:34	WG1842362
1,2-Dichloroethane	U		0.0190	0.100	1	04/03/2022 13:34	WG1842362
1,1-Dichloroethene	0.185		0.0200	0.100	1	04/03/2022 13:34	WG1842362
cis-1,2-Dichloroethene	47.1		0.0276	0.100	1	04/03/2022 13:34	WG1842362
trans-1,2-Dichloroethene	U		0.0572	0.200	1	04/03/2022 13:34	WG1842362
1,2-Dichloropropane	U		0.0508	0.200	1	04/03/2022 13:34	WG1842362
1,1-Dichloropropene	U		0.0280	0.100	1	04/03/2022 13:34	WG1842362
1,3-Dichloropropane	U		0.0700	0.200	1	04/03/2022 13:34	WG1842362
cis-1,3-Dichloropropene	U		0.0271	0.100	1	04/03/2022 13:34	WG1842362
trans-1,3-Dichloropropene	U		0.0612	0.200	1	04/03/2022 13:34	WG1842362

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
2,2-Dichloropropane	U	C3	0.0317	0.100	1	04/03/2022 13:34	WG1842362
Di-isopropyl ether	U	C3	0.0140	0.0400	1	04/03/2022 13:34	WG1842362
Ethylbenzene	0.243		0.0212	0.100	1	04/03/2022 13:34	WG1842362
Hexachloro-1,3-butadiene	U		0.508	1.00	1	04/03/2022 13:34	WG1842362
Isopropylbenzene	U		0.0345	0.100	1	04/03/2022 13:34	WG1842362
p-Isopropyltoluene	U		0.0932	0.200	1	04/03/2022 13:34	WG1842362
2-Butanone (MEK)	U		0.500	1.00	1	04/03/2022 13:34	WG1842362
Methylene Chloride	U		0.265	1.00	1	04/03/2022 13:34	WG1842362
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	04/03/2022 13:34	WG1842362
Methyl tert-butyl ether	U		0.0118	0.0400	1	04/03/2022 13:34	WG1842362
Naphthalene	U		0.124	0.500	1	04/03/2022 13:34	WG1842362
n-Propylbenzene	U		0.0472	0.200	1	04/03/2022 13:34	WG1842362
Styrene	U		0.109	0.500	1	04/03/2022 13:34	WG1842362
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	04/03/2022 13:34	WG1842362
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	04/03/2022 13:34	WG1842362
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	04/03/2022 13:34	WG1842362
Tetrachloroethene	U		0.0280	0.100	1	04/03/2022 13:34	WG1842362
Toluene	0.836		0.0500	0.200	1	04/03/2022 13:34	WG1842362
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	04/03/2022 13:34	WG1842362
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	04/03/2022 13:34	WG1842362
1,1,1-Trichloroethane	U		0.0110	0.100	1	04/03/2022 13:34	WG1842362
1,1,2-Trichloroethane	U		0.0353	0.100	1	04/03/2022 13:34	WG1842362
Trichloroethene	0.319		0.0160	0.0400	1	04/03/2022 13:34	WG1842362
Trichlorofluoromethane	U	J4	0.0200	0.100	1	04/03/2022 13:34	WG1842362
1,2,3-Trichloropropane	U		0.204	0.500	1	04/03/2022 13:34	WG1842362
1,2,4-Trimethylbenzene	0.0800	J	0.0464	0.200	1	04/03/2022 13:34	WG1842362
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	04/03/2022 13:34	WG1842362
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	04/03/2022 13:34	WG1842362
Vinyl chloride	68.0		0.137	0.500	5	04/04/2022 19:21	WG1842647
Xylenes, Total	1.33		0.191	0.260	1	04/03/2022 13:34	WG1842362
Ethyl Ether	U		0.0170	0.100	1	04/03/2022 13:34	WG1842362
Tetrahydrofuran	2.96		0.0900	0.500	1	04/03/2022 13:34	WG1842362
Iodomethane	U		0.242	0.500	1	04/03/2022 13:34	WG1842362
Allyl chloride	U		0.580	1.00	1	04/03/2022 13:34	WG1842362
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	04/03/2022 13:34	WG1842362
(S) Toluene-d8	*107*			*75.0-131*		*04/03/2022 13:34*	WG1842362
(S) Toluene-d8	*107*			*75.0-131*		*04/04/2022 19:21*	WG1842647
(S) 4-Bromofluorobenzene	*99.4*			*67.0-138*		*04/03/2022 13:34*	WG1842362
(S) 4-Bromofluorobenzene	*93.1*			*67.0-138*		*04/04/2022 19:21*	WG1842647
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*04/03/2022 13:34*	WG1842362
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*04/04/2022 19:21*	WG1842647

Method Blank (MB)

(MB) R3776677-1 03/31/22 09:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Chloride	U		379	1000
Nitrate	U		48.0	100
Sulfate	U		594	5000

L1476942-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1476942-01 03/31/22 13:14 • (DUP) R3776677-3 03/31/22 13:27

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	1690	1730	1	2.33		15
Nitrate	U	74.1	1	0.000		15
Sulfate	12800	12600	1	1.58		15

L1477014-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1477014-01 03/31/22 16:08 • (DUP) R3776677-6 03/31/22 16:48

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate	U	U	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R3776677-2 03/31/22 09:42

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40000	39300	98.1	80.0-120	
Nitrate	8000	7940	99.3	80.0-120	
Sulfate	40000	40500	101	80.0-120	

L1476942-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1476942-01 03/31/22 13:14 • (MS) R3776677-4 03/31/22 14:07 • (MSD) R3776677-5 03/31/22 14:21

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	1690	52700	49800	102	96.3	1	80.0-120			5.50	15
Nitrate	5000	U	5100	4800	101	94.9	1	80.0-120			6.06	15
Sulfate	50000	12800	64900	60700	104	95.6	1	80.0-120			6.80	15

L1477014-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1477014-01 03/31/22 16:08 • (MS) R3776677-7 03/31/22 17:02

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	1190000	1190000	3.79	1	80.0-120	E V
Nitrate	5000	U	5070	101	1	80.0-120	
Sulfate	50000	375000	338000	0.000	1	80.0-120	E V

QUALITY CONTROL SUMMARY

L1477021-01

Method Blank (MB)

(MB) R3778489-2 04/06/22 12:50

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	370	J	102	1000

L1476883-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1476883-07 04/06/22 19:27 • (DUP) R3778489-5 04/06/22 19:41

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	1980	2010	1	1.70		20

L1477033-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1477033-03 04/06/22 22:29 • (DUP) R3778489-8 04/06/22 22:41

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	892	835	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3778489-1 04/06/22 12:38

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75000	74400	99.3	85.0-115	

L1476883-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1476883-04 04/06/22 17:50 • (MS) R3778489-3 04/06/22 18:13 • (MSD) R3778489-4 04/06/22 18:36

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	1550	50300	50300	97.5	97.5	1	80.0-120			0.0596	20

L1476935-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1476935-01 04/06/22 20:43 • (MS) R3778489-6 04/06/22 21:00 • (MSD) R3778489-7 04/06/22 21:17

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	1170	53200	53300	104	104	1	80.0-120			0.169	20

Method Blank (MB)

(MB) R3778240-2 04/06/22 12:30

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

L1477021-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1477021-01 04/06/22 14:13 • (DUP) R3778240-3 04/06/22 14:16

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	143	150	1	4.78		20
Ethane	U	U	1	0.000		20
Ethene	5.74	6.01	1	4.60		20

L1477120-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1477120-02 04/06/22 14:55 • (DUP) R3778240-4 04/06/22 15:02

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	392	439	1	11.3		20
Ethane	U	U	1	0.000		20
Ethene	U	U	1	0.000		20

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

(LCS) R3778240-1 04/06/22 12:25 • (LCSD) R3778240-5 04/06/22 15:06

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methane	67.8	67.2	67.1	99.1	99.0	85.0-115			0.149	20
Ethane	129	114	113	88.4	87.6	85.0-115			0.881	20
Ethene	127	116	114	91.3	89.8	85.0-115			1.74	20

Method Blank (MB)

(MB) R3777103-2 04/03/22 11:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		0.548	1.00
Acrylonitrile	U		0.0760	0.500
Benzene	U		0.0160	0.0400
Bromobenzene	U		0.0420	0.500
Bromodichloromethane	U		0.0315	0.100
Bromoform	U		0.239	1.00
Bromomethane	U		0.148	0.500
n-Butylbenzene	U		0.153	0.500
sec-Butylbenzene	U		0.101	0.500
tert-Butylbenzene	U		0.0620	0.200
Carbon tetrachloride	U		0.0432	0.200
Chlorobenzene	U		0.0229	0.100
Chlorodibromomethane	U		0.0180	0.100
Chloroethane	U		0.0432	0.200
Chloroform	U		0.0166	0.100
Chloromethane	U		0.0556	0.500
2-Chlorotoluene	U		0.0368	0.100
4-Chlorotoluene	U		0.0452	0.200
1,2-Dibromo-3-Chloropropane	U		0.204	1.00
1,2-Dibromoethane	U		0.0210	0.100
Dibromomethane	U		0.0400	0.200
1,2-Dichlorobenzene	U		0.0580	0.200
1,3-Dichlorobenzene	U		0.0680	0.200
1,4-Dichlorobenzene	U		0.0788	0.200
Dichlorodifluoromethane	U		0.0327	0.100
1,1-Dichloroethane	U		0.0230	0.100
1,2-Dichloroethane	U		0.0190	0.100
1,1-Dichloroethene	U		0.0200	0.100
cis-1,2-Dichloroethene	U		0.0276	0.100
trans-1,2-Dichloroethene	U		0.0572	0.200
1,2-Dichloropropane	U		0.0508	0.200
1,1-Dichloropropene	U		0.0280	0.100
1,3-Dichloropropane	U		0.0700	0.200
cis-1,3-Dichloropropene	U		0.0271	0.100
trans-1,3-Dichloropropene	U		0.0612	0.200
2,2-Dichloropropane	U		0.0317	0.100
Di-isopropyl ether	U		0.0140	0.0400
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

Method Blank (MB)

(MB) R3777103-2 04/03/22 11:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
p-Isopropyltoluene	U		0.0932	0.200
2-Butanone (MEK)	U		0.500	1.00
Methylene Chloride	U		0.265	1.00
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00
Methyl tert-butyl ether	U		0.0118	0.0400
Naphthalene	U		0.124	0.500
n-Propylbenzene	U		0.0472	0.200
Styrene	U		0.109	0.500
1,1,1,2-Tetrachloroethane	U		0.0200	0.100
1,1,2,2-Tetrachloroethane	U		0.0156	0.100
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100
Tetrachloroethene	U		0.0280	0.100
Toluene	U		0.0500	0.200
1,2,3-Trichlorobenzene	U		0.0250	0.500
1,2,4-Trichlorobenzene	U		0.193	0.500
1,1,1-Trichloroethane	U		0.0110	0.100
1,1,2-Trichloroethane	U		0.0353	0.100
Trichloroethene	U		0.0160	0.0400
Trichlorofluoromethane	U		0.0200	0.100
1,2,3-Trichloropropane	U		0.204	0.500
1,2,4-Trimethylbenzene	U		0.0464	0.200
1,2,3-Trimethylbenzene	U		0.0460	0.200
1,3,5-Trimethylbenzene	U		0.0432	0.200
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	U		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	*111*			*75.0-131*
(S) 4-Bromofluorobenzene	*96.3*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*99.9*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3777103-1 04/03/22 10:27

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	31.0	124	10.0-160	
Acrylonitrile	25.0	22.2	88.8	45.0-153	
Benzene	5.00	4.68	93.6	70.0-123	
Bromobenzene	5.00	5.25	105	73.0-121	
Bromodichloromethane	5.00	4.95	99.0	73.0-121	
Bromoform	5.00	5.40	108	64.0-132	
Bromomethane	5.00	7.24	145	56.0-147	
n-Butylbenzene	5.00	4.49	89.8	68.0-135	
sec-Butylbenzene	5.00	4.54	90.8	74.0-130	
tert-Butylbenzene	5.00	4.73	94.6	75.0-127	
Carbon tetrachloride	5.00	5.76	115	66.0-128	
Chlorobenzene	5.00	5.54	111	76.0-128	
Chlorodibromomethane	5.00	5.68	114	74.0-127	
Chloroethane	5.00	5.99	120	61.0-134	
Chloroform	5.00	5.15	103	72.0-123	
Chloromethane	5.00	4.02	80.4	51.0-138	
2-Chlorotoluene	5.00	5.11	102	75.0-124	
4-Chlorotoluene	5.00	4.52	90.4	75.0-124	
1,2-Dibromo-3-Chloropropane	5.00	4.68	93.6	59.0-130	
1,2-Dibromoethane	5.00	5.53	111	74.0-128	
Dibromomethane	5.00	5.45	109	75.0-122	
1,2-Dichlorobenzene	5.00	5.34	107	76.0-124	
1,3-Dichlorobenzene	5.00	5.25	105	76.0-125	
1,4-Dichlorobenzene	5.00	5.08	102	77.0-121	
Dichlorodifluoromethane	5.00	5.64	113	43.0-156	
1,1-Dichloroethane	5.00	4.56	91.2	70.0-127	
1,2-Dichloroethane	5.00	4.97	99.4	65.0-131	
1,1-Dichloroethene	5.00	4.93	98.6	65.0-131	
cis-1,2-Dichloroethene	5.00	4.65	93.0	73.0-125	
trans-1,2-Dichloroethene	5.00	4.79	95.8	71.0-125	
1,2-Dichloropropane	5.00	4.68	93.6	74.0-125	
1,1-Dichloropropene	5.00	5.29	106	73.0-125	
1,3-Dichloropropane	5.00	5.08	102	80.0-125	
cis-1,3-Dichloropropene	5.00	4.99	99.8	76.0-127	
trans-1,3-Dichloropropene	5.00	4.81	96.2	73.0-127	
2,2-Dichloropropane	5.00	3.91	78.2	59.0-135	
Di-isopropyl ether	5.00	3.88	77.6	60.0-136	
Ethylbenzene	5.00	5.53	111	74.0-126	
Hexachloro-1,3-butadiene	5.00	4.74	94.8	57.0-150	
Isopropylbenzene	5.00	5.67	113	72.0-127	

Laboratory Control Sample (LCS)

(LCS) R3777103-1 04/03/22 10:27

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
p-Isopropyltoluene	5.00	4.78	95.6	72.0-133	
2-Butanone (MEK)	25.0	26.3	105	30.0-160	
Methylene Chloride	5.00	4.86	97.2	68.0-123	
4-Methyl-2-pentanone (MIBK)	25.0	24.6	98.4	56.0-143	
Methyl tert-butyl ether	5.00	4.80	96.0	66.0-132	
Naphthalene	5.00	5.70	114	59.0-130	
n-Propylbenzene	5.00	4.81	96.2	74.0-126	
Styrene	5.00	5.30	106	72.0-127	
1,1,1,2-Tetrachloroethane	5.00	6.00	120	74.0-129	
1,1,2,2-Tetrachloroethane	5.00	4.54	90.8	68.0-128	
1,1,2-Trichlorotrifluoroethane	5.00	5.94	119	61.0-139	
Tetrachloroethene	5.00	6.30	126	70.0-136	
Toluene	5.00	5.25	105	75.0-121	
1,2,3-Trichlorobenzene	5.00	5.12	102	59.0-139	
1,2,4-Trichlorobenzene	5.00	5.57	111	62.0-137	
1,1,1-Trichloroethane	5.00	5.26	105	69.0-126	
1,1,2-Trichloroethane	5.00	5.44	109	78.0-123	
Trichloroethene	5.00	5.99	120	76.0-126	
Trichlorofluoromethane	5.00	7.18	144	61.0-142	J4
1,2,3-Trichloropropane	5.00	5.26	105	67.0-129	
1,2,4-Trimethylbenzene	5.00	4.59	91.8	70.0-126	
1,2,3-Trimethylbenzene	5.00	4.61	92.2	74.0-124	
1,3,5-Trimethylbenzene	5.00	4.76	95.2	73.0-127	
Xylenes, Total	15.0	16.5	110	72.0-127	
Ethyl ether	5.00	4.13	82.6	64.0-137	
Tetrahydrofuran	5.00	4.14	82.8	37.0-146	
Iodomethane	25.0	29.5	118	74.0-134	
Allyl chloride	25.0	21.3	85.2	70.0-131	
trans-1,4-Dichloro-2-butene	5.00	2.64	52.8	45.0-143	
(S) Toluene-d8			*109*	*75.0-131*	
(S) 4-Bromofluorobenzene			*99.4*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*103*	*70.0-130*	

Method Blank (MB)

(MB) R3777757-2 04/04/22 17:17

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Vinyl chloride	U		0.0273	0.100
(S) Toluene-d8	*106*			*75.0-131*
(S) 4-Bromofluorobenzene	*96.3*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3777757-1 04/04/22 15:10

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Vinyl chloride	5.00	5.05	101	63.0-134	
(S) Toluene-d8			*106*	*75.0-131*	
(S) 4-Bromofluorobenzene			*97.5*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*113*	*70.0-130*	

GLOSSARY OF TERMS

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

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
B	The same analyte is found in the associated blank.
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
C4	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.
C5	The reported concentration is an estimate. The continuing calibration standard associated with this data responded high. Data is likely to show a high bias concerning the result.
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.
J4	The associated batch QC was outside the established quality control range for accuracy.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
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	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
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

* 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 Analytical.

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: C231

ALL SHADED AREAS are for LAB USE ONLY

Company: PES Environmental, Inc. - WA 1215 Fourth Ave., Suite 1350 Seattle, WA 98161 ~~98101~~ 98121 2101 4th Ave. Ste 1310	Billing Information: 2101 4th Ave Ste 1310 Attn: Accounts Payable 1215 Fourth Ave. Ste 1350 Seattle WA, 98121 Seattle, WA 98161
Address:	
Report To: Brian Oneal / Bill Haldeman	Email To: ~~boneal@pesenv.com~~ Brian.Oneal@nvs.com ~~bhaldeman@pesenv.com~~ Bill.Haldeman@nvs.com
Copy To: kspringstead@pesenv.com	Site Collection Info/Address:
Customer Project Name/Number: 1413.001.05.~~305~~ 504	State: WA / County/City: Seattle Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET
Phone: 206-529-3980 Email: boneal@pesenv.com	Site/Facility ID #: American Linen
Collected By (print): Brian Oneal	Purchase Order #: Quote #:
Collected By (signature):	Turnaround Date Required: Standard TAT
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)

Compliance Monitoring? [ ] Yes [ ] No

DW PWS ID #: DW Location Code:

Immediately Packed on Ice: [✓] Yes [ ] No

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis: _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Container Preservative Type **: 2

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	*NO3, SO4, CL* 125 ml HDPE-No Pres	Alkalinity 125 ml HDPE - No Pres	EEM (RSK175LL) 40mlAmb-HCl	NWTPHGX 40mlAmb-HCl	TOC 250mlAmb-HCl	Total Fe Mn 6020 250mlHDPE-HNO3	VOCs (V8260LLc)40mlAmb-HCl	Chloride 250 mL	Nitrate 250 mL	Sulfate 250 mL
MW-349-033022	GW	Grab	3/30/22	1530				7			X		X		X	X	X	X

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips: _____			
Sample pH Acceptable	Y	N	NA
pH Strips: _____			
Sulfide Present	Y	N	NA
Lead Acetate Strips: _____			

LAB USE ONLY:
Lab Sample # / Comments: L1477021 -01

Customer Remarks / Special Conditions / Possible Hazards: NVS pricing (National) for 2022

Type of Ice Used: (Wet) Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N (NA)

SHORT HOLDS PRESENT (<72 hours): (Y) N N/A

Lab Tracking #: 5433-8382-1733

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y (N) NA
Therm ID#: _____
Cooler 1 Temp Upon Receipt: _____oC
Cooler 1 Therm Corr. Factor: _____oC
Cooler 1 Corrected Temp: _____oC
Comments:

Relinquished by/Company: (Signature)	Date/Time: 3-30-22/16:30	Received by/Company: (Signature) Adriana Tumas	Date/Time: 3.31.22 0900
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y (N) NA
HCL MeOH TSP Other

Non Conformance(s): YES / (NO)

Page: _____ of: _____

ANALYTICAL REPORT

April 08, 2022

PES Environmental, Inc.- WA

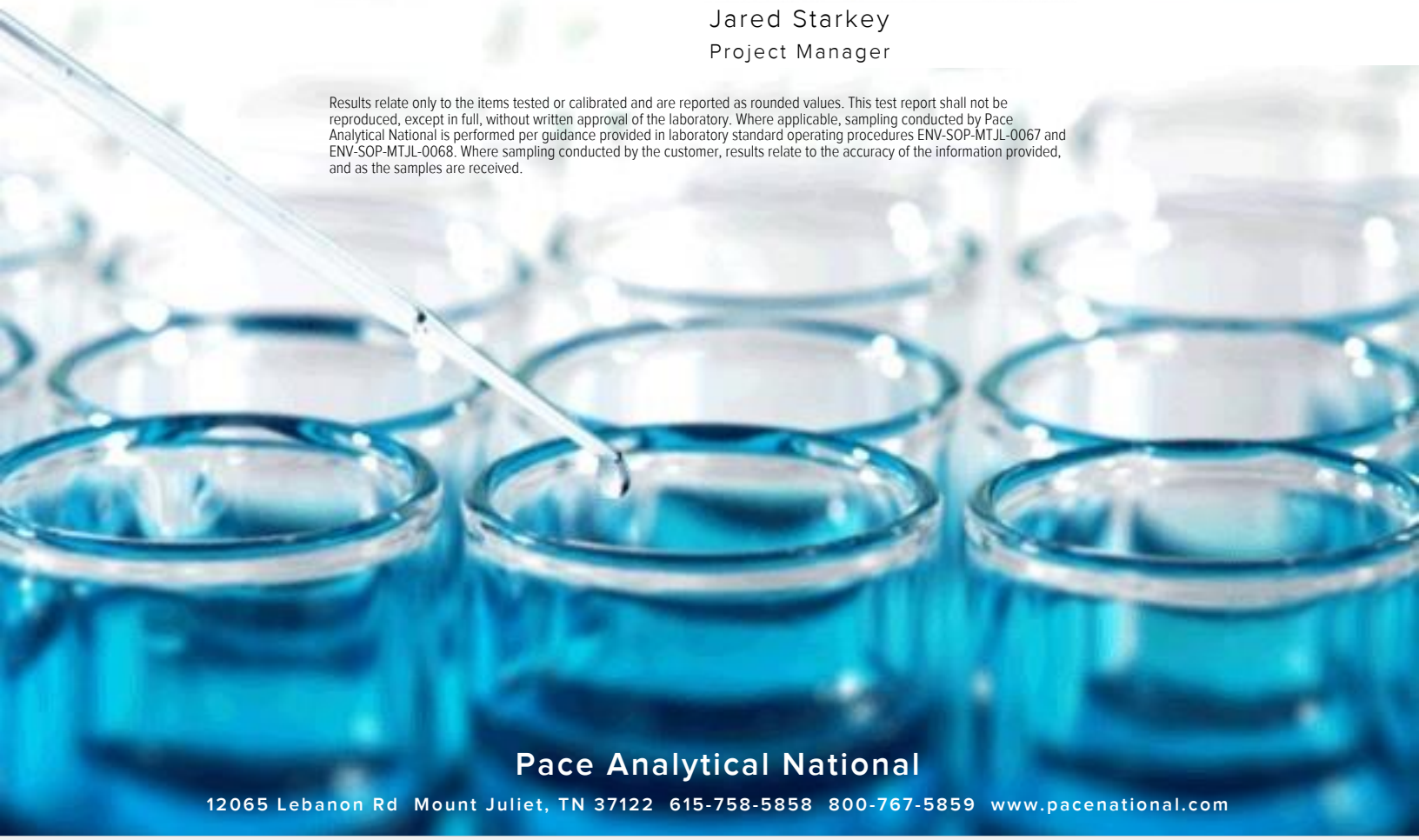
Sample Delivery Group:	L1477510
Samples Received:	04/01/2022
Project Number:	443018-1413001.05 50
Description:	American Linen

Report To: Brian O'Neal/Bill Haldeman
2101 Fourth Ave., Suite 1310
Seattle, WA 98121

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace 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.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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MW-348-033122 L1477510-01 GW

Collected by: Ben Hecht | Collected date/time: 03/31/22 08:45 | Received date/time: 04/01/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1841748	1	04/01/22 16:04	04/01/22 16:04	RAF	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1844642	1	04/07/22 17:19	04/07/22 17:19	GJA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1844531	1	04/07/22 10:38	04/07/22 10:38	DBB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1842362	1	04/03/22 14:12	04/03/22 14:12	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1842647	10	04/04/22 19:40	04/04/22 19:40	ACG	Mt. Juliet, TN

MW-969-033122 L1477510-02 GW

Collected by: Ben Hecht | Collected date/time: 03/31/22 09:30 | Received date/time: 04/01/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1841748	1	04/01/22 16:17	04/01/22 16:17	RAF	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1844642	1	04/07/22 18:19	04/07/22 18:19	GJA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1844531	1	04/07/22 10:46	04/07/22 10:46	DBB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1842362	1	04/03/22 14:31	04/03/22 14:31	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1842647	10	04/04/22 19:59	04/04/22 19:59	ACG	Mt. Juliet, TN

MW-347-033122 L1477510-03 GW

Collected by: Ben Hecht | Collected date/time: 03/31/22 10:30 | Received date/time: 04/01/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1841748	1	04/01/22 16:30	04/01/22 16:30	RAF	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1844642	1	04/07/22 18:33	04/07/22 18:33	GJA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1844531	1	04/07/22 10:48	04/07/22 10:48	DBB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1842362	1	04/03/22 14:50	04/03/22 14:50	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1842647	10	04/04/22 20:18	04/04/22 20:18	ACG	Mt. Juliet, TN

MW-346-033122 L1477510-04 GW

Collected by: Ben Hecht | Collected date/time: 03/31/22 12:40 | Received date/time: 04/01/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1841824	1	04/01/22 15:43	04/01/22 15:43	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1844642	1	04/07/22 18:58	04/07/22 18:58	GJA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1844531	1	04/07/22 10:55	04/07/22 10:55	DBB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1842362	1	04/03/22 15:09	04/03/22 15:09	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1842647	1	04/04/22 18:06	04/04/22 18:06	ACG	Mt. Juliet, TN

HMW-9IB-033122 L1477510-05 GW

Collected by: Ben Hecht | Collected date/time: 03/31/22 14:40 | Received date/time: 04/01/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1841824	1	04/01/22 15:55	04/01/22 15:55	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1844642	1	04/07/22 19:11	04/07/22 19:11	GJA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1844531	1	04/07/22 10:58	04/07/22 10:58	DBB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1842362	1	04/03/22 15:29	04/03/22 15:29	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1842647	200	04/04/22 20:37	04/04/22 20:37	ACG	Mt. Juliet, TN

EQ-033122 L1477510-06 GW

Collected by: Ben Hecht
Collected date/time: 03/31/22 15:30
Received date/time: 04/01/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1841824	1	04/01/22 16:08	04/01/22 16:08	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1844642	1	04/07/22 20:12	04/07/22 20:12	GJA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1844531	1	04/07/22 11:04	04/07/22 11:04	DBB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1842362	1	04/03/22 13:15	04/03/22 13:15	BMB	Mt. Juliet, TN

TB-033122 L1477510-07 GW

Collected by: Ben Hecht
Collected date/time: 03/31/22 16:30
Received date/time: 04/01/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1842362	1	04/03/22 12:56	04/03/22 12:56	BMB	Mt. Juliet, TN

CASE NARRATIVE

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

Jared Starkey
Project Manager

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	39200		379	1000	1	04/01/2022 16:04	WG1841748
Nitrate	U		48.0	100	1	04/01/2022 16:04	WG1841748
Sulfate	54500		594	5000	1	04/01/2022 16:04	WG1841748

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)	1890	B	102	1000	1	04/07/2022 17:19	WG1844642

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	268		0.287	0.678	1	04/07/2022 10:38	WG1844531
Ethane	U		0.296	1.29	1	04/07/2022 10:38	WG1844531
Ethene	18.9		0.422	1.27	1	04/07/2022 10:38	WG1844531

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.83	C5	0.548	1.00	1	04/03/2022 14:12	WG1842362
Acrylonitrile	U		0.0760	0.500	1	04/03/2022 14:12	WG1842362
Benzene	0.0340	J	0.0160	0.0400	1	04/03/2022 14:12	WG1842362
Bromobenzene	U		0.0420	0.500	1	04/03/2022 14:12	WG1842362
Bromodichloromethane	U		0.0315	0.100	1	04/03/2022 14:12	WG1842362
Bromoform	U		0.239	1.00	1	04/03/2022 14:12	WG1842362
Bromomethane	U		0.148	0.500	1	04/03/2022 14:12	WG1842362
n-Butylbenzene	U		0.153	0.500	1	04/03/2022 14:12	WG1842362
sec-Butylbenzene	U		0.101	0.500	1	04/03/2022 14:12	WG1842362
tert-Butylbenzene	U		0.0620	0.200	1	04/03/2022 14:12	WG1842362
Carbon tetrachloride	U		0.0432	0.200	1	04/03/2022 14:12	WG1842362
Chlorobenzene	U		0.0229	0.100	1	04/03/2022 14:12	WG1842362
Chlorodibromomethane	U		0.0180	0.100	1	04/03/2022 14:12	WG1842362
Chloroethane	U		0.0432	0.200	1	04/03/2022 14:12	WG1842362
Chloroform	U		0.0166	0.100	1	04/03/2022 14:12	WG1842362
Chloromethane	U		0.0556	0.500	1	04/03/2022 14:12	WG1842362
2-Chlorotoluene	U		0.0368	0.100	1	04/03/2022 14:12	WG1842362
4-Chlorotoluene	U		0.0452	0.200	1	04/03/2022 14:12	WG1842362
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	04/03/2022 14:12	WG1842362
1,2-Dibromoethane	U		0.0210	0.100	1	04/03/2022 14:12	WG1842362
Dibromomethane	U		0.0400	0.200	1	04/03/2022 14:12	WG1842362
1,2-Dichlorobenzene	U		0.0580	0.200	1	04/03/2022 14:12	WG1842362
1,3-Dichlorobenzene	U		0.0680	0.200	1	04/03/2022 14:12	WG1842362
1,4-Dichlorobenzene	U		0.0788	0.200	1	04/03/2022 14:12	WG1842362
Dichlorodifluoromethane	U		0.0327	0.100	1	04/03/2022 14:12	WG1842362
1,1-Dichloroethane	0.103		0.0230	0.100	1	04/03/2022 14:12	WG1842362
1,2-Dichloroethane	U		0.0190	0.100	1	04/03/2022 14:12	WG1842362
1,1-Dichloroethene	2.06		0.0200	0.100	1	04/03/2022 14:12	WG1842362
cis-1,2-Dichloroethene	318		0.276	1.00	10	04/04/2022 19:40	WG1842647
trans-1,2-Dichloroethene	0.0790	J	0.0572	0.200	1	04/03/2022 14:12	WG1842362
1,2-Dichloropropane	U		0.0508	0.200	1	04/03/2022 14:12	WG1842362
1,1-Dichloropropene	U		0.0280	0.100	1	04/03/2022 14:12	WG1842362
1,3-Dichloropropane	U		0.0700	0.200	1	04/03/2022 14:12	WG1842362
cis-1,3-Dichloropropene	U		0.0271	0.100	1	04/03/2022 14:12	WG1842362
trans-1,3-Dichloropropene	U		0.0612	0.200	1	04/03/2022 14:12	WG1842362

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
2,2-Dichloropropane	U	C3	0.0317	0.100	1	04/03/2022 14:12	WG1842362
Di-isopropyl ether	U	C3	0.0140	0.0400	1	04/03/2022 14:12	WG1842362
Ethylbenzene	0.0320	J	0.0212	0.100	1	04/03/2022 14:12	WG1842362
Hexachloro-1,3-butadiene	U		0.508	1.00	1	04/03/2022 14:12	WG1842362
Isopropylbenzene	U		0.0345	0.100	1	04/03/2022 14:12	WG1842362
p-Isopropyltoluene	U		0.0932	0.200	1	04/03/2022 14:12	WG1842362
2-Butanone (MEK)	U		0.500	1.00	1	04/03/2022 14:12	WG1842362
Methylene Chloride	U		0.265	1.00	1	04/03/2022 14:12	WG1842362
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	04/03/2022 14:12	WG1842362
Methyl tert-butyl ether	U		0.0118	0.0400	1	04/03/2022 14:12	WG1842362
Naphthalene	U		0.124	0.500	1	04/03/2022 14:12	WG1842362
n-Propylbenzene	U		0.0472	0.200	1	04/03/2022 14:12	WG1842362
Styrene	U		0.109	0.500	1	04/03/2022 14:12	WG1842362
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	04/03/2022 14:12	WG1842362
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	04/03/2022 14:12	WG1842362
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	04/03/2022 14:12	WG1842362
Tetrachloroethene	14.4	C5	0.0280	0.100	1	04/03/2022 14:12	WG1842362
Toluene	0.165	J	0.0500	0.200	1	04/03/2022 14:12	WG1842362
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	04/03/2022 14:12	WG1842362
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	04/03/2022 14:12	WG1842362
1,1,1-Trichloroethane	U		0.0110	0.100	1	04/03/2022 14:12	WG1842362
1,1,2-Trichloroethane	U		0.0353	0.100	1	04/03/2022 14:12	WG1842362
Trichloroethene	19.6		0.0160	0.0400	1	04/03/2022 14:12	WG1842362
Trichlorofluoromethane	U	J4	0.0200	0.100	1	04/03/2022 14:12	WG1842362
1,2,3-Trichloropropane	U		0.204	0.500	1	04/03/2022 14:12	WG1842362
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	04/03/2022 14:12	WG1842362
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	04/03/2022 14:12	WG1842362
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	04/03/2022 14:12	WG1842362
Vinyl chloride	252		0.273	1.00	10	04/04/2022 19:40	WG1842647
Xylenes, Total	U		0.191	0.260	1	04/03/2022 14:12	WG1842362
Ethyl Ether	U		0.0170	0.100	1	04/03/2022 14:12	WG1842362
Tetrahydrofuran	U		0.0900	0.500	1	04/03/2022 14:12	WG1842362
Iodomethane	U		0.242	0.500	1	04/03/2022 14:12	WG1842362
Allyl chloride	U		0.580	1.00	1	04/03/2022 14:12	WG1842362
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	04/03/2022 14:12	WG1842362
(S) Toluene-d8	*110*			*75.0-131*		*04/03/2022 14:12*	WG1842362
(S) Toluene-d8	*109*			*75.0-131*		*04/04/2022 19:40*	WG1842647
(S) 4-Bromofluorobenzene	*97.1*			*67.0-138*		*04/03/2022 14:12*	WG1842362
(S) 4-Bromofluorobenzene	*96.6*			*67.0-138*		*04/04/2022 19:40*	WG1842647
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*04/03/2022 14:12*	WG1842362
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*04/04/2022 19:40*	WG1842647

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	31200		379	1000	1	04/01/2022 16:17	WG1841748
Nitrate	U		48.0	100	1	04/01/2022 16:17	WG1841748
Sulfate	53100		594	5000	1	04/01/2022 16:17	WG1841748

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)	1810	B	102	1000	1	04/07/2022 18:19	WG1844642

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	183		0.287	0.678	1	04/07/2022 10:46	WG1844531
Ethane	U		0.296	1.29	1	04/07/2022 10:46	WG1844531
Ethene	21.6		0.422	1.27	1	04/07/2022 10:46	WG1844531

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.08	C5	0.548	1.00	1	04/03/2022 14:31	WG1842362
Acrylonitrile	U		0.0760	0.500	1	04/03/2022 14:31	WG1842362
Benzene	0.0220	J	0.0160	0.0400	1	04/03/2022 14:31	WG1842362
Bromobenzene	U		0.0420	0.500	1	04/03/2022 14:31	WG1842362
Bromodichloromethane	U		0.0315	0.100	1	04/03/2022 14:31	WG1842362
Bromoform	U		0.239	1.00	1	04/03/2022 14:31	WG1842362
Bromomethane	U		0.148	0.500	1	04/03/2022 14:31	WG1842362
n-Butylbenzene	U		0.153	0.500	1	04/03/2022 14:31	WG1842362
sec-Butylbenzene	U		0.101	0.500	1	04/03/2022 14:31	WG1842362
tert-Butylbenzene	U		0.0620	0.200	1	04/03/2022 14:31	WG1842362
Carbon tetrachloride	U		0.0432	0.200	1	04/03/2022 14:31	WG1842362
Chlorobenzene	U		0.0229	0.100	1	04/03/2022 14:31	WG1842362
Chlorodibromomethane	U		0.0180	0.100	1	04/03/2022 14:31	WG1842362
Chloroethane	U		0.0432	0.200	1	04/03/2022 14:31	WG1842362
Chloroform	U		0.0166	0.100	1	04/03/2022 14:31	WG1842362
Chloromethane	U		0.0556	0.500	1	04/03/2022 14:31	WG1842362
2-Chlorotoluene	U		0.0368	0.100	1	04/03/2022 14:31	WG1842362
4-Chlorotoluene	U		0.0452	0.200	1	04/03/2022 14:31	WG1842362
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	04/03/2022 14:31	WG1842362
1,2-Dibromoethane	U		0.0210	0.100	1	04/03/2022 14:31	WG1842362
Dibromomethane	U		0.0400	0.200	1	04/03/2022 14:31	WG1842362
1,2-Dichlorobenzene	U		0.0580	0.200	1	04/03/2022 14:31	WG1842362
1,3-Dichlorobenzene	U		0.0680	0.200	1	04/03/2022 14:31	WG1842362
1,4-Dichlorobenzene	U		0.0788	0.200	1	04/03/2022 14:31	WG1842362
Dichlorodifluoromethane	U		0.0327	0.100	1	04/03/2022 14:31	WG1842362
1,1-Dichloroethane	0.0260	J	0.0230	0.100	1	04/03/2022 14:31	WG1842362
1,2-Dichloroethane	U		0.0190	0.100	1	04/03/2022 14:31	WG1842362
1,1-Dichloroethene	0.806		0.0200	0.100	1	04/03/2022 14:31	WG1842362
cis-1,2-Dichloroethene	280		0.276	1.00	10	04/04/2022 19:59	WG1842647
trans-1,2-Dichloroethene	0.915		0.0572	0.200	1	04/03/2022 14:31	WG1842362
1,2-Dichloropropane	U		0.0508	0.200	1	04/03/2022 14:31	WG1842362
1,1-Dichloropropene	U		0.0280	0.100	1	04/03/2022 14:31	WG1842362
1,3-Dichloropropane	U		0.0700	0.200	1	04/03/2022 14:31	WG1842362
cis-1,3-Dichloropropene	U		0.0271	0.100	1	04/03/2022 14:31	WG1842362
trans-1,3-Dichloropropene	U		0.0612	0.200	1	04/03/2022 14:31	WG1842362

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
2,2-Dichloropropane	U	C3	0.0317	0.100	1	04/03/2022 14:31	WG1842362
Di-isopropyl ether	U	C3	0.0140	0.0400	1	04/03/2022 14:31	WG1842362
Ethylbenzene	U		0.0212	0.100	1	04/03/2022 14:31	WG1842362
Hexachloro-1,3-butadiene	U		0.508	1.00	1	04/03/2022 14:31	WG1842362
Isopropylbenzene	U		0.0345	0.100	1	04/03/2022 14:31	WG1842362
p-Isopropyltoluene	U		0.0932	0.200	1	04/03/2022 14:31	WG1842362
2-Butanone (MEK)	U		0.500	1.00	1	04/03/2022 14:31	WG1842362
Methylene Chloride	U		0.265	1.00	1	04/03/2022 14:31	WG1842362
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	04/03/2022 14:31	WG1842362
Methyl tert-butyl ether	U		0.0118	0.0400	1	04/03/2022 14:31	WG1842362
Naphthalene	U		0.124	0.500	1	04/03/2022 14:31	WG1842362
n-Propylbenzene	U		0.0472	0.200	1	04/03/2022 14:31	WG1842362
Styrene	U		0.109	0.500	1	04/03/2022 14:31	WG1842362
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	04/03/2022 14:31	WG1842362
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	04/03/2022 14:31	WG1842362
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	04/03/2022 14:31	WG1842362
Tetrachloroethene	27.2	C5	0.0280	0.100	1	04/03/2022 14:31	WG1842362
Toluene	0.109	J	0.0500	0.200	1	04/03/2022 14:31	WG1842362
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	04/03/2022 14:31	WG1842362
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	04/03/2022 14:31	WG1842362
1,1,1-Trichloroethane	U		0.0110	0.100	1	04/03/2022 14:31	WG1842362
1,1,2-Trichloroethane	U		0.0353	0.100	1	04/03/2022 14:31	WG1842362
Trichloroethene	40.4		0.0160	0.0400	1	04/03/2022 14:31	WG1842362
Trichlorofluoromethane	U	J4	0.0200	0.100	1	04/03/2022 14:31	WG1842362
1,2,3-Trichloropropane	U		0.204	0.500	1	04/03/2022 14:31	WG1842362
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	04/03/2022 14:31	WG1842362
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	04/03/2022 14:31	WG1842362
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	04/03/2022 14:31	WG1842362
Vinyl chloride	150		0.273	1.00	10	04/04/2022 19:59	WG1842647
Xylenes, Total	U		0.191	0.260	1	04/03/2022 14:31	WG1842362
Ethyl Ether	U		0.0170	0.100	1	04/03/2022 14:31	WG1842362
Tetrahydrofuran	U		0.0900	0.500	1	04/03/2022 14:31	WG1842362
Iodomethane	U		0.242	0.500	1	04/03/2022 14:31	WG1842362
Allyl chloride	U		0.580	1.00	1	04/03/2022 14:31	WG1842362
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	04/03/2022 14:31	WG1842362
(S) Toluene-d8	*110*			*75.0-131*		*04/03/2022 14:31*	WG1842362
(S) Toluene-d8	*108*			*75.0-131*		*04/04/2022 19:59*	WG1842647
(S) 4-Bromofluorobenzene	*99.2*			*67.0-138*		*04/03/2022 14:31*	WG1842362
(S) 4-Bromofluorobenzene	*95.4*			*67.0-138*		*04/04/2022 19:59*	WG1842647
(S) 1,2-Dichloroethane-d4	*96.2*			*70.0-130*		*04/03/2022 14:31*	WG1842362
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*04/04/2022 19:59*	WG1842647

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	31800		379	1000	1	04/01/2022 16:30	WG1841748
Nitrate	U		48.0	100	1	04/01/2022 16:30	WG1841748
Sulfate	54400		594	5000	1	04/01/2022 16:30	WG1841748

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)	1730	B	102	1000	1	04/07/2022 18:33	WG1844642

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	165		0.287	0.678	1	04/07/2022 10:48	WG1844531
Ethane	U		0.296	1.29	1	04/07/2022 10:48	WG1844531
Ethene	19.5		0.422	1.27	1	04/07/2022 10:48	WG1844531

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.31	C5	0.548	1.00	1	04/03/2022 14:50	WG1842362
Acrylonitrile	U		0.0760	0.500	1	04/03/2022 14:50	WG1842362
Benzene	0.0340	J	0.0160	0.0400	1	04/03/2022 14:50	WG1842362
Bromobenzene	U		0.0420	0.500	1	04/03/2022 14:50	WG1842362
Bromodichloromethane	U		0.0315	0.100	1	04/03/2022 14:50	WG1842362
Bromoform	U		0.239	1.00	1	04/03/2022 14:50	WG1842362
Bromomethane	U		0.148	0.500	1	04/03/2022 14:50	WG1842362
n-Butylbenzene	U		0.153	0.500	1	04/03/2022 14:50	WG1842362
sec-Butylbenzene	U		0.101	0.500	1	04/03/2022 14:50	WG1842362
tert-Butylbenzene	U		0.0620	0.200	1	04/03/2022 14:50	WG1842362
Carbon tetrachloride	U		0.0432	0.200	1	04/03/2022 14:50	WG1842362
Chlorobenzene	U		0.0229	0.100	1	04/03/2022 14:50	WG1842362
Chlorodibromomethane	U		0.0180	0.100	1	04/03/2022 14:50	WG1842362
Chloroethane	U		0.0432	0.200	1	04/03/2022 14:50	WG1842362
Chloroform	U		0.0166	0.100	1	04/03/2022 14:50	WG1842362
Chloromethane	U		0.0556	0.500	1	04/03/2022 14:50	WG1842362
2-Chlorotoluene	U		0.0368	0.100	1	04/03/2022 14:50	WG1842362
4-Chlorotoluene	U		0.0452	0.200	1	04/03/2022 14:50	WG1842362
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	04/03/2022 14:50	WG1842362
1,2-Dibromoethane	U		0.0210	0.100	1	04/03/2022 14:50	WG1842362
Dibromomethane	U		0.0400	0.200	1	04/03/2022 14:50	WG1842362
1,2-Dichlorobenzene	U		0.0580	0.200	1	04/03/2022 14:50	WG1842362
1,3-Dichlorobenzene	U		0.0680	0.200	1	04/03/2022 14:50	WG1842362
1,4-Dichlorobenzene	U		0.0788	0.200	1	04/03/2022 14:50	WG1842362
Dichlorodifluoromethane	U		0.0327	0.100	1	04/03/2022 14:50	WG1842362
1,1-Dichloroethane	0.0390	J	0.0230	0.100	1	04/03/2022 14:50	WG1842362
1,2-Dichloroethane	U		0.0190	0.100	1	04/03/2022 14:50	WG1842362
1,1-Dichloroethene	0.945		0.0200	0.100	1	04/03/2022 14:50	WG1842362
cis-1,2-Dichloroethene	290		0.276	1.00	10	04/04/2022 20:18	WG1842647
trans-1,2-Dichloroethene	0.998		0.0572	0.200	1	04/03/2022 14:50	WG1842362
1,2-Dichloropropane	U		0.0508	0.200	1	04/03/2022 14:50	WG1842362
1,1-Dichloropropene	U		0.0280	0.100	1	04/03/2022 14:50	WG1842362
1,3-Dichloropropane	U		0.0700	0.200	1	04/03/2022 14:50	WG1842362
cis-1,3-Dichloropropene	U		0.0271	0.100	1	04/03/2022 14:50	WG1842362
trans-1,3-Dichloropropene	U		0.0612	0.200	1	04/03/2022 14:50	WG1842362

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
2,2-Dichloropropane	U	C3	0.0317	0.100	1	04/03/2022 14:50	WG1842362
Di-isopropyl ether	U	C3	0.0140	0.0400	1	04/03/2022 14:50	WG1842362
Ethylbenzene	0.0330	J	0.0212	0.100	1	04/03/2022 14:50	WG1842362
Hexachloro-1,3-butadiene	U		0.508	1.00	1	04/03/2022 14:50	WG1842362
Isopropylbenzene	U		0.0345	0.100	1	04/03/2022 14:50	WG1842362
p-Isopropyltoluene	U		0.0932	0.200	1	04/03/2022 14:50	WG1842362
2-Butanone (MEK)	U		0.500	1.00	1	04/03/2022 14:50	WG1842362
Methylene Chloride	U		0.265	1.00	1	04/03/2022 14:50	WG1842362
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	04/03/2022 14:50	WG1842362
Methyl tert-butyl ether	U		0.0118	0.0400	1	04/03/2022 14:50	WG1842362
Naphthalene	U		0.124	0.500	1	04/03/2022 14:50	WG1842362
n-Propylbenzene	U		0.0472	0.200	1	04/03/2022 14:50	WG1842362
Styrene	U		0.109	0.500	1	04/03/2022 14:50	WG1842362
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	04/03/2022 14:50	WG1842362
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	04/03/2022 14:50	WG1842362
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	04/03/2022 14:50	WG1842362
Tetrachloroethene	25.8	C5	0.0280	0.100	1	04/03/2022 14:50	WG1842362
Toluene	0.121	J	0.0500	0.200	1	04/03/2022 14:50	WG1842362
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	04/03/2022 14:50	WG1842362
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	04/03/2022 14:50	WG1842362
1,1,1-Trichloroethane	U		0.0110	0.100	1	04/03/2022 14:50	WG1842362
1,1,2-Trichloroethane	U		0.0353	0.100	1	04/03/2022 14:50	WG1842362
Trichloroethene	50.3		0.0160	0.0400	1	04/03/2022 14:50	WG1842362
Trichlorofluoromethane	U	J4	0.0200	0.100	1	04/03/2022 14:50	WG1842362
1,2,3-Trichloropropane	U		0.204	0.500	1	04/03/2022 14:50	WG1842362
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	04/03/2022 14:50	WG1842362
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	04/03/2022 14:50	WG1842362
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	04/03/2022 14:50	WG1842362
Vinyl chloride	130		0.273	1.00	10	04/04/2022 20:18	WG1842647
Xylenes, Total	U		0.191	0.260	1	04/03/2022 14:50	WG1842362
Ethyl Ether	U		0.0170	0.100	1	04/03/2022 14:50	WG1842362
Tetrahydrofuran	U		0.0900	0.500	1	04/03/2022 14:50	WG1842362
Iodomethane	U		0.242	0.500	1	04/03/2022 14:50	WG1842362
Allyl chloride	U		0.580	1.00	1	04/03/2022 14:50	WG1842362
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	04/03/2022 14:50	WG1842362
(S) Toluene-d8	*109*			*75.0-131*		*04/03/2022 14:50*	WG1842362
(S) Toluene-d8	*108*			*75.0-131*		*04/04/2022 20:18*	WG1842647
(S) 4-Bromofluorobenzene	*92.8*			*67.0-138*		*04/03/2022 14:50*	WG1842362
(S) 4-Bromofluorobenzene	*92.6*			*67.0-138*		*04/04/2022 20:18*	WG1842647
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*04/03/2022 14:50*	WG1842362
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*04/04/2022 20:18*	WG1842647

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	32500		379	1000	1	04/01/2022 15:43	WG1841824
Nitrate	U		48.0	100	1	04/01/2022 15:43	WG1841824
Sulfate	93500		594	5000	1	04/01/2022 15:43	WG1841824

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)	249	B J	102	1000	1	04/07/2022 18:58	WG1844642

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	215		0.287	0.678	1	04/07/2022 10:55	WG1844531
Ethane	U		0.296	1.29	1	04/07/2022 10:55	WG1844531
Ethene	U		0.422	1.27	1	04/07/2022 10:55	WG1844531

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.32	C5	0.548	1.00	1	04/03/2022 15:09	WG1842362
Acrylonitrile	U		0.0760	0.500	1	04/03/2022 15:09	WG1842362
Benzene	U		0.0160	0.0400	1	04/03/2022 15:09	WG1842362
Bromobenzene	U		0.0420	0.500	1	04/03/2022 15:09	WG1842362
Bromodichloromethane	U		0.0315	0.100	1	04/03/2022 15:09	WG1842362
Bromoform	U		0.239	1.00	1	04/03/2022 15:09	WG1842362
Bromomethane	U		0.148	0.500	1	04/03/2022 15:09	WG1842362
n-Butylbenzene	U		0.153	0.500	1	04/03/2022 15:09	WG1842362
sec-Butylbenzene	U		0.101	0.500	1	04/03/2022 15:09	WG1842362
tert-Butylbenzene	U		0.0620	0.200	1	04/03/2022 15:09	WG1842362
Carbon tetrachloride	U		0.0432	0.200	1	04/03/2022 15:09	WG1842362
Chlorobenzene	U		0.0229	0.100	1	04/03/2022 15:09	WG1842362
Chlorodibromomethane	U		0.0180	0.100	1	04/03/2022 15:09	WG1842362
Chloroethane	U		0.0432	0.200	1	04/03/2022 15:09	WG1842362
Chloroform	U		0.0166	0.100	1	04/03/2022 15:09	WG1842362
Chloromethane	U		0.0556	0.500	1	04/03/2022 15:09	WG1842362
2-Chlorotoluene	U		0.0368	0.100	1	04/03/2022 15:09	WG1842362
4-Chlorotoluene	U		0.0452	0.200	1	04/03/2022 15:09	WG1842362
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	04/03/2022 15:09	WG1842362
1,2-Dibromoethane	U		0.0210	0.100	1	04/03/2022 15:09	WG1842362
Dibromomethane	U		0.0400	0.200	1	04/03/2022 15:09	WG1842362
1,2-Dichlorobenzene	U		0.0580	0.200	1	04/03/2022 15:09	WG1842362
1,3-Dichlorobenzene	U		0.0680	0.200	1	04/03/2022 15:09	WG1842362
1,4-Dichlorobenzene	U		0.0788	0.200	1	04/03/2022 15:09	WG1842362
Dichlorodifluoromethane	U		0.0327	0.100	1	04/03/2022 15:09	WG1842362
1,1-Dichloroethane	U		0.0230	0.100	1	04/03/2022 15:09	WG1842362
1,2-Dichloroethane	U		0.0190	0.100	1	04/03/2022 15:09	WG1842362
1,1-Dichloroethene	U		0.0200	0.100	1	04/03/2022 15:09	WG1842362
cis-1,2-Dichloroethene	3.49		0.0276	0.100	1	04/04/2022 18:06	WG1842647
trans-1,2-Dichloroethene	U		0.0572	0.200	1	04/03/2022 15:09	WG1842362
1,2-Dichloropropane	U		0.0508	0.200	1	04/03/2022 15:09	WG1842362
1,1-Dichloropropene	U		0.0280	0.100	1	04/03/2022 15:09	WG1842362
1,3-Dichloropropane	U		0.0700	0.200	1	04/03/2022 15:09	WG1842362
cis-1,3-Dichloropropene	U		0.0271	0.100	1	04/03/2022 15:09	WG1842362
trans-1,3-Dichloropropene	U		0.0612	0.200	1	04/03/2022 15:09	WG1842362

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
2,2-Dichloropropane	U	C3	0.0317	0.100	1	04/03/2022 15:09	WG1842362
Di-isopropyl ether	U	C3	0.0140	0.0400	1	04/03/2022 15:09	WG1842362
Ethylbenzene	U		0.0212	0.100	1	04/03/2022 15:09	WG1842362
Hexachloro-1,3-butadiene	U		0.508	1.00	1	04/03/2022 15:09	WG1842362
Isopropylbenzene	U		0.0345	0.100	1	04/03/2022 15:09	WG1842362
p-Isopropyltoluene	U		0.0932	0.200	1	04/03/2022 15:09	WG1842362
2-Butanone (MEK)	U		0.500	1.00	1	04/03/2022 15:09	WG1842362
Methylene Chloride	U		0.265	1.00	1	04/03/2022 15:09	WG1842362
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	04/03/2022 15:09	WG1842362
Methyl tert-butyl ether	U		0.0118	0.0400	1	04/03/2022 15:09	WG1842362
Naphthalene	U		0.124	0.500	1	04/03/2022 15:09	WG1842362
n-Propylbenzene	U		0.0472	0.200	1	04/03/2022 15:09	WG1842362
Styrene	U		0.109	0.500	1	04/03/2022 15:09	WG1842362
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	04/03/2022 15:09	WG1842362
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	04/03/2022 15:09	WG1842362
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	04/03/2022 15:09	WG1842362
Tetrachloroethene	0.228	C5	0.0280	0.100	1	04/03/2022 15:09	WG1842362
Toluene	0.124	J	0.0500	0.200	1	04/03/2022 15:09	WG1842362
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	04/03/2022 15:09	WG1842362
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	04/03/2022 15:09	WG1842362
1,1,1-Trichloroethane	U		0.0110	0.100	1	04/03/2022 15:09	WG1842362
1,1,2-Trichloroethane	U		0.0353	0.100	1	04/03/2022 15:09	WG1842362
Trichloroethene	1.04		0.0160	0.0400	1	04/03/2022 15:09	WG1842362
Trichlorofluoromethane	U	J4	0.0200	0.100	1	04/03/2022 15:09	WG1842362
1,2,3-Trichloropropane	U		0.204	0.500	1	04/03/2022 15:09	WG1842362
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	04/03/2022 15:09	WG1842362
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	04/03/2022 15:09	WG1842362
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	04/03/2022 15:09	WG1842362
Vinyl chloride	1.04		0.0273	0.100	1	04/04/2022 18:06	WG1842647
Xylenes, Total	U		0.191	0.260	1	04/03/2022 15:09	WG1842362
Ethyl Ether	U		0.0170	0.100	1	04/03/2022 15:09	WG1842362
Tetrahydrofuran	U		0.0900	0.500	1	04/03/2022 15:09	WG1842362
Iodomethane	U		0.242	0.500	1	04/03/2022 15:09	WG1842362
Allyl chloride	U		0.580	1.00	1	04/03/2022 15:09	WG1842362
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	04/03/2022 15:09	WG1842362
(S) Toluene-d8	*110*			*75.0-131*		*04/03/2022 15:09*	WG1842362
(S) Toluene-d8	*108*			*75.0-131*		*04/04/2022 18:06*	WG1842647
(S) 4-Bromofluorobenzene	*97.2*			*67.0-138*		*04/03/2022 15:09*	WG1842362
(S) 4-Bromofluorobenzene	*95.8*			*67.0-138*		*04/04/2022 18:06*	WG1842647
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*04/03/2022 15:09*	WG1842362
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*04/04/2022 18:06*	WG1842647

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	26900		379	1000	1	04/01/2022 15:55	WG1841824
Nitrate	U		48.0	100	1	04/01/2022 15:55	WG1841824
Sulfate	34500		594	5000	1	04/01/2022 15:55	WG1841824

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)	1480	B	102	1000	1	04/07/2022 19:11	WG1844642

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1660		0.287	0.678	1	04/07/2022 10:58	WG1844531
Ethane	U		0.296	1.29	1	04/07/2022 10:58	WG1844531
Ethene	96.6		0.422	1.27	1	04/07/2022 10:58	WG1844531

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.49	C5	0.548	1.00	1	04/03/2022 15:29	WG1842362
Acrylonitrile	U		0.0760	0.500	1	04/03/2022 15:29	WG1842362
Benzene	0.0560		0.0160	0.0400	1	04/03/2022 15:29	WG1842362
Bromobenzene	U		0.0420	0.500	1	04/03/2022 15:29	WG1842362
Bromodichloromethane	U		0.0315	0.100	1	04/03/2022 15:29	WG1842362
Bromoform	U		0.239	1.00	1	04/03/2022 15:29	WG1842362
Bromomethane	U		0.148	0.500	1	04/03/2022 15:29	WG1842362
n-Butylbenzene	U		0.153	0.500	1	04/03/2022 15:29	WG1842362
sec-Butylbenzene	U		0.101	0.500	1	04/03/2022 15:29	WG1842362
tert-Butylbenzene	U		0.0620	0.200	1	04/03/2022 15:29	WG1842362
Carbon tetrachloride	U		0.0432	0.200	1	04/03/2022 15:29	WG1842362
Chlorobenzene	U		0.0229	0.100	1	04/03/2022 15:29	WG1842362
Chlorodibromomethane	U		0.0180	0.100	1	04/03/2022 15:29	WG1842362
Chloroethane	U		0.0432	0.200	1	04/03/2022 15:29	WG1842362
Chloroform	U		0.0166	0.100	1	04/03/2022 15:29	WG1842362
Chloromethane	U		0.0556	0.500	1	04/03/2022 15:29	WG1842362
2-Chlorotoluene	U		0.0368	0.100	1	04/03/2022 15:29	WG1842362
4-Chlorotoluene	U		0.0452	0.200	1	04/03/2022 15:29	WG1842362
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	04/03/2022 15:29	WG1842362
1,2-Dibromoethane	U		0.0210	0.100	1	04/03/2022 15:29	WG1842362
Dibromomethane	U		0.0400	0.200	1	04/03/2022 15:29	WG1842362
1,2-Dichlorobenzene	U		0.0580	0.200	1	04/03/2022 15:29	WG1842362
1,3-Dichlorobenzene	U		0.0680	0.200	1	04/03/2022 15:29	WG1842362
1,4-Dichlorobenzene	U		0.0788	0.200	1	04/03/2022 15:29	WG1842362
Dichlorodifluoromethane	U		0.0327	0.100	1	04/03/2022 15:29	WG1842362
1,1-Dichloroethane	U		0.0230	0.100	1	04/03/2022 15:29	WG1842362
1,2-Dichloroethane	0.686		0.0190	0.100	1	04/03/2022 15:29	WG1842362
1,1-Dichloroethene	5.30		0.0200	0.100	1	04/03/2022 15:29	WG1842362
cis-1,2-Dichloroethene	3260		5.52	20.0	200	04/04/2022 20:37	WG1842647
trans-1,2-Dichloroethene	5.10		0.0572	0.200	1	04/03/2022 15:29	WG1842362
1,2-Dichloropropane	U		0.0508	0.200	1	04/03/2022 15:29	WG1842362
1,1-Dichloropropene	U		0.0280	0.100	1	04/03/2022 15:29	WG1842362
1,3-Dichloropropane	U		0.0700	0.200	1	04/03/2022 15:29	WG1842362
cis-1,3-Dichloropropene	U		0.0271	0.100	1	04/03/2022 15:29	WG1842362
trans-1,3-Dichloropropene	U		0.0612	0.200	1	04/03/2022 15:29	WG1842362

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
2,2-Dichloropropane	U	C3	0.0317	0.100	1	04/03/2022 15:29	WG1842362
Di-isopropyl ether	0.331	C3	0.0140	0.0400	1	04/03/2022 15:29	WG1842362
Ethylbenzene	0.0310	J	0.0212	0.100	1	04/03/2022 15:29	WG1842362
Hexachloro-1,3-butadiene	U		0.508	1.00	1	04/03/2022 15:29	WG1842362
Isopropylbenzene	U		0.0345	0.100	1	04/03/2022 15:29	WG1842362
p-Isopropyltoluene	U		0.0932	0.200	1	04/03/2022 15:29	WG1842362
2-Butanone (MEK)	U		0.500	1.00	1	04/03/2022 15:29	WG1842362
Methylene Chloride	U		0.265	1.00	1	04/03/2022 15:29	WG1842362
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	04/03/2022 15:29	WG1842362
Methyl tert-butyl ether	U		0.0118	0.0400	1	04/03/2022 15:29	WG1842362
Naphthalene	U		0.124	0.500	1	04/03/2022 15:29	WG1842362
n-Propylbenzene	U		0.0472	0.200	1	04/03/2022 15:29	WG1842362
Styrene	U		0.109	0.500	1	04/03/2022 15:29	WG1842362
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	04/03/2022 15:29	WG1842362
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	04/03/2022 15:29	WG1842362
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	04/03/2022 15:29	WG1842362
Tetrachloroethene	13.5	C5	0.0280	0.100	1	04/03/2022 15:29	WG1842362
Toluene	0.178	J	0.0500	0.200	1	04/03/2022 15:29	WG1842362
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	04/03/2022 15:29	WG1842362
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	04/03/2022 15:29	WG1842362
1,1,1-Trichloroethane	U		0.0110	0.100	1	04/03/2022 15:29	WG1842362
1,1,2-Trichloroethane	U		0.0353	0.100	1	04/03/2022 15:29	WG1842362
Trichloroethene	79.8		3.20	8.00	200	04/04/2022 20:37	WG1842647
Trichlorofluoromethane	U	J4	0.0200	0.100	1	04/03/2022 15:29	WG1842362
1,2,3-Trichloropropane	U		0.204	0.500	1	04/03/2022 15:29	WG1842362
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	04/03/2022 15:29	WG1842362
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	04/03/2022 15:29	WG1842362
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	04/03/2022 15:29	WG1842362
Vinyl chloride	1550		5.46	20.0	200	04/04/2022 20:37	WG1842647
Xylenes, Total	U		0.191	0.260	1	04/03/2022 15:29	WG1842362
Ethyl Ether	U		0.0170	0.100	1	04/03/2022 15:29	WG1842362
Tetrahydrofuran	U		0.0900	0.500	1	04/03/2022 15:29	WG1842362
Iodomethane	U		0.242	0.500	1	04/03/2022 15:29	WG1842362
Allyl chloride	U		0.580	1.00	1	04/03/2022 15:29	WG1842362
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	04/03/2022 15:29	WG1842362
(S) Toluene-d8	*112*			*75.0-131*		*04/03/2022 15:29*	WG1842362
(S) Toluene-d8	*106*			*75.0-131*		*04/04/2022 20:37*	WG1842647
(S) 4-Bromofluorobenzene	*97.1*			*67.0-138*		*04/03/2022 15:29*	WG1842362
(S) 4-Bromofluorobenzene	*96.4*			*67.0-138*		*04/04/2022 20:37*	WG1842647
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*04/03/2022 15:29*	WG1842362
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*04/04/2022 20:37*	WG1842647

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	U		379	1000	1	04/01/2022 16:08	WG1841824
Nitrate	203		48.0	100	1	04/01/2022 16:08	WG1841824
Sulfate	757	J	594	5000	1	04/01/2022 16:08	WG1841824

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)	1590	B	102	1000	1	04/07/2022 20:12	WG1844642

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	U		0.287	0.678	1	04/07/2022 11:04	WG1844531
Ethane	U		0.296	1.29	1	04/07/2022 11:04	WG1844531
Ethene	U		0.422	1.27	1	04/07/2022 11:04	WG1844531

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.05	C5	0.548	1.00	1	04/03/2022 13:15	WG1842362
Acrylonitrile	U		0.0760	0.500	1	04/03/2022 13:15	WG1842362
Benzene	U		0.0160	0.0400	1	04/03/2022 13:15	WG1842362
Bromobenzene	U		0.0420	0.500	1	04/03/2022 13:15	WG1842362
Bromodichloromethane	0.242		0.0315	0.100	1	04/03/2022 13:15	WG1842362
Bromoform	U		0.239	1.00	1	04/03/2022 13:15	WG1842362
Bromomethane	U		0.148	0.500	1	04/03/2022 13:15	WG1842362
n-Butylbenzene	U		0.153	0.500	1	04/03/2022 13:15	WG1842362
sec-Butylbenzene	U		0.101	0.500	1	04/03/2022 13:15	WG1842362
tert-Butylbenzene	U		0.0620	0.200	1	04/03/2022 13:15	WG1842362
Carbon tetrachloride	U		0.0432	0.200	1	04/03/2022 13:15	WG1842362
Chlorobenzene	U		0.0229	0.100	1	04/03/2022 13:15	WG1842362
Chlorodibromomethane	0.151		0.0180	0.100	1	04/03/2022 13:15	WG1842362
Chloroethane	U		0.0432	0.200	1	04/03/2022 13:15	WG1842362
Chloroform	0.178		0.0166	0.100	1	04/03/2022 13:15	WG1842362
Chloromethane	U		0.0556	0.500	1	04/03/2022 13:15	WG1842362
2-Chlorotoluene	U		0.0368	0.100	1	04/03/2022 13:15	WG1842362
4-Chlorotoluene	U		0.0452	0.200	1	04/03/2022 13:15	WG1842362
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	04/03/2022 13:15	WG1842362
1,2-Dibromoethane	U		0.0210	0.100	1	04/03/2022 13:15	WG1842362
Dibromomethane	U		0.0400	0.200	1	04/03/2022 13:15	WG1842362
1,2-Dichlorobenzene	U		0.0580	0.200	1	04/03/2022 13:15	WG1842362
1,3-Dichlorobenzene	U		0.0680	0.200	1	04/03/2022 13:15	WG1842362
1,4-Dichlorobenzene	U		0.0788	0.200	1	04/03/2022 13:15	WG1842362
Dichlorodifluoromethane	U		0.0327	0.100	1	04/03/2022 13:15	WG1842362
1,1-Dichloroethane	U		0.0230	0.100	1	04/03/2022 13:15	WG1842362
1,2-Dichloroethane	U		0.0190	0.100	1	04/03/2022 13:15	WG1842362
1,1-Dichloroethene	U		0.0200	0.100	1	04/03/2022 13:15	WG1842362
cis-1,2-Dichloroethene	0.0800	J	0.0276	0.100	1	04/03/2022 13:15	WG1842362
trans-1,2-Dichloroethene	U		0.0572	0.200	1	04/03/2022 13:15	WG1842362
1,2-Dichloropropane	U		0.0508	0.200	1	04/03/2022 13:15	WG1842362
1,1-Dichloropropene	U		0.0280	0.100	1	04/03/2022 13:15	WG1842362
1,3-Dichloropropane	U		0.0700	0.200	1	04/03/2022 13:15	WG1842362
cis-1,3-Dichloropropene	U		0.0271	0.100	1	04/03/2022 13:15	WG1842362
trans-1,3-Dichloropropene	U		0.0612	0.200	1	04/03/2022 13:15	WG1842362

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
2,2-Dichloropropane	U	C3	0.0317	0.100	1	04/03/2022 13:15	WG1842362
Di-isopropyl ether	U	C3	0.0140	0.0400	1	04/03/2022 13:15	WG1842362
Ethylbenzene	U		0.0212	0.100	1	04/03/2022 13:15	WG1842362
Hexachloro-1,3-butadiene	U		0.508	1.00	1	04/03/2022 13:15	WG1842362
Isopropylbenzene	U		0.0345	0.100	1	04/03/2022 13:15	WG1842362
p-Isopropyltoluene	U		0.0932	0.200	1	04/03/2022 13:15	WG1842362
2-Butanone (MEK)	U		0.500	1.00	1	04/03/2022 13:15	WG1842362
Methylene Chloride	U		0.265	1.00	1	04/03/2022 13:15	WG1842362
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	04/03/2022 13:15	WG1842362
Methyl tert-butyl ether	U		0.0118	0.0400	1	04/03/2022 13:15	WG1842362
Naphthalene	U		0.124	0.500	1	04/03/2022 13:15	WG1842362
n-Propylbenzene	U		0.0472	0.200	1	04/03/2022 13:15	WG1842362
Styrene	U		0.109	0.500	1	04/03/2022 13:15	WG1842362
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	04/03/2022 13:15	WG1842362
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	04/03/2022 13:15	WG1842362
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	04/03/2022 13:15	WG1842362
Tetrachloroethene	U		0.0280	0.100	1	04/03/2022 13:15	WG1842362
Toluene	0.0760	J	0.0500	0.200	1	04/03/2022 13:15	WG1842362
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	04/03/2022 13:15	WG1842362
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	04/03/2022 13:15	WG1842362
1,1,1-Trichloroethane	U		0.0110	0.100	1	04/03/2022 13:15	WG1842362
1,1,2-Trichloroethane	U		0.0353	0.100	1	04/03/2022 13:15	WG1842362
Trichloroethene	U		0.0160	0.0400	1	04/03/2022 13:15	WG1842362
Trichlorofluoromethane	U	J4	0.0200	0.100	1	04/03/2022 13:15	WG1842362
1,2,3-Trichloropropane	U		0.204	0.500	1	04/03/2022 13:15	WG1842362
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	04/03/2022 13:15	WG1842362
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	04/03/2022 13:15	WG1842362
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	04/03/2022 13:15	WG1842362
Vinyl chloride	U		0.0273	0.100	1	04/03/2022 13:15	WG1842362
Xylenes, Total	U		0.191	0.260	1	04/03/2022 13:15	WG1842362
Ethyl Ether	U		0.0170	0.100	1	04/03/2022 13:15	WG1842362
Tetrahydrofuran	U		0.0900	0.500	1	04/03/2022 13:15	WG1842362
Iodomethane	U		0.242	0.500	1	04/03/2022 13:15	WG1842362
Allyl chloride	U		0.580	1.00	1	04/03/2022 13:15	WG1842362
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	04/03/2022 13:15	WG1842362
(S) Toluene-d8	*110*			*75.0-131*		*04/03/2022 13:15*	WG1842362
(S) 4-Bromofluorobenzene	*94.6*			*67.0-138*		*04/03/2022 13:15*	WG1842362
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*04/03/2022 13:15*	WG1842362

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	04/03/2022 12:56	WG1842362
Acrylonitrile	U		0.0760	0.500	1	04/03/2022 12:56	WG1842362
Benzene	U		0.0160	0.0400	1	04/03/2022 12:56	WG1842362
Bromobenzene	U		0.0420	0.500	1	04/03/2022 12:56	WG1842362
Bromodichloromethane	U		0.0315	0.100	1	04/03/2022 12:56	WG1842362
Bromoform	U		0.239	1.00	1	04/03/2022 12:56	WG1842362
Bromomethane	U		0.148	0.500	1	04/03/2022 12:56	WG1842362
n-Butylbenzene	U		0.153	0.500	1	04/03/2022 12:56	WG1842362
sec-Butylbenzene	U		0.101	0.500	1	04/03/2022 12:56	WG1842362
tert-Butylbenzene	U		0.0620	0.200	1	04/03/2022 12:56	WG1842362
Carbon tetrachloride	U		0.0432	0.200	1	04/03/2022 12:56	WG1842362
Chlorobenzene	U		0.0229	0.100	1	04/03/2022 12:56	WG1842362
Chlorodibromomethane	U		0.0180	0.100	1	04/03/2022 12:56	WG1842362
Chloroethane	U		0.0432	0.200	1	04/03/2022 12:56	WG1842362
Chloroform	U		0.0166	0.100	1	04/03/2022 12:56	WG1842362
Chloromethane	U		0.0556	0.500	1	04/03/2022 12:56	WG1842362
2-Chlorotoluene	U		0.0368	0.100	1	04/03/2022 12:56	WG1842362
4-Chlorotoluene	U		0.0452	0.200	1	04/03/2022 12:56	WG1842362
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	04/03/2022 12:56	WG1842362
1,2-Dibromoethane	U		0.0210	0.100	1	04/03/2022 12:56	WG1842362
Dibromomethane	U		0.0400	0.200	1	04/03/2022 12:56	WG1842362
1,2-Dichlorobenzene	U		0.0580	0.200	1	04/03/2022 12:56	WG1842362
1,3-Dichlorobenzene	U		0.0680	0.200	1	04/03/2022 12:56	WG1842362
1,4-Dichlorobenzene	U		0.0788	0.200	1	04/03/2022 12:56	WG1842362
Dichlorodifluoromethane	U		0.0327	0.100	1	04/03/2022 12:56	WG1842362
1,1-Dichloroethane	U		0.0230	0.100	1	04/03/2022 12:56	WG1842362
1,2-Dichloroethane	U		0.0190	0.100	1	04/03/2022 12:56	WG1842362
1,1-Dichloroethene	U		0.0200	0.100	1	04/03/2022 12:56	WG1842362
cis-1,2-Dichloroethene	U		0.0276	0.100	1	04/03/2022 12:56	WG1842362
trans-1,2-Dichloroethene	U		0.0572	0.200	1	04/03/2022 12:56	WG1842362
1,2-Dichloropropane	U		0.0508	0.200	1	04/03/2022 12:56	WG1842362
1,1-Dichloropropene	U		0.0280	0.100	1	04/03/2022 12:56	WG1842362
1,3-Dichloropropane	U		0.0700	0.200	1	04/03/2022 12:56	WG1842362
cis-1,3-Dichloropropene	U		0.0271	0.100	1	04/03/2022 12:56	WG1842362
trans-1,3-Dichloropropene	U		0.0612	0.200	1	04/03/2022 12:56	WG1842362
2,2-Dichloropropane	U	C3	0.0317	0.100	1	04/03/2022 12:56	WG1842362
Di-isopropyl ether	U	C3	0.0140	0.0400	1	04/03/2022 12:56	WG1842362
Ethylbenzene	U		0.0212	0.100	1	04/03/2022 12:56	WG1842362
Hexachloro-1,3-butadiene	U		0.508	1.00	1	04/03/2022 12:56	WG1842362
Isopropylbenzene	U		0.0345	0.100	1	04/03/2022 12:56	WG1842362
p-Isopropyltoluene	U		0.0932	0.200	1	04/03/2022 12:56	WG1842362
2-Butanone (MEK)	U		0.500	1.00	1	04/03/2022 12:56	WG1842362
Methylene Chloride	U		0.265	1.00	1	04/03/2022 12:56	WG1842362
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	04/03/2022 12:56	WG1842362
Methyl tert-butyl ether	U		0.0118	0.0400	1	04/03/2022 12:56	WG1842362
Naphthalene	U		0.124	0.500	1	04/03/2022 12:56	WG1842362
n-Propylbenzene	U		0.0472	0.200	1	04/03/2022 12:56	WG1842362
Styrene	U		0.109	0.500	1	04/03/2022 12:56	WG1842362
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	04/03/2022 12:56	WG1842362
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	04/03/2022 12:56	WG1842362
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	04/03/2022 12:56	WG1842362
Tetrachloroethene	U		0.0280	0.100	1	04/03/2022 12:56	WG1842362
Toluene	0.0680	J	0.0500	0.200	1	04/03/2022 12:56	WG1842362
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	04/03/2022 12:56	WG1842362
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	04/03/2022 12:56	WG1842362
1,1,1-Trichloroethane	U		0.0110	0.100	1	04/03/2022 12:56	WG1842362

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	04/03/2022 12:56	WG1842362
Trichloroethene	U		0.0160	0.0400	1	04/03/2022 12:56	WG1842362
Trichlorofluoromethane	U	J4	0.0200	0.100	1	04/03/2022 12:56	WG1842362
1,2,3-Trichloropropane	U		0.204	0.500	1	04/03/2022 12:56	WG1842362
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	04/03/2022 12:56	WG1842362
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	04/03/2022 12:56	WG1842362
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	04/03/2022 12:56	WG1842362
Vinyl chloride	U		0.0273	0.100	1	04/03/2022 12:56	WG1842362
Xylenes, Total	U		0.191	0.260	1	04/03/2022 12:56	WG1842362
Ethyl Ether	U		0.0170	0.100	1	04/03/2022 12:56	WG1842362
Tetrahydrofuran	U		0.0900	0.500	1	04/03/2022 12:56	WG1842362
Iodomethane	U		0.242	0.500	1	04/03/2022 12:56	WG1842362
Allyl chloride	U		0.580	1.00	1	04/03/2022 12:56	WG1842362
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	04/03/2022 12:56	WG1842362
(S) Toluene-d8	*110*			*75.0-131*		*04/03/2022 12:56*	WG1842362
(S) 4-Bromofluorobenzene	*95.4*			*67.0-138*		*04/03/2022 12:56*	WG1842362
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*04/03/2022 12:56*	WG1842362

Method Blank (MB)

(MB) R3776861-1 04/01/22 09:29

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Chloride	U		379	1000
Nitrate	U		48.0	100
Sulfate	U		594	5000

L1477383-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1477383-01 04/01/22 10:11 • (DUP) R3776861-3 04/01/22 13:30

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Chloride	61200	62200	1	1.64		15
Nitrate	2130	2140	1	0.197		15
Sulfate	67600	68100	1	0.808		15

L1477507-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1477507-02 04/01/22 15:26 • (DUP) R3776861-6 04/01/22 15:39

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Chloride	6860	6760	1	1.46		15
Nitrate	1500	1430	1	5.14		15
Sulfate	9530	9270	1	2.76		15

Laboratory Control Sample (LCS)

(LCS) R3776861-2 04/01/22 09:42

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Chloride	40000	38300	95.8	80.0-120	
Nitrate	8000	7630	95.3	80.0-120	
Sulfate	40000	39000	97.5	80.0-120	

L1477383-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1477383-01 04/01/22 10:11 • (MS) R3776861-4 04/01/22 13:43 • (MSD) R3776861-5 04/01/22 13:56

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	61200	107000	107000	92.0	91.7	1	80.0-120	E	E	0.179	15
Nitrate	5000	2130	6830	6810	94.0	93.6	1	80.0-120			0.293	15
Sulfate	50000	67600	113000	112000	90.3	89.7	1	80.0-120	E	E	0.276	15

L1477507-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1477507-02 04/01/22 15:26 • (MS) R3776861-7 04/01/22 15:52

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	6860	55800	97.9	1	80.0-120	
Nitrate	5000	1500	6310	96.2	1	80.0-120	
Sulfate	50000	9530	58400	97.7	1	80.0-120	

Method Blank (MB)

(MB) R3776927-1 04/01/22 09:46

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Chloride	U		379	1000
Nitrate	U		48.0	100
Sulfate	U		594	5000

L1477375-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1477375-05 04/01/22 17:18 • (DUP) R3776927-6 04/01/22 17:55

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	17900	18000	1	0.744		15
Nitrate	25600	25800	1	0.640	E	15
Sulfate	12900	13400	1	3.33		15

L1477430-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1477430-01 04/01/22 21:36 • (DUP) R3776927-9 04/01/22 21:48

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	6570	6550	1	0.279		15
Nitrate	U	U	1	0.000		15
Sulfate	4970	4990	1	0.492	J	15

Laboratory Control Sample (LCS)

(LCS) R3776927-2 04/01/22 09:59

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40000	38900	97.4	80.0-120	
Nitrate	8000	8430	105	80.0-120	
Sulfate	40000	39900	99.7	80.0-120	

L1477430-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1477430-01 04/01/22 21:36 • (MS) R3776927-4 04/01/22 15:18 • (MSD) R3776927-5 04/01/22 15:31

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50000	6570	56900	57100	101	101	1	80.0-120			0.399	15
Nitrate	5000	U	5030	4970	101	99.4	1	80.0-120			1.18	15
Sulfate	50000	4970	55400	55400	101	101	1	80.0-120			0.0614	15

L1477375-05 Original Sample (OS) • Matrix Spike (MS)

(OS) L1477375-05 04/01/22 17:18 • (MS) R3776927-7 04/01/22 18:08

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	17900	69000	102	1	80.0-120	
Nitrate	5000	25600	30000	87.9	1	80.0-120	E
Sulfate	50000	12900	64800	104	1	80.0-120	

QUALITY CONTROL SUMMARY

L1477510-01,02,03,04,05,06

Method Blank (MB)

(MB) R3778863-2 04/07/22 12:24

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	303	J	102	1000

L1477510-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1477510-03 04/07/22 18:33 • (DUP) R3778863-7 04/07/22 18:46

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC	1730	1940	1	11.7		20

L1477510-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1477510-05 04/07/22 19:11 • (DUP) R3778863-8 04/07/22 19:24

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC	1480	1540	1	3.45		20

Laboratory Control Sample (LCS)

(LCS) R3778863-1 04/07/22 12:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC	75000	73900	98.5	85.0-115	

L1477415-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1477415-22 04/07/22 14:53 • (MS) R3778863-3 04/07/22 15:18 • (MSD) R3778863-4 04/07/22 15:44

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC	50000	15300	64700	64200	98.9	97.8	1	80.0-120			0.823	20

L1477510-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1477510-01 04/07/22 17:19 • (MS) R3778863-5 04/07/22 17:43 • (MSD) R3778863-6 04/07/22 18:06

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC	50000	1890	50600	50500	97.4	97.2	1	80.0-120			0.178	20

Method Blank (MB)

(MB) R3778565-2 04/07/22 10:34

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

L1477632-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1477632-04 04/07/22 11:24 • (DUP) R3778565-3 04/07/22 11:28

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

L1477798-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1477798-05 04/07/22 12:15 • (DUP) R3778565-4 04/07/22 12:20

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

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

(LCS) R3778565-1 04/07/22 10:29 • (LCSD) R3778565-5 04/07/22 12:24

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	64.6	69.0	95.3	102	85.0-115			6.59	20
Ethane	129	115	112	89.1	86.8	85.0-115			2.64	20
Ethene	127	116	114	91.3	89.8	85.0-115			1.74	20

Method Blank (MB)

(MB) R3777103-2 04/03/22 11:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		0.548	1.00
Acrylonitrile	U		0.0760	0.500
Benzene	U		0.0160	0.0400
Bromobenzene	U		0.0420	0.500
Bromodichloromethane	U		0.0315	0.100
Bromoform	U		0.239	1.00
Bromomethane	U		0.148	0.500
n-Butylbenzene	U		0.153	0.500
sec-Butylbenzene	U		0.101	0.500
tert-Butylbenzene	U		0.0620	0.200
Carbon tetrachloride	U		0.0432	0.200
Chlorobenzene	U		0.0229	0.100
Chlorodibromomethane	U		0.0180	0.100
Chloroethane	U		0.0432	0.200
Chloroform	U		0.0166	0.100
Chloromethane	U		0.0556	0.500
2-Chlorotoluene	U		0.0368	0.100
4-Chlorotoluene	U		0.0452	0.200
1,2-Dibromo-3-Chloropropane	U		0.204	1.00
1,2-Dibromoethane	U		0.0210	0.100
Dibromomethane	U		0.0400	0.200
1,2-Dichlorobenzene	U		0.0580	0.200
1,3-Dichlorobenzene	U		0.0680	0.200
1,4-Dichlorobenzene	U		0.0788	0.200
Dichlorodifluoromethane	U		0.0327	0.100
1,1-Dichloroethane	U		0.0230	0.100
1,2-Dichloroethane	U		0.0190	0.100
1,1-Dichloroethene	U		0.0200	0.100
cis-1,2-Dichloroethene	U		0.0276	0.100
trans-1,2-Dichloroethene	U		0.0572	0.200
1,2-Dichloropropane	U		0.0508	0.200
1,1-Dichloropropene	U		0.0280	0.100
1,3-Dichloropropane	U		0.0700	0.200
cis-1,3-Dichloropropene	U		0.0271	0.100
trans-1,3-Dichloropropene	U		0.0612	0.200
2,2-Dichloropropane	U		0.0317	0.100
Di-isopropyl ether	U		0.0140	0.0400
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

Method Blank (MB)

(MB) R3777103-2 04/03/22 11:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
p-Isopropyltoluene	U		0.0932	0.200
2-Butanone (MEK)	U		0.500	1.00
Methylene Chloride	U		0.265	1.00
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00
Methyl tert-butyl ether	U		0.0118	0.0400
Naphthalene	U		0.124	0.500
n-Propylbenzene	U		0.0472	0.200
Styrene	U		0.109	0.500
1,1,1,2-Tetrachloroethane	U		0.0200	0.100
1,1,2,2-Tetrachloroethane	U		0.0156	0.100
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100
Tetrachloroethene	U		0.0280	0.100
Toluene	U		0.0500	0.200
1,2,3-Trichlorobenzene	U		0.0250	0.500
1,2,4-Trichlorobenzene	U		0.193	0.500
1,1,1-Trichloroethane	U		0.0110	0.100
1,1,2-Trichloroethane	U		0.0353	0.100
Trichloroethene	U		0.0160	0.0400
Trichlorofluoromethane	U		0.0200	0.100
1,2,3-Trichloropropane	U		0.204	0.500
1,2,4-Trimethylbenzene	U		0.0464	0.200
1,2,3-Trimethylbenzene	U		0.0460	0.200
1,3,5-Trimethylbenzene	U		0.0432	0.200
Vinyl chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	U		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	*111*			*75.0-131*
(S) 4-Bromofluorobenzene	*96.3*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*99.9*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3777103-1 04/03/22 10:27

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	31.0	124	10.0-160	
Acrylonitrile	25.0	22.2	88.8	45.0-153	
Benzene	5.00	4.68	93.6	70.0-123	
Bromobenzene	5.00	5.25	105	73.0-121	
Bromodichloromethane	5.00	4.95	99.0	73.0-121	
Bromoform	5.00	5.40	108	64.0-132	
Bromomethane	5.00	7.24	145	56.0-147	
n-Butylbenzene	5.00	4.49	89.8	68.0-135	
sec-Butylbenzene	5.00	4.54	90.8	74.0-130	
tert-Butylbenzene	5.00	4.73	94.6	75.0-127	
Carbon tetrachloride	5.00	5.76	115	66.0-128	
Chlorobenzene	5.00	5.54	111	76.0-128	
Chlorodibromomethane	5.00	5.68	114	74.0-127	
Chloroethane	5.00	5.99	120	61.0-134	
Chloroform	5.00	5.15	103	72.0-123	
Chloromethane	5.00	4.02	80.4	51.0-138	
2-Chlorotoluene	5.00	5.11	102	75.0-124	
4-Chlorotoluene	5.00	4.52	90.4	75.0-124	
1,2-Dibromo-3-Chloropropane	5.00	4.68	93.6	59.0-130	
1,2-Dibromoethane	5.00	5.53	111	74.0-128	
Dibromomethane	5.00	5.45	109	75.0-122	
1,2-Dichlorobenzene	5.00	5.34	107	76.0-124	
1,3-Dichlorobenzene	5.00	5.25	105	76.0-125	
1,4-Dichlorobenzene	5.00	5.08	102	77.0-121	
Dichlorodifluoromethane	5.00	5.64	113	43.0-156	
1,1-Dichloroethane	5.00	4.56	91.2	70.0-127	
1,2-Dichloroethane	5.00	4.97	99.4	65.0-131	
1,1-Dichloroethene	5.00	4.93	98.6	65.0-131	
cis-1,2-Dichloroethene	5.00	4.65	93.0	73.0-125	
trans-1,2-Dichloroethene	5.00	4.79	95.8	71.0-125	
1,2-Dichloropropane	5.00	4.68	93.6	74.0-125	
1,1-Dichloropropene	5.00	5.29	106	73.0-125	
1,3-Dichloropropane	5.00	5.08	102	80.0-125	
cis-1,3-Dichloropropene	5.00	4.99	99.8	76.0-127	
trans-1,3-Dichloropropene	5.00	4.81	96.2	73.0-127	
2,2-Dichloropropane	5.00	3.91	78.2	59.0-135	
Di-isopropyl ether	5.00	3.88	77.6	60.0-136	
Ethylbenzene	5.00	5.53	111	74.0-126	
Hexachloro-1,3-butadiene	5.00	4.74	94.8	57.0-150	
Isopropylbenzene	5.00	5.67	113	72.0-127	

Laboratory Control Sample (LCS)

(LCS) R3777103-1 04/03/22 10:27

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
p-Isopropyltoluene	5.00	4.78	95.6	72.0-133	
2-Butanone (MEK)	25.0	26.3	105	30.0-160	
Methylene Chloride	5.00	4.86	97.2	68.0-123	
4-Methyl-2-pentanone (MIBK)	25.0	24.6	98.4	56.0-143	
Methyl tert-butyl ether	5.00	4.80	96.0	66.0-132	
Naphthalene	5.00	5.70	114	59.0-130	
n-Propylbenzene	5.00	4.81	96.2	74.0-126	
Styrene	5.00	5.30	106	72.0-127	
1,1,1,2-Tetrachloroethane	5.00	6.00	120	74.0-129	
1,1,2,2-Tetrachloroethane	5.00	4.54	90.8	68.0-128	
1,1,2-Trichlorotrifluoroethane	5.00	5.94	119	61.0-139	
Tetrachloroethene	5.00	6.30	126	70.0-136	
Toluene	5.00	5.25	105	75.0-121	
1,2,3-Trichlorobenzene	5.00	5.12	102	59.0-139	
1,2,4-Trichlorobenzene	5.00	5.57	111	62.0-137	
1,1,1-Trichloroethane	5.00	5.26	105	69.0-126	
1,1,2-Trichloroethane	5.00	5.44	109	78.0-123	
Trichloroethene	5.00	5.99	120	76.0-126	
Trichlorofluoromethane	5.00	7.18	144	61.0-142	J4
1,2,3-Trichloropropane	5.00	5.26	105	67.0-129	
1,2,4-Trimethylbenzene	5.00	4.59	91.8	70.0-126	
1,2,3-Trimethylbenzene	5.00	4.61	92.2	74.0-124	
1,3,5-Trimethylbenzene	5.00	4.76	95.2	73.0-127	
Vinyl chloride	5.00	5.08	102	63.0-134	
Xylenes, Total	15.0	16.5	110	72.0-127	
Ethyl ether	5.00	4.13	82.6	64.0-137	
Tetrahydrofuran	5.00	4.14	82.8	37.0-146	
Iodomethane	25.0	29.5	118	74.0-134	
Allyl chloride	25.0	21.3	85.2	70.0-131	
trans-1,4-Dichloro-2-butene	5.00	2.64	52.8	45.0-143	
(S) Toluene-d8			*109*	*75.0-131*	
(S) 4-Bromofluorobenzene			*99.4*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*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) R3777757-2 04/04/22 17:17

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
cis-1,2-Dichloroethene	U		0.0276	0.100
Trichloroethene	U		0.0160	0.0400
Vinyl chloride	U		0.0273	0.100
(S) Toluene-d8	*106*			*75.0-131*
(S) 4-Bromofluorobenzene	*96.3*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3777757-1 04/04/22 15:10

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
cis-1,2-Dichloroethene	5.00	4.60	92.0	73.0-125	
Trichloroethene	5.00	4.65	93.0	76.0-126	
Vinyl chloride	5.00	5.05	101	63.0-134	
(S) Toluene-d8			*106*	*75.0-131*	
(S) 4-Bromofluorobenzene			*97.5*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*113*	*70.0-130*	

GLOSSARY OF TERMS

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

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
B	The same analyte is found in the associated blank.
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
C4	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.
C5	The reported concentration is an estimate. The continuing calibration standard associated with this data responded high. Data is likely to show a high bias concerning the result.
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.
J4	The associated batch QC was outside the established quality control range for accuracy.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
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	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
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

* 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 Analytical.

Company Name/Address:
PES Environmental, Inc.- WA

2101 Fourth Ave., Suite 1310
Seattle, WA 98121

Billing Information:
Attn: Accounts Payable
2101 4th Avenue, Suite 1310
Seattle, WA 98121

Pres Chk

Report to:
Brian O'Neal/Bill Haldeman

Email To:
Shannon.McKernan@nv5.com;brian.oneal@nv5

Project Description:
American Linen

City/State Collected: Seattle WA

Please Circle: PT MT CT ET

Phone: 206-529-3980

Client Project #
443018-1413001.05 50

Lab Project #
PESENVSWA-ALP

Collected by (print):
Ben Hecht

Site/Facility ID #

P.O. #
443018-1413001.05.601

Collected by (signature):

Immediately Packed on Ice N___ Y ✓

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

Date Results Needed: Standard TAT

Quote #

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Chloride 250mlHDPE-NoPres	Nitrate 250mlHDPE-NoPres	RSK175LL 40mlAmb-HCl	Sulfate 250mlHDPE-NoPres	TOC 250mlHDPE-HCl	V8260ULLC 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-348-033122	Grab	GW		3-31-22	845	7	X	X	X	X	X	X		-01
MW-969-033122		GW			930	7	X	X	X	X	X	X		-02
MW-347-033122		GW			1030	7	X	X	X	X	X	X		-03
MW-346-033122		GW			1240	7	X	X	X	X	X	X		-04
HMW-9IB-033122		GW			1440	7	X	X	X	X	X	X		-05
EQ-033122		GW			1530	7	X	X	X	X	X	X		-06
TB-033122	—	GW	—	—	1630	1						X		-07
		GW												

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1477510

C009

Ta

Acctnum: PESENVSWA
Template: T206159
Prelogin: P913819
PM: 546 - Jared Starkey
PB:

Shipped Via:

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

Remarks: National NV5 Pricing for 2022

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 9463-1914-6155

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
[signature]	3-31-22	1645			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.4+0=1.4 °C Bottles Received: 42	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 4-1-22 Time: 0900	Hold: Condition: NCF / OK

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Brian O'Neal
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: American Linen
Work Order Number: 1901351

January 29, 2019

Attention Brian O'Neal:

Fremont Analytical, Inc. received 1 sample(s) on 1/25/2019 for the analyses presented in the following report.

Volatile Organic Compounds by EPA Method 8260C

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Chelsea Ward
Project Manager

Date: *01/29/2019*

CLIENT: PES Environmental, Inc.
Project: American Linen
Work Order: 1901351

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1901351-001	SW-TANK-012519	01/25/2019 1:00 PM	01/25/2019 2:55 PM

Case Narrative

WO#: **1901351**
Date: **1/29/2019**

CLIENT: PES Environmental, Inc.
Project: American Linen

WorkOrder Narrative:
I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Client: PES Environmental, Inc.
Collection Date: 1/25/2019 1:00:00 PM
Project: American Linen
Lab ID: 1901351-001
Matrix: Stormwater
Client Sample ID: **SW-TANK-012519**

Volatile Organic Compounds by EPA Method 8260C

Batch ID: 23377 Analyst: CR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
Chloromethane	ND	2.00		µg/L	1	1/28/2019 5:19:09 PM
Vinyl chloride	ND	0.200		µg/L	1	1/28/2019 5:19:09 PM
Bromomethane	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
Chloroethane	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
Methylene chloride	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
2,2-Dichloropropane	ND	2.00		µg/L	1	1/28/2019 5:19:09 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
Chloroform	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
Carbon tetrachloride	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
Benzene	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	1/28/2019 5:19:09 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
Bromodichloromethane	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
Dibromomethane	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
Toluene	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
trans-1,3-Dichloropropylene	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
Tetrachloroethene (PCE)	1.93	1.00		µg/L	1	1/28/2019 5:19:09 PM
Dibromochloromethane	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
1,2-Dibromoethane (EDB)	ND	0.250		µg/L	1	1/28/2019 5:19:09 PM
Chlorobenzene	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
Ethylbenzene	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
m,p-Xylene	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
o-Xylene	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
Styrene	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
Isopropylbenzene	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
Bromoform	ND	2.00		µg/L	1	1/28/2019 5:19:09 PM

Client: PES Environmental, Inc.
Collection Date: 1/25/2019 1:00:00 PM
Project: American Linen
Lab ID: 1901351-001
Matrix: Stormwater
Client Sample ID: **SW-TANK-012519**

Volatile Organic Compounds by EPA Method 8260C

Batch ID: 23377 Analyst: CR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
n-Propylbenzene	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
Bromobenzene	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
2-Chlorotoluene	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
4-Chlorotoluene	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
tert-Butylbenzene	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	1/28/2019 5:19:09 PM
sec-Butylbenzene	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
4-Isopropyltoluene	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
n-Butylbenzene	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
Hexachloro-1,3-butadiene	ND	4.00		µg/L	1	1/28/2019 5:19:09 PM
Naphthalene	ND	1.00		µg/L	1	1/28/2019 5:19:09 PM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	1/28/2019 5:19:09 PM
Surr: Dibromofluoromethane	103	45.4 - 152		%Rec	1	1/28/2019 5:19:09 PM
Surr: Toluene-d8	102	40.1 - 139		%Rec	1	1/28/2019 5:19:09 PM
Surr: 1-Bromo-4-fluorobenzene	99.6	64.2 - 128		%Rec	1	1/28/2019 5:19:09 PM

Work Order: 1901351
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **MB-23377** SampType: **MBLK** Units: **µg/L** Prep Date: **1/28/2019** RunNo: **49193**
Client ID: **MBLKW** Batch ID: **23377** Analysis Date: **1/28/2019** SeqNo: **964377**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.00									
Chloromethane	ND	2.00									
Vinyl chloride	ND	0.200									
Bromomethane	ND	1.00									
Trichlorofluoromethane (CFC-11)	ND	1.00									
Chloroethane	ND	1.00									
1,1-Dichloroethene	ND	1.00									
Methylene chloride	ND	1.00									
trans-1,2-Dichloroethene	ND	1.00									
Methyl tert-butyl ether (MTBE)	ND	1.00									
1,1-Dichloroethane	ND	1.00									
2,2-Dichloropropane	ND	2.00									
cis-1,2-Dichloroethene	ND	1.00									
Chloroform	ND	1.00									
1,1,1-Trichloroethane (TCA)	ND	1.00									
1,1-Dichloropropene	ND	1.00									
Carbon tetrachloride	ND	1.00									
1,2-Dichloroethane (EDC)	ND	1.00									
Benzene	ND	1.00									
Trichloroethene (TCE)	ND	0.500									
1,2-Dichloropropane	ND	1.00									
Bromodichloromethane	ND	1.00									
Dibromomethane	ND	1.00									
cis-1,3-Dichloropropene	ND	1.00									
Toluene	ND	1.00									
trans-1,3-Dichloropropylene	ND	1.00									
1,1,2-Trichloroethane	ND	1.00									
1,3-Dichloropropane	ND	1.00									
Tetrachloroethene (PCE)	ND	1.00									
Dibromochloromethane	ND	1.00									
1,2-Dibromoethane (EDB)	ND	0.250									

Work Order: 1901351
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **MB-23377** SampType: **MBLK** Units: **µg/L** Prep Date: **1/28/2019** RunNo: **49193**
Client ID: **MBLKW** Batch ID: **23377** Analysis Date: **1/28/2019** SeqNo: **964377**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	ND	1.00									
1,1,1,2-Tetrachloroethane	ND	1.00									
Ethylbenzene	ND	1.00									
m,p-Xylene	ND	1.00									
o-Xylene	ND	1.00									
Styrene	ND	1.00									
Isopropylbenzene	ND	1.00									
Bromoform	ND	2.00									
1,1,2,2-Tetrachloroethane	ND	1.00									
n-Propylbenzene	ND	1.00									
Bromobenzene	ND	1.00									
1,3,5-Trimethylbenzene	ND	1.00									
2-Chlorotoluene	ND	1.00									
4-Chlorotoluene	ND	1.00									
tert-Butylbenzene	ND	1.00									
1,2,3-Trichloropropane	ND	1.00									
1,2,4-Trichlorobenzene	ND	2.00									
sec-Butylbenzene	ND	1.00									
4-Isopropyltoluene	ND	1.00									
1,3-Dichlorobenzene	ND	1.00									
1,4-Dichlorobenzene	ND	1.00									
n-Butylbenzene	ND	1.00									
1,2-Dichlorobenzene	ND	1.00									
1,2-Dibromo-3-chloropropane	ND	1.00									
1,2,4-Trimethylbenzene	ND	1.00									
Hexachloro-1,3-butadiene	ND	4.00									
Naphthalene	ND	1.00									
1,2,3-Trichlorobenzene	ND	4.00									
Surr: Dibromofluoromethane	25.7		25.00		103	45.4	152				
Surr: Toluene-d8	25.5		25.00		102	40.1	139				
Surr: 1-Bromo-4-fluorobenzene	24.8		25.00		99.3	64.2	128				

Work Order: 1901351
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID	**MB-23377**	SampType:	**MBLK**	Units:	**µg/L**	Prep Date:	**1/28/2019**	RunNo:	**49193**
Client ID:	**MBLKW**	Batch ID:	**23377**			Analysis Date:	**1/28/2019**	SeqNo:	**964377**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID	**1901351-001ADUP**	SampType:	**DUP**	Units:	**µg/L**	Prep Date:	**1/28/2019**	RunNo:	**49193**
Client ID:	**SW-TANK-012519**	Batch ID:	**23377**			Analysis Date:	**1/28/2019**	SeqNo:	**964501**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.00						0		30	
Chloromethane	ND	2.00						0		30	
Vinyl chloride	ND	0.200						0		30	
Bromomethane	ND	1.00						0		30	
Trichlorofluoromethane (CFC-11)	ND	1.00						0		30	
Chloroethane	ND	1.00						0		30	
1,1-Dichloroethene	ND	1.00						0		30	
Methylene chloride	ND	1.00						0		30	
trans-1,2-Dichloroethene	ND	1.00						0		30	
Methyl tert-butyl ether (MTBE)	ND	1.00						0		30	
1,1-Dichloroethane	ND	1.00						0		30	
2,2-Dichloropropane	ND	2.00						0		30	
cis-1,2-Dichloroethene	ND	1.00						0		30	
Chloroform	ND	1.00						0		30	
1,1,1-Trichloroethane (TCA)	ND	1.00						0		30	
1,1-Dichloropropene	ND	1.00						0		30	
Carbon tetrachloride	ND	1.00						0		30	
1,2-Dichloroethane (EDC)	ND	1.00						0		30	
Benzene	ND	1.00						0		30	
Trichloroethene (TCE)	ND	0.500						0		30	
1,2-Dichloropropane	ND	1.00						0		30	
Bromodichloromethane	ND	1.00						0		30	
Dibromomethane	ND	1.00						0		30	
cis-1,3-Dichloropropene	ND	1.00						0		30	
Toluene	ND	1.00						0		30	

Work Order: 1901351
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1901351-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **1/28/2019** RunNo: **49193**
Client ID: **SW-TANK-012519** Batch ID: **23377** Analysis Date: **1/28/2019** SeqNo: **964501**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,3-Dichloropropylene	ND	1.00						0		30	
1,1,2-Trichloroethane	ND	1.00						0		30	
1,3-Dichloropropane	ND	1.00						0		30	
Tetrachloroethene (PCE)	2.00	1.00						1.930	3.70	30	
Dibromochloromethane	ND	1.00						0		30	
1,2-Dibromoethane (EDB)	ND	0.250						0		30	
Chlorobenzene	ND	1.00						0		30	
1,1,1,2-Tetrachloroethane	ND	1.00						0		30	
Ethylbenzene	ND	1.00						0		30	
m,p-Xylene	ND	1.00						0		30	
o-Xylene	ND	1.00						0		30	
Styrene	ND	1.00						0		30	
Isopropylbenzene	ND	1.00						0		30	
Bromoform	ND	2.00						0		30	
1,1,2,2-Tetrachloroethane	ND	1.00						0		30	
n-Propylbenzene	ND	1.00						0		30	
Bromobenzene	ND	1.00						0		30	
1,3,5-Trimethylbenzene	ND	1.00						0		30	
2-Chlorotoluene	ND	1.00						0		30	
4-Chlorotoluene	ND	1.00						0		30	
tert-Butylbenzene	ND	1.00						0		30	
1,2,3-Trichloropropane	ND	1.00						0		30	
1,2,4-Trichlorobenzene	ND	2.00						0		30	
sec-Butylbenzene	ND	1.00						0		30	
4-Isopropyltoluene	ND	1.00						0		30	
1,3-Dichlorobenzene	ND	1.00						0		30	
1,4-Dichlorobenzene	ND	1.00						0		30	
n-Butylbenzene	ND	1.00						0		30	
1,2-Dichlorobenzene	ND	1.00						0		30	
1,2-Dibromo-3-chloropropane	ND	1.00						0		30	
1,2,4-Trimethylbenzene	ND	1.00						0		30	

Work Order: 1901351
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1901351-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **1/28/2019** RunNo: **49193**
Client ID: **SW-TANK-012519** Batch ID: **23377** Analysis Date: **1/28/2019** SeqNo: **964501**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachloro-1,3-butadiene	ND	4.00						0		30	
Naphthalene	ND	1.00						0		30	
1,2,3-Trichlorobenzene	ND	4.00						0		30	
Surr: Dibromofluoromethane	25.8		25.00		103	45.4	152		0		
Surr: Toluene-d8	25.6		25.00		102	40.1	139		0		
Surr: 1-Bromo-4-fluorobenzene	24.6		25.00		98.3	64.2	128		0		

Sample ID **LCS-23377** SampType: **LCS** Units: **µg/L** Prep Date: **1/28/2019** RunNo: **49193**
Client ID: **LCSW** Batch ID: **23377** Analysis Date: **1/28/2019** SeqNo: **964504**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	20.2	1.00	20.00	0	101	18.7	171				
Chloromethane	19.7	2.00	20.00	0	98.6	38.5	171				
Vinyl chloride	21.4	0.200	20.00	0	107	48	145				
Bromomethane	23.6	1.00	20.00	0	118	32.5	184				
Trichlorofluoromethane (CFC-11)	21.3	1.00	20.00	0	106	43.5	149				
Chloroethane	23.0	1.00	20.00	0	115	43.8	168				
1,1-Dichloroethene	22.6	1.00	20.00	0	113	57.5	150				
Methylene chloride	21.7	1.00	20.00	0	108	67.1	131				
trans-1,2-Dichloroethene	21.9	1.00	20.00	0	110	71.7	129				
Methyl tert-butyl ether (MTBE)	21.2	1.00	20.00	0	106	58	138				
1,1-Dichloroethane	22.4	1.00	20.00	0	112	67.9	134				
2,2-Dichloropropane	19.9	2.00	20.00	0	99.6	26.5	185				
cis-1,2-Dichloroethene	22.3	1.00	20.00	0	112	70.2	139				
Chloroform	22.0	1.00	20.00	0	110	66.3	131				
1,1,1-Trichloroethane (TCA)	21.7	1.00	20.00	0	109	63	140				
1,1-Dichloropropene	22.4	1.00	20.00	0	112	69.9	124				
Carbon tetrachloride	21.5	1.00	20.00	0	107	66.2	134				
1,2-Dichloroethane (EDC)	21.9	1.00	20.00	0	110	67	126				
Benzene	22.5	1.00	20.00	0	112	69.3	132				

Work Order: 1901351
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **LCS-23377** SampType: **LCS** Units: **µg/L** Prep Date: **1/28/2019** RunNo: **49193**
Client ID: **LCSW** Batch ID: **23377** Analysis Date: **1/28/2019** SeqNo: **964504**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene (TCE)	22.4	0.500	20.00	0	112	65.2	136				
1,2-Dichloropropane	22.4	1.00	20.00	0	112	70.5	130				
Bromodichloromethane	21.6	1.00	20.00	0	108	67.2	137				
Dibromomethane	22.2	1.00	20.00	0	111	69.3	143				
cis-1,3-Dichloropropene	21.5	1.00	20.00	0	107	62.6	137				
Toluene	22.3	1.00	20.00	0	111	61.3	145				
trans-1,3-Dichloropropylene	21.8	1.00	20.00	0	109	56.5	163				
1,1,2-Trichloroethane	22.3	1.00	20.00	0	112	71.7	131				
1,3-Dichloropropane	22.6	1.00	20.00	0	113	73.5	127				
Tetrachloroethene (PCE)	22.1	1.00	20.00	0	110	47.5	147				
Dibromochloromethane	21.7	1.00	20.00	0	109	67.2	134				
1,2-Dibromoethane (EDB)	22.4	0.250	20.00	0	112	73.6	125				
Chlorobenzene	21.5	1.00	20.00	0	108	73.9	126				
1,1,1,2-Tetrachloroethane	21.3	1.00	20.00	0	107	76.8	124				
Ethylbenzene	22.2	1.00	20.00	0	111	72	130				
m,p-Xylene	43.2	1.00	40.00	0	108	70.3	134				
o-Xylene	21.7	1.00	20.00	0	108	72.1	131				
Styrene	22.1	1.00	20.00	0	110	64.3	140				
Isopropylbenzene	21.5	1.00	20.00	0	107	73.9	128				
Bromoform	20.7	2.00	20.00	0	103	55.3	141				
1,1,2,2-Tetrachloroethane	21.8	1.00	20.00	0	109	62.9	132				
n-Propylbenzene	21.9	1.00	20.00	0	110	74.5	127				
Bromobenzene	21.3	1.00	20.00	0	107	71	131				
1,3,5-Trimethylbenzene	21.9	1.00	20.00	0	109	73.1	128				
2-Chlorotoluene	21.8	1.00	20.00	0	109	70.8	130				
4-Chlorotoluene	22.4	1.00	20.00	0	112	70.1	131				
tert-Butylbenzene	21.8	1.00	20.00	0	109	68.2	131				
1,2,3-Trichloropropane	20.8	1.00	20.00	0	104	67.7	131				
1,2,4-Trichlorobenzene	20.8	2.00	20.00	0	104	41	139				
sec-Butylbenzene	22.0	1.00	20.00	0	110	72	129				
4-Isopropyltoluene	21.6	1.00	20.00	0	108	69.2	130				

Work Order: 1901351
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **LCS-23377** SampType: **LCS** Units: **µg/L** Prep Date: **1/28/2019** RunNo: **49193**
Client ID: **LCSW** Batch ID: **23377** Analysis Date: **1/28/2019** SeqNo: **964504**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	22.0	1.00	20.00	0	110	69.5	128				
1,4-Dichlorobenzene	21.7	1.00	20.00	0	108	66.8	119				
n-Butylbenzene	22.4	1.00	20.00	0	112	73.8	127				
1,2-Dichlorobenzene	21.8	1.00	20.00	0	109	69.7	119				
1,2-Dibromo-3-chloropropane	22.2	1.00	20.00	0	111	63.1	136				
1,2,4-Trimethylbenzene	21.9	1.00	20.00	0	109	73.4	127				
Hexachloro-1,3-butadiene	21.3	4.00	20.00	0	106	58.6	138				
Naphthalene	21.5	1.00	20.00	0	108	41.8	165				
1,2,3-Trichlorobenzene	20.9	4.00	20.00	0	104	35.8	155				
Surr: Dibromofluoromethane	25.2		25.00		101	45.4	152				
Surr: Toluene-d8	25.8		25.00		103	40.1	139				
Surr: 1-Bromo-4-fluorobenzene	25.4		25.00		102	64.2	128				

Sample ID **LCSD-23377** SampType: **LCSD** Units: **µg/L** Prep Date: **1/28/2019** RunNo: **49193**
Client ID: **LCSW02** Batch ID: **23377** Analysis Date: **1/28/2019** SeqNo: **964505**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	19.1	1.00	20.00	0	95.7	18.7	171	20.19	5.29	20	
Chloromethane	20.7	2.00	20.00	0	104	38.5	171	19.71	5.07	20	
Vinyl chloride	21.1	0.200	20.00	0	106	48	145	21.41	1.39	20	
Bromomethane	21.6	1.00	20.00	0	108	32.5	184	23.61	8.74	20	
Trichlorofluoromethane (CFC-11)	20.9	1.00	20.00	0	105	43.5	149	21.25	1.55	20	
Chloroethane	21.4	1.00	20.00	0	107	43.8	168	23.00	7.41	20	
1,1-Dichloroethene	22.4	1.00	20.00	0	112	57.5	150	22.65	1.05	20	
Methylene chloride	21.3	1.00	20.00	0	106	67.1	131	21.66	1.91	20	
trans-1,2-Dichloroethene	21.4	1.00	20.00	0	107	71.7	129	21.94	2.52	20	
Methyl tert-butyl ether (MTBE)	20.4	1.00	20.00	0	102	58	138	21.24	4.24	20	
1,1-Dichloroethane	22.0	1.00	20.00	0	110	67.9	134	22.41	1.67	20	
2,2-Dichloropropane	18.5	2.00	20.00	0	92.4	26.5	185	19.92	7.54	20	
cis-1,2-Dichloroethene	21.7	1.00	20.00	0	109	70.2	139	22.34	2.91	20	

Work Order: 1901351
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **LCSD-23377** SampType: **LCSD** Units: **µg/L** Prep Date: **1/28/2019** RunNo: **49193**
Client ID: **LCSW02** Batch ID: **23377** Analysis Date: **1/28/2019** SeqNo: **964505**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroform	21.3	1.00	20.00	0	106	66.3	131	21.96	3.09	20	
1,1,1-Trichloroethane (TCA)	20.6	1.00	20.00	0	103	63	140	21.72	5.17	20	
1,1-Dichloropropene	21.3	1.00	20.00	0	107	69.9	124	22.42	5.07	20	
Carbon tetrachloride	20.5	1.00	20.00	0	102	66.2	134	21.46	4.66	20	
1,2-Dichloroethane (EDC)	21.0	1.00	20.00	0	105	68.8	123	21.93	4.50	20	
Benzene	21.7	1.00	20.00	0	108	69.3	132	22.48	3.74	20	
Trichloroethene (TCE)	21.5	0.500	20.00	0	107	65.2	136	22.38	4.02	20	
1,2-Dichloropropane	21.4	1.00	20.00	0	107	70.5	130	22.35	4.34	20	
Bromodichloromethane	20.7	1.00	20.00	0	103	74.6	127	21.56	4.19	20	
Dibromomethane	21.3	1.00	20.00	0	107	69.3	143	22.19	3.96	20	
cis-1,3-Dichloropropene	20.4	1.00	20.00	0	102	62.6	137	21.48	5.34	20	
Toluene	21.4	1.00	20.00	0	107	61.3	145	22.28	4.16	20	
trans-1,3-Dichloropropylene	20.7	1.00	20.00	0	103	56.5	163	21.84	5.40	20	
1,1,2-Trichloroethane	21.3	1.00	20.00	0	106	71.7	131	22.35	5.01	20	
1,3-Dichloropropane	21.5	1.00	20.00	0	108	73.5	127	22.58	4.71	20	
Tetrachloroethene (PCE)	20.9	1.00	20.00	0	105	47.5	147	22.06	5.28	20	
Dibromochloromethane	20.6	1.00	20.00	0	103	67.2	134	21.72	5.24	20	
1,2-Dibromoethane (EDB)	21.1	0.250	20.00	0	106	73.6	125	22.44	6.07	20	
Chlorobenzene	20.9	1.00	20.00	0	104	73.9	126	21.53	3.19	20	
1,1,1,2-Tetrachloroethane	20.7	1.00	20.00	0	104	76.8	124	21.35	2.85	20	
Ethylbenzene	21.2	1.00	20.00	0	106	72	130	22.18	4.65	20	
m,p-Xylene	42.2	1.00	40.00	0	106	70.3	134	43.22	2.37	20	
o-Xylene	21.1	1.00	20.00	0	106	72.1	131	21.67	2.59	20	
Styrene	21.4	1.00	20.00	0	107	64.3	140	22.05	2.98	20	
Isopropylbenzene	20.9	1.00	20.00	0	104	73.9	128	21.50	2.84	20	
Bromoform	19.2	2.00	20.00	0	95.9	55.3	141	20.70	7.59	20	
1,1,2,2-Tetrachloroethane	21.1	1.00	20.00	0	106	62.9	132	21.83	3.30	20	
n-Propylbenzene	21.4	1.00	20.00	0	107	74.5	127	21.94	2.66	20	
Bromobenzene	20.7	1.00	20.00	0	103	71	131	21.35	3.14	20	
1,3,5-Trimethylbenzene	21.0	1.00	20.00	0	105	73.1	128	21.87	3.98	20	
2-Chlorotoluene	21.0	1.00	20.00	0	105	70.8	130	21.79	3.53	20	

Work Order: 1901351
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **LCSD-23377** SampType: **LCSD** Units: **µg/L** Prep Date: **1/28/2019** RunNo: **49193**
Client ID: **LCSW02** Batch ID: **23377** Analysis Date: **1/28/2019** SeqNo: **964505**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chlorotoluene	21.2	1.00	20.00	0	106	70.1	131	22.41	5.66	20	
tert-Butylbenzene	21.0	1.00	20.00	0	105	68.2	131	21.84	3.80	20	
1,2,3-Trichloropropane	20.2	1.00	20.00	0	101	67.7	131	20.82	3.09	20	
1,2,4-Trichlorobenzene	20.9	2.00	20.00	0	104	41	139	20.84	0.0693	20	
sec-Butylbenzene	21.2	1.00	20.00	0	106	72	129	22.03	3.95	20	
4-Isopropyltoluene	21.0	1.00	20.00	0	105	69.2	130	21.55	2.68	20	
1,3-Dichlorobenzene	21.8	1.00	20.00	0	109	69.5	128	21.98	0.626	20	
1,4-Dichlorobenzene	21.4	1.00	20.00	0	107	66.8	119	21.68	1.43	20	
n-Butylbenzene	22.0	1.00	20.00	0	110	73.8	127	22.43	1.76	20	
1,2-Dichlorobenzene	21.3	1.00	20.00	0	106	69.7	119	21.82	2.61	20	
1,2-Dibromo-3-chloropropane	20.4	1.00	20.00	0	102	63.1	136	22.16	8.08	20	
1,2,4-Trimethylbenzene	20.9	1.00	20.00	0	105	73.4	127	21.87	4.34	20	
Hexachloro-1,3-butadiene	21.4	4.00	20.00	0	107	58.6	138	21.26	0.828	20	
Naphthalene	21.0	1.00	20.00	0	105	41.8	165	21.53	2.57	20	
1,2,3-Trichlorobenzene	20.8	4.00	20.00	0	104	35.8	155	20.90	0.648	20	
Surr: Dibromofluoromethane	25.3		25.00		101	45.4	152		0		
Surr: Toluene-d8	25.6		25.00		102	40.1	139		0		
Surr: 1-Bromo-4-fluorobenzene	25.7		25.00		103	64.2	128		0		

Sample Log-In Check List

Client Name:	**PES**	Work Order Number:	**1901351**
Logged by:	**Brianna Barnes**	Date Received:	**1/25/2019 2:55:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes	☑	No ☐	Not Present	☐
2.	How was the sample delivered?	Client				

Log In

3.	Coolers are present?	Yes	☐	No ☑	NA	☐
	Sample received at appropriate temperature.					
4.	Shipping container/cooler in good condition?	Yes	☑	No ☐		
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes	☐	No ☐	Not Required	☑
6.	Was an attempt made to cool the samples?	Yes	☐	No ☐	NA	☑
7.	Were all items received at a temperature of >0°C to 10.0°C*	Yes	☑	No ☐	NA	☐
8.	Sample(s) in proper container(s)?	Yes	☑	No ☐		
9.	Sufficient sample volume for indicated test(s)?	Yes	☑	No ☐		
10.	Are samples properly preserved?	Yes	☑	No ☐		
11.	Was preservative added to bottles?	Yes	☐	No ☑	NA	☐
12.	Is there headspace in the VOA vials?	Yes	☐	No ☑	NA	☐
13.	Did all samples containers arrive in good condition(unbroken)?	Yes	☑	No ☐		
14.	Does paperwork match bottle labels?	Yes	☑	No ☐		
15.	Are matrices correctly identified on Chain of Custody?	Yes	☑	No ☐		
16.	Is it clear what analyses were requested?	Yes	☑	No ☐		
17.	Were all holding times able to be met?	Yes	☑	No ☐		

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes	☐	No ☐	NA	☑

Person Notified:		Date	
By Whom:		Via:	☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:			
Client Instructions:			

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample	7.1

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 1-25-19 Page: 1 of: 1

Laboratory Project No (internal): 1901351

Special Remarks:

Project Name: AMERICAN LINEN

Project No: 1413.001.05

Collected by: R. McLAUGHLIN

Location: SEATTLE WA

Report To (PM): BRIAN ONEAL

PM Email: BONEAL@PESENV.COM

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Client: PES ENVIRONMENTAL

Address: 1215 4th AVE Ste 1350

City, State, Zip: SEATTLE WA 98161

Telephone: 206 529 3980

Fax: 206 529 3985

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	SW-TANK-012519	1-2519	1300	SW	X													
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

R. McLaughlin 1/25/19

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:
- ☒ Standard
- ☐ 3 Day
- ☐ 2 Day
- ☐ Next Day
- Same Day _____ (specify)

Relinquished x R. McLaughlin	Date/Time 1-25-19 1455	Received x	Date/Time 1/25/19 1455
Relinquished x	Date/Time	Received x	Date/Time

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Brian O'Neal
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: American Linen
Work Order Number: 1902057

February 07, 2019

Attention Brian O'Neal:

Fremont Analytical, Inc. received 6 sample(s) on 2/5/2019 for the analyses presented in the following report.

Volatile Organic Compounds by EPA Method 8260C

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Chelsea Ward
Project Manager

CC:
Bill Haldeman
Karsten Springstead
Kim Vik

Date: *02/07/2019*

CLIENT: PES Environmental, Inc.
Project: American Linen
Work Order: 1902057

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1902057-001	MW-162-020519	02/05/2019 11:59 AM	02/05/2019 5:19 PM
1902057-002	MW-163-020519	02/05/2019 2:30 PM	02/05/2019 5:19 PM
1902057-003	MW-907-020519	02/05/2019 2:30 PM	02/05/2019 5:19 PM
1902057-004	MW-164-020519	02/05/2019 4:15 PM	02/05/2019 5:19 PM
1902057-005	EQ-020519	02/05/2019 4:40 PM	02/05/2019 5:19 PM
1902057-006	Trip Blank	02/01/2019 11:36 AM	02/05/2019 5:19 PM

Case Narrative

WO#: **1902057**
Date: **2/7/2019**

CLIENT: PES Environmental, Inc.
Project: American Linen

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Client: PES Environmental, Inc.
Collection Date: 2/5/2019 11:59:00 AM
Project: American Linen
Lab ID: 1902057-001
Matrix: Groundwater
Client Sample ID: **MW-162-020519**

Volatile Organic Compounds by EPA Method 8260C

Batch ID: 23465 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	2/6/2019 10:02:14 AM
Chloromethane	ND	2.00	Q	µg/L	1	2/6/2019 10:02:14 AM
Vinyl chloride	128	20.0	D	µg/L	100	2/6/2019 3:41:41 PM
Bromomethane	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
Chloroethane	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
1,1-Dichloroethene	4.23	1.00		µg/L	1	2/6/2019 10:02:14 AM
Methylene chloride	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
trans-1,2-Dichloroethene	9.58	1.00		µg/L	1	2/6/2019 10:02:14 AM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
1,1-Dichloroethane	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
2,2-Dichloropropane	ND	2.00		µg/L	1	2/6/2019 10:02:14 AM
cis-1,2-Dichloroethene	1,070	100	D	µg/L	100	2/6/2019 3:41:41 PM
Chloroform	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
1,1-Dichloropropene	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
Carbon tetrachloride	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
Benzene	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
Trichloroethene (TCE)	613	50.0	D	µg/L	100	2/6/2019 3:41:41 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
Bromodichloromethane	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
Dibromomethane	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
Toluene	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
trans-1,3-Dichloropropylene	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
1,3-Dichloropropane	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
Tetrachloroethene (PCE)	2,800	100	D	µg/L	100	2/6/2019 3:41:41 PM
Dibromochloromethane	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
1,2-Dibromoethane (EDB)	ND	0.250		µg/L	1	2/6/2019 10:02:14 AM
Chlorobenzene	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
Ethylbenzene	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
m,p-Xylene	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
o-Xylene	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
Styrene	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
Isopropylbenzene	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
Bromoform	ND	2.00		µg/L	1	2/6/2019 10:02:14 AM

Analytical Report

Work Order: **1902057**
Date Reported: **2/7/2019**

Client: PES Environmental, Inc.
Collection Date: 2/5/2019 11:59:00 AM
Project: American Linen
Lab ID: 1902057-001
Matrix: Groundwater
Client Sample ID: **MW-162-020519**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 23465		Analyst: KT
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
n-Propylbenzene	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
Bromobenzene	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
2-Chlorotoluene	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
4-Chlorotoluene	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
tert-Butylbenzene	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	2/6/2019 10:02:14 AM
sec-Butylbenzene	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
4-Isopropyltoluene	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
n-Butylbenzene	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
Hexachloro-1,3-butadiene	ND	4.00		µg/L	1	2/6/2019 10:02:14 AM
Naphthalene	ND	1.00		µg/L	1	2/6/2019 10:02:14 AM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	2/6/2019 10:02:14 AM
Surr: Dibromofluoromethane	94.3	45.4 - 152		%Rec	1	2/6/2019 10:02:14 AM
Surr: Toluene-d8	103	40.1 - 139		%Rec	1	2/6/2019 10:02:14 AM
Surr: 1-Bromo-4-fluorobenzene	98.8	64.2 - 128		%Rec	1	2/6/2019 10:02:14 AM

NOTES:
Q - Indicates an analyte with an initial calibration verification that does not meet established acceptance criteria (Dichlorodifluoromethane, Chloromethane)

Client: PES Environmental, Inc.
Collection Date: 2/5/2019 2:30:00 PM
Project: American Linen
Lab ID: 1902057-002
Matrix: Groundwater
Client Sample ID: **MW-163-020519**

Volatile Organic Compounds by EPA Method 8260C

Batch ID: 23465 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	2/6/2019 10:32:28 AM
Chloromethane	ND	2.00	Q	µg/L	1	2/6/2019 10:32:28 AM
Vinyl chloride	2.95	2.00	D	µg/L	10	2/6/2019 4:11:57 PM
Bromomethane	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
Chloroethane	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
1,1-Dichloroethene	9.12	1.00		µg/L	1	2/6/2019 10:32:28 AM
Methylene chloride	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
1,1-Dichloroethane	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
2,2-Dichloropropane	ND	2.00		µg/L	1	2/6/2019 10:32:28 AM
cis-1,2-Dichloroethene	42.2	10.0	D	µg/L	10	2/6/2019 4:11:57 PM
Chloroform	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
1,1-Dichloropropene	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
Carbon tetrachloride	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
Benzene	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
Trichloroethene (TCE)	150	5.00	D	µg/L	10	2/6/2019 4:11:57 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
Bromodichloromethane	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
Dibromomethane	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
Toluene	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
trans-1,3-Dichloropropylene	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
1,3-Dichloropropane	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
Tetrachloroethene (PCE)	218	10.0	D	µg/L	10	2/6/2019 4:11:57 PM
Dibromochloromethane	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
1,2-Dibromoethane (EDB)	ND	0.250		µg/L	1	2/6/2019 10:32:28 AM
Chlorobenzene	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
Ethylbenzene	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
m,p-Xylene	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
o-Xylene	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
Styrene	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
Isopropylbenzene	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
Bromoform	ND	2.00		µg/L	1	2/6/2019 10:32:28 AM

Analytical Report

Work Order: **1902057**
Date Reported: **2/7/2019**

Client: PES Environmental, Inc.
Collection Date: 2/5/2019 2:30:00 PM
Project: American Linen
Lab ID: 1902057-002
Matrix: Groundwater
Client Sample ID: **MW-163-020519**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 23465		Analyst: KT
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
n-Propylbenzene	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
Bromobenzene	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
2-Chlorotoluene	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
4-Chlorotoluene	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
tert-Butylbenzene	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	2/6/2019 10:32:28 AM
sec-Butylbenzene	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
4-Isopropyltoluene	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
n-Butylbenzene	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
Hexachloro-1,3-butadiene	ND	4.00		µg/L	1	2/6/2019 10:32:28 AM
Naphthalene	ND	1.00		µg/L	1	2/6/2019 10:32:28 AM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	2/6/2019 10:32:28 AM
Surr: Dibromofluoromethane	98.5	45.4 - 152		%Rec	1	2/6/2019 10:32:28 AM
Surr: Toluene-d8	105	40.1 - 139		%Rec	1	2/6/2019 10:32:28 AM
Surr: 1-Bromo-4-fluorobenzene	98.0	64.2 - 128		%Rec	1	2/6/2019 10:32:28 AM

NOTES:
Q - Indicates an analyte with an initial calibration verification that does not meet established acceptance criteria (Dichlorodifluoromethane, Chloromethane)

Client: PES Environmental, Inc.
Collection Date: 2/5/2019 2:30:00 PM
Project: American Linen
Lab ID: 1902057-003
Matrix: Groundwater
Client Sample ID: **MW-907-020519**

Volatile Organic Compounds by EPA Method 8260C

Batch ID: 23465 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	2/6/2019 11:02:43 AM
Chloromethane	ND	2.00	Q	µg/L	1	2/6/2019 11:02:43 AM
Vinyl chloride	3.45	0.200		µg/L	1	2/6/2019 11:02:43 AM
Bromomethane	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
Chloroethane	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
1,1-Dichloroethene	9.31	1.00		µg/L	1	2/6/2019 11:02:43 AM
Methylene chloride	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
1,1-Dichloroethane	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
2,2-Dichloropropane	ND	2.00		µg/L	1	2/6/2019 11:02:43 AM
cis-1,2-Dichloroethene	40.3	10.0	D	µg/L	10	2/6/2019 4:42:14 PM
Chloroform	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
1,1-Dichloropropene	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
Carbon tetrachloride	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
Benzene	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
Trichloroethene (TCE)	153	5.00	D	µg/L	10	2/6/2019 4:42:14 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
Bromodichloromethane	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
Dibromomethane	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
Toluene	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
trans-1,3-Dichloropropylene	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
1,3-Dichloropropane	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
Tetrachloroethene (PCE)	220	10.0	D	µg/L	10	2/6/2019 4:42:14 PM
Dibromochloromethane	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
1,2-Dibromoethane (EDB)	ND	0.250		µg/L	1	2/6/2019 11:02:43 AM
Chlorobenzene	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
Ethylbenzene	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
m,p-Xylene	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
o-Xylene	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
Styrene	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
Isopropylbenzene	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
Bromoform	ND	2.00		µg/L	1	2/6/2019 11:02:43 AM

Analytical Report

Work Order: **1902057**
Date Reported: **2/7/2019**

Client: PES Environmental, Inc.
Collection Date: 2/5/2019 2:30:00 PM
Project: American Linen
Lab ID: 1902057-003
Matrix: Groundwater
Client Sample ID: **MW-907-020519**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 23465		Analyst: KT
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
n-Propylbenzene	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
Bromobenzene	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
2-Chlorotoluene	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
4-Chlorotoluene	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
tert-Butylbenzene	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	2/6/2019 11:02:43 AM
sec-Butylbenzene	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
4-Isopropyltoluene	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
n-Butylbenzene	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
Hexachloro-1,3-butadiene	ND	4.00		µg/L	1	2/6/2019 11:02:43 AM
Naphthalene	ND	1.00		µg/L	1	2/6/2019 11:02:43 AM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	2/6/2019 11:02:43 AM
Surr: Dibromofluoromethane	97.9	45.4 - 152		%Rec	1	2/6/2019 11:02:43 AM
Surr: Toluene-d8	104	40.1 - 139		%Rec	1	2/6/2019 11:02:43 AM
Surr: 1-Bromo-4-fluorobenzene	102	64.2 - 128		%Rec	1	2/6/2019 11:02:43 AM

NOTES:
Q - Indicates an analyte with an initial calibration verification that does not meet established acceptance criteria (Dichlorodifluoromethane, Chloromethane)

Client: PES Environmental, Inc.
Collection Date: 2/5/2019 4:15:00 PM
Project: American Linen
Lab ID: 1902057-004
Matrix: Groundwater
Client Sample ID: **MW-164-020519**

Volatile Organic Compounds by EPA Method 8260C

Batch ID: 23465 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	2/6/2019 12:03:21 PM
Chloromethane	ND	2.00	Q	µg/L	1	2/6/2019 12:03:21 PM
Vinyl chloride	4.41	0.200		µg/L	1	2/6/2019 12:03:21 PM
Bromomethane	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
Chloroethane	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
1,1-Dichloroethene	8.74	1.00		µg/L	1	2/6/2019 12:03:21 PM
Methylene chloride	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
trans-1,2-Dichloroethene	3.41	1.00		µg/L	1	2/6/2019 12:03:21 PM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
2,2-Dichloropropane	ND	2.00		µg/L	1	2/6/2019 12:03:21 PM
cis-1,2-Dichloroethene	385	50.0	D	µg/L	50	2/6/2019 5:12:34 PM
Chloroform	3.83	1.00		µg/L	1	2/6/2019 12:03:21 PM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
Carbon tetrachloride	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
Benzene	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
Trichloroethene (TCE)	372	25.0	D	µg/L	50	2/6/2019 5:12:34 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
Bromodichloromethane	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
Dibromomethane	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
Toluene	1.80	1.00		µg/L	1	2/6/2019 12:03:21 PM
trans-1,3-Dichloropropylene	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
Tetrachloroethene (PCE)	871	50.0	D	µg/L	50	2/6/2019 5:12:34 PM
Dibromochloromethane	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
1,2-Dibromoethane (EDB)	ND	0.250		µg/L	1	2/6/2019 12:03:21 PM
Chlorobenzene	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
Ethylbenzene	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
m,p-Xylene	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
o-Xylene	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
Styrene	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
Isopropylbenzene	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
Bromoform	ND	2.00		µg/L	1	2/6/2019 12:03:21 PM

Analytical Report

Work Order: **1902057**
Date Reported: **2/7/2019**

Client: PES Environmental, Inc.
Collection Date: 2/5/2019 4:15:00 PM
Project: American Linen
Lab ID: 1902057-004
Matrix: Groundwater
Client Sample ID: **MW-164-020519**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 23465		Analyst: KT
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
n-Propylbenzene	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
Bromobenzene	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
2-Chlorotoluene	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
4-Chlorotoluene	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
tert-Butylbenzene	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	2/6/2019 12:03:21 PM
sec-Butylbenzene	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
4-Isopropyltoluene	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
n-Butylbenzene	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
Hexachloro-1,3-butadiene	ND	4.00		µg/L	1	2/6/2019 12:03:21 PM
Naphthalene	ND	1.00		µg/L	1	2/6/2019 12:03:21 PM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	2/6/2019 12:03:21 PM
Surr: Dibromofluoromethane	96.8	45.4 - 152		%Rec	1	2/6/2019 12:03:21 PM
Surr: Toluene-d8	103	40.1 - 139		%Rec	1	2/6/2019 12:03:21 PM
Surr: 1-Bromo-4-fluorobenzene	97.3	64.2 - 128		%Rec	1	2/6/2019 12:03:21 PM

NOTES:
Q - Indicates an analyte with an initial calibration verification that does not meet established acceptance criteria (Dichlorodifluoromethane, Chloromethane)

Client: PES Environmental, Inc.
Collection Date: 2/5/2019 4:40:00 PM
Project: American Linen
Lab ID: 1902057-005
Matrix: Groundwater
Client Sample ID: **EQ-020519**

Volatile Organic Compounds by EPA Method 8260C

Batch ID: 23465 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	1.00	Q	µg/L	1	2/6/2019 11:33:04 AM
Chloromethane	ND	2.00	Q	µg/L	1	2/6/2019 11:33:04 AM
Vinyl chloride	ND	0.200		µg/L	1	2/6/2019 11:33:04 AM
Bromomethane	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
Chloroethane	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
1,1-Dichloroethene	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
Methylene chloride	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
1,1-Dichloroethane	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
2,2-Dichloropropane	ND	2.00		µg/L	1	2/6/2019 11:33:04 AM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
Chloroform	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
1,1-Dichloropropene	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
Carbon tetrachloride	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
Benzene	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	2/6/2019 3:11:31 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
Bromodichloromethane	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
Dibromomethane	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
Toluene	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
trans-1,3-Dichloropropylene	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
1,3-Dichloropropane	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	2/6/2019 3:11:31 PM
Dibromochloromethane	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
1,2-Dibromoethane (EDB)	ND	0.250		µg/L	1	2/6/2019 11:33:04 AM
Chlorobenzene	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
Ethylbenzene	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
m,p-Xylene	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
o-Xylene	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
Styrene	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
Isopropylbenzene	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
Bromoform	ND	2.00		µg/L	1	2/6/2019 11:33:04 AM

Analytical Report

Work Order: **1902057**
Date Reported: **2/7/2019**

Client: PES Environmental, Inc.
Collection Date: 2/5/2019 4:40:00 PM
Project: American Linen
Lab ID: 1902057-005
Matrix: Groundwater
Client Sample ID: **EQ-020519**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 23465		Analyst: KT
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
n-Propylbenzene	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
Bromobenzene	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
2-Chlorotoluene	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
4-Chlorotoluene	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
tert-Butylbenzene	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	2/6/2019 11:33:04 AM
sec-Butylbenzene	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
4-Isopropyltoluene	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
n-Butylbenzene	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
Hexachloro-1,3-butadiene	ND	4.00		µg/L	1	2/6/2019 11:33:04 AM
Naphthalene	ND	1.00		µg/L	1	2/6/2019 11:33:04 AM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	2/6/2019 11:33:04 AM
Surr: Dibromofluoromethane	98.9	45.4 - 152		%Rec	1	2/6/2019 11:33:04 AM
Surr: Toluene-d8	103	40.1 - 139		%Rec	1	2/6/2019 11:33:04 AM
Surr: 1-Bromo-4-fluorobenzene	101	64.2 - 128		%Rec	1	2/6/2019 11:33:04 AM

NOTES:
Q - Indicates an analyte with an initial calibration verification that does not meet established acceptance criteria (Dichlorodifluoromethane, Chloromethane)

Work Order: 1902057
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **LCS-23465** SampType: **LCS** Units: **µg/L** Prep Date: **2/6/2019** RunNo: **49353**
Client ID: **LCSW** Batch ID: **23465** Analysis Date: **2/6/2019** SeqNo: **967701**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	18.0	1.00	20.00	0	89.9	18.7	171				
Chloromethane	20.5	2.00	20.00	0	103	38.5	171				
Vinyl chloride	21.1	0.200	20.00	0	106	48	145				
Bromomethane	19.9	1.00	20.00	0	99.5	32.5	184				
Trichlorofluoromethane (CFC-11)	18.3	1.00	20.00	0	91.4	43.5	149				
Chloroethane	20.2	1.00	20.00	0	101	43.8	168				
1,1-Dichloroethene	20.0	1.00	20.00	0	100	57.5	150				
Methylene chloride	18.9	1.00	20.00	0	94.5	67.1	131				
trans-1,2-Dichloroethene	19.5	1.00	20.00	0	97.4	71.7	129				
Methyl tert-butyl ether (MTBE)	17.1	1.00	20.00	0	85.4	58	138				
1,1-Dichloroethane	19.8	1.00	20.00	0	99.0	67.9	134				
2,2-Dichloropropane	22.7	2.00	20.00	0	114	26.5	185				
cis-1,2-Dichloroethene	19.8	1.00	20.00	0	98.9	70.2	139				
Chloroform	18.5	1.00	20.00	0	92.3	66.3	131				
1,1,1-Trichloroethane (TCA)	17.6	1.00	20.00	0	88.1	63	140				
1,1-Dichloropropene	19.4	1.00	20.00	0	97.0	69.9	124				
Carbon tetrachloride	17.6	1.00	20.00	0	88.0	66.2	134				
1,2-Dichloroethane (EDC)	16.0	1.00	20.00	0	80.2	67	126				
Benzene	19.9	1.00	20.00	0	99.3	69.3	132				
Trichloroethene (TCE)	18.7	0.500	20.00	0	93.4	65.2	136				
1,2-Dichloropropane	19.7	1.00	20.00	0	98.3	70.5	130				
Bromodichloromethane	17.8	1.00	20.00	0	88.8	67.2	137				
Dibromomethane	17.6	1.00	20.00	0	87.9	69.3	143				
cis-1,3-Dichloropropene	19.4	1.00	20.00	0	97.0	62.6	137				
Toluene	19.9	1.00	20.00	0	99.5	61.3	145				
trans-1,3-Dichloropropylene	18.5	1.00	20.00	0	92.6	56.5	163				
1,1,2-Trichloroethane	17.7	1.00	20.00	0	88.7	71.7	131				
1,3-Dichloropropane	18.3	1.00	20.00	0	91.3	73.5	127				
Tetrachloroethene (PCE)	19.4	1.00	20.00	0	97.2	47.5	147				
Dibromochloromethane	17.0	1.00	20.00	0	85.2	67.2	134				
1,2-Dibromoethane (EDB)	17.5	0.250	20.00	0	87.6	73.6	125				

Work Order: 1902057
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **LCS-23465** SampType: **LCS** Units: **µg/L** Prep Date: **2/6/2019** RunNo: **49353**
Client ID: **LCSW** Batch ID: **23465** Analysis Date: **2/6/2019** SeqNo: **967701**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	18.7	1.00	20.00	0	93.6	73.9	126				
1,1,1,2-Tetrachloroethane	18.3	1.00	20.00	0	91.6	76.8	124				
Ethylbenzene	19.4	1.00	20.00	0	96.9	72	130				
m,p-Xylene	38.3	1.00	40.00	0	95.9	70.3	134				
o-Xylene	19.3	1.00	20.00	0	96.4	72.1	131				
Styrene	19.5	1.00	20.00	0	97.3	64.3	140				
Isopropylbenzene	19.5	1.00	20.00	0	97.7	73.9	128				
Bromoform	16.5	2.00	20.00	0	82.7	55.3	141				
1,1,2,2-Tetrachloroethane	17.7	1.00	20.00	0	88.6	62.9	132				
n-Propylbenzene	19.9	1.00	20.00	0	99.5	74.5	127				
Bromobenzene	18.4	1.00	20.00	0	92.1	71	131				
1,3,5-Trimethylbenzene	19.2	1.00	20.00	0	95.9	73.1	128				
2-Chlorotoluene	19.2	1.00	20.00	0	96.0	70.8	130				
4-Chlorotoluene	19.3	1.00	20.00	0	96.3	70.1	131				
tert-Butylbenzene	19.1	1.00	20.00	0	95.4	68.2	131				
1,2,3-Trichloropropane	17.2	1.00	20.00	0	85.8	67.7	131				
1,2,4-Trichlorobenzene	20.3	2.00	20.00	0	101	41	139				
sec-Butylbenzene	19.4	1.00	20.00	0	97.2	72	129				
4-Isopropyltoluene	19.2	1.00	20.00	0	95.9	69.2	130				
1,3-Dichlorobenzene	20.2	1.00	20.00	0	101	69.5	128				
1,4-Dichlorobenzene	19.9	1.00	20.00	0	99.5	66.8	119				
n-Butylbenzene	21.7	1.00	20.00	0	109	73.8	127				
1,2-Dichlorobenzene	19.6	1.00	20.00	0	98.1	69.7	119				
1,2-Dibromo-3-chloropropane	16.6	1.00	20.00	0	82.9	63.1	136				
1,2,4-Trimethylbenzene	19.2	1.00	20.00	0	96.1	73.4	127				
Hexachloro-1,3-butadiene	21.2	4.00	20.00	0	106	58.6	138				
Naphthalene	18.6	1.00	20.00	0	93.0	41.8	165				
1,2,3-Trichlorobenzene	19.1	4.00	20.00	0	95.6	35.8	155				
Surr: Dibromofluoromethane	24.9		25.00		99.6	45.4	152				
Surr: Toluene-d8	26.0		25.00		104	40.1	139				
Surr: 1-Bromo-4-fluorobenzene	25.6		25.00		103	64.2	128				

Work Order: 1902057
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID	**LCS-23465**	SampType: **LCS**			Units: **µg/L**		Prep Date: **2/6/2019**		RunNo: **49353**	
Client ID:	**LCSW**	Batch ID: **23465**					Analysis Date: **2/6/2019**		SeqNo: **967701**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID	**MB-23465**	SampType: **MBLK**			Units: **µg/L**		Prep Date: **2/6/2019**		RunNo: **49353**	
Client ID:	**MBLKW**	Batch ID: **23465**					Analysis Date: **2/6/2019**		SeqNo: **967702**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.00									Q
Chloromethane	ND	2.00									Q
Vinyl chloride	ND	0.200									
Bromomethane	ND	1.00									
Trichlorofluoromethane (CFC-11)	ND	1.00									
Chloroethane	ND	1.00									
1,1-Dichloroethene	ND	1.00									
Methylene chloride	ND	1.00									
trans-1,2-Dichloroethene	ND	1.00									
Methyl tert-butyl ether (MTBE)	ND	1.00									
1,1-Dichloroethane	ND	1.00									
2,2-Dichloropropane	ND	2.00									
cis-1,2-Dichloroethene	ND	1.00									
Chloroform	ND	1.00									
1,1,1-Trichloroethane (TCA)	ND	1.00									
1,1-Dichloropropene	ND	1.00									
Carbon tetrachloride	ND	1.00									
1,2-Dichloroethane (EDC)	ND	1.00									
Benzene	ND	1.00									
Trichloroethene (TCE)	ND	0.500									
1,2-Dichloropropane	ND	1.00									
Bromodichloromethane	ND	1.00									
Dibromomethane	ND	1.00									
cis-1,3-Dichloropropene	ND	1.00									
Toluene	ND	1.00									

Work Order: 1902057
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **MB-23465** SampType: **MBLK** Units: **µg/L** Prep Date: **2/6/2019** RunNo: **49353**
Client ID: **MBLKW** Batch ID: **23465** Analysis Date: **2/6/2019** SeqNo: **967702**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,3-Dichloropropylene	ND	1.00									
1,1,2-Trichloroethane	ND	1.00									
1,3-Dichloropropane	ND	1.00									
Tetrachloroethene (PCE)	ND	1.00									
Dibromochloromethane	ND	1.00									
1,2-Dibromoethane (EDB)	ND	0.250									
Chlorobenzene	ND	1.00									
1,1,1,2-Tetrachloroethane	ND	1.00									
Ethylbenzene	ND	1.00									
m,p-Xylene	ND	1.00									
o-Xylene	ND	1.00									
Styrene	ND	1.00									
Isopropylbenzene	ND	1.00									
Bromoform	ND	2.00									
1,1,2,2-Tetrachloroethane	ND	1.00									
n-Propylbenzene	ND	1.00									
Bromobenzene	ND	1.00									
1,3,5-Trimethylbenzene	ND	1.00									
2-Chlorotoluene	ND	1.00									
4-Chlorotoluene	ND	1.00									
tert-Butylbenzene	ND	1.00									
1,2,3-Trichloropropane	ND	1.00									
1,2,4-Trichlorobenzene	ND	2.00									
sec-Butylbenzene	ND	1.00									
4-Isopropyltoluene	ND	1.00									
1,3-Dichlorobenzene	ND	1.00									
1,4-Dichlorobenzene	ND	1.00									
n-Butylbenzene	ND	1.00									
1,2-Dichlorobenzene	ND	1.00									
1,2-Dibromo-3-chloropropane	ND	1.00									
1,2,4-Trimethylbenzene	ND	1.00									

Work Order: 1902057
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **MB-23465** SampType: **MBLK** Units: **µg/L** Prep Date: **2/6/2019** RunNo: **49353**
Client ID: **MBLKW** Batch ID: **23465** Analysis Date: **2/6/2019** SeqNo: **967702**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachloro-1,3-butadiene	ND	4.00									
Naphthalene	ND	1.00									
1,2,3-Trichlorobenzene	ND	4.00									
Surr: Dibromofluoromethane	24.7		25.00		99.0	45.4	152				
Surr: Toluene-d8	26.1		25.00		105	40.1	139				
Surr: 1-Bromo-4-fluorobenzene	25.3		25.00		101	64.2	128				

NOTES:
Q - Indicates an analyte with an initial calibration verification that does not meet established acceptance criteria (Dichlorodifluoromethane, Chloromethane)

Sample ID **1902040-005BDUP** SampType: **DUP** Units: **µg/L** Prep Date: **2/6/2019** RunNo: **49353**
Client ID: **BATCH** Batch ID: **23465** Analysis Date: **2/6/2019** SeqNo: **968130**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.00						0		30	Q
Chloromethane	ND	2.00						0		30	Q
Vinyl chloride	ND	0.200						0		30	
Bromomethane	ND	1.00						0		30	
Trichlorofluoromethane (CFC-11)	ND	1.00						0		30	
Chloroethane	ND	1.00						0		30	
1,1-Dichloroethene	ND	1.00						0		30	
Methylene chloride	ND	1.00						0		30	
trans-1,2-Dichloroethene	ND	1.00						0		30	
Methyl tert-butyl ether (MTBE)	ND	1.00						0		30	
1,1-Dichloroethane	ND	1.00						0		30	
2,2-Dichloropropane	ND	2.00						0		30	
cis-1,2-Dichloroethene	ND	1.00						0		30	
Chloroform	ND	1.00						0		30	
1,1,1-Trichloroethane (TCA)	ND	1.00						0		30	
1,1-Dichloropropene	ND	1.00						0		30	
Carbon tetrachloride	ND	1.00						0		30	
1,2-Dichloroethane (EDC)	ND	1.00						0		30	

Work Order: 1902057
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1902040-005BDUP** SampType: **DUP** Units: **µg/L** Prep Date: **2/6/2019** RunNo: **49353**
Client ID: **BATCH** Batch ID: **23465** Analysis Date: **2/6/2019** SeqNo: **968130**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	1.00						0		30	
Trichloroethene (TCE)	ND	0.500						0		30	
1,2-Dichloropropane	ND	1.00						0		30	
Bromodichloromethane	ND	1.00						0		30	
Dibromomethane	ND	1.00						0		30	
cis-1,3-Dichloropropene	ND	1.00						0		30	
Toluene	ND	1.00						0		30	
trans-1,3-Dichloropropylene	ND	1.00						0		30	
1,1,2-Trichloroethane	ND	1.00						0		30	
1,3-Dichloropropane	ND	1.00						0		30	
Tetrachloroethene (PCE)	ND	1.00						0		30	
Dibromochloromethane	ND	1.00						0		30	
1,2-Dibromoethane (EDB)	ND	0.250						0		30	
Chlorobenzene	ND	1.00						0		30	
1,1,1,2-Tetrachloroethane	ND	1.00						0		30	
Ethylbenzene	ND	1.00						0		30	
m,p-Xylene	ND	1.00						0		30	
o-Xylene	ND	1.00						0		30	
Styrene	ND	1.00						0		30	
Isopropylbenzene	ND	1.00						0		30	
Bromoform	ND	2.00						0		30	
1,1,2,2-Tetrachloroethane	ND	1.00						0		30	
n-Propylbenzene	ND	1.00						0		30	
Bromobenzene	ND	1.00						0		30	
1,3,5-Trimethylbenzene	ND	1.00						0		30	
2-Chlorotoluene	ND	1.00						0		30	
4-Chlorotoluene	ND	1.00						0		30	
tert-Butylbenzene	ND	1.00						0		30	
1,2,3-Trichloropropane	ND	1.00						0		30	
1,2,4-Trichlorobenzene	ND	2.00						0		30	
sec-Butylbenzene	ND	1.00						0		30	

Work Order: 1902057
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1902040-005BDUP** SampType: **DUP** Units: **µg/L** Prep Date: **2/6/2019** RunNo: **49353**
Client ID: **BATCH** Batch ID: **23465** Analysis Date: **2/6/2019** SeqNo: **968130**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Isopropyltoluene	ND	1.00						0		30	
1,3-Dichlorobenzene	ND	1.00						0		30	
1,4-Dichlorobenzene	ND	1.00						0		30	
n-Butylbenzene	ND	1.00						0		30	
1,2-Dichlorobenzene	ND	1.00						0		30	
1,2-Dibromo-3-chloropropane	ND	1.00						0		30	
1,2,4-Trimethylbenzene	ND	1.00						0		30	
Hexachloro-1,3-butadiene	ND	4.00						0		30	
Naphthalene	ND	1.00						0		30	
1,2,3-Trichlorobenzene	ND	4.00						0		30	
Surr: Dibromofluoromethane	24.9		25.00		99.4	45.4	152		0		
Surr: Toluene-d8	25.8		25.00		103	40.1	139		0		
Surr: 1-Bromo-4-fluorobenzene	25.2		25.00		101	64.2	128		0		

NOTES:
Q - Indicates an analyte with an initial calibration verification that does not meet established acceptance criteria (Dichlorodifluoromethane, Chloromethane)

Sample ID **1902057-002AMS** SampType: **MS** Units: **µg/L** Prep Date: **2/6/2019** RunNo: **49353**
Client ID: **MW-163-020519** Batch ID: **23465** Analysis Date: **2/6/2019** SeqNo: **968122**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	210	10.0	200.0	0	105	33.3	122				D
Chloromethane	231	20.0	200.0	0	115	39.7	143				D
Vinyl chloride	253	2.00	200.0	2.950	125	41	165				D
Bromomethane	200	10.0	200.0	0	100	31.5	135				D
Trichlorofluoromethane (CFC-11)	213	10.0	200.0	0	106	54.7	138				D
Chloroethane	236	10.0	200.0	0	118	49.9	143				D
1,1-Dichloroethene	242	10.0	200.0	0	121	51.6	164				D
Methylene chloride	214	10.0	200.0	0	107	61.6	135				D
trans-1,2-Dichloroethene	216	10.0	200.0	0	108	63.5	138				D
Methyl tert-butyl ether (MTBE)	185	10.0	200.0	0	92.7	60.9	132				D
1,1-Dichloroethane	220	10.0	200.0	0	110	55.7	151				D

Work Order: 1902057
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1902057-002AMS** SampType: **MS** Units: **µg/L** Prep Date: **2/6/2019** RunNo: **49353**
Client ID: **MW-163-020519** Batch ID: **23465** Analysis Date: **2/6/2019** SeqNo: **968122**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	215	20.0	200.0	0	107	37.7	150				D
cis-1,2-Dichloroethene	267	10.0	200.0	42.19	112	60	154				D
Chloroform	205	10.0	200.0	0	103	48.1	140				D
1,1,1-Trichloroethane (TCA)	200	10.0	200.0	0	100	64.2	146				D
1,1-Dichloropropene	219	10.0	200.0	0	109	73.8	136				D
Carbon tetrachloride	200	10.0	200.0	0	99.9	62.7	146				D
1,2-Dichloroethane (EDC)	179	10.0	200.0	0	89.3	63.4	137				D
Benzene	223	10.0	200.0	0	112	65.4	138				D
Trichloroethene (TCE)	372	5.00	200.0	149.7	111	60.4	134				D
1,2-Dichloropropane	215	10.0	200.0	0	107	62.6	138				D
Bromodichloromethane	195	10.0	200.0	0	97.6	59.4	139				D
Dibromomethane	200	10.0	200.0	0	99.8	58.7	148				D
cis-1,3-Dichloropropene	198	10.0	200.0	0	98.9	63.8	132				D
Toluene	222	10.0	200.0	0	111	52	147				D
trans-1,3-Dichloropropylene	186	10.0	200.0	0	92.8	57.7	125				D
1,1,2-Trichloroethane	200	10.0	200.0	0	100	57.5	153				D
1,3-Dichloropropane	200	10.0	200.0	0	100	54.1	157				D
Tetrachloroethene (PCE)	450	10.0	200.0	218.5	116	50.3	133				D
Dibromochloromethane	182	10.0	200.0	0	90.9	61.6	139				D
1,2-Dibromoethane (EDB)	193	2.50	200.0	0	96.3	63.2	134				D
Chlorobenzene	207	10.0	200.0	0	104	65.8	134				D
1,1,1,2-Tetrachloroethane	201	10.0	200.0	0	100	65.4	135				D
Ethylbenzene	215	10.0	200.0	0	107	64.5	136				D
m,p-Xylene	424	10.0	400.0	0	106	63.3	135				D
o-Xylene	213	10.0	200.0	0	106	64.8	150				D
Styrene	210	10.0	200.0	0	105	52.9	163				D
Isopropylbenzene	214	10.0	200.0	0	107	56	147				D
Bromoform	182	20.0	200.0	0	91.2	57.7	139				D
1,1,2,2-Tetrachloroethane	205	10.0	200.0	0	102	59.8	146				D
n-Propylbenzene	216	10.0	200.0	0	108	57.6	142				D
Bromobenzene	203	10.0	200.0	0	101	69.3	157				D

Work Order: 1902057
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1902057-002AMS** SampType: **MS** Units: **µg/L** Prep Date: **2/6/2019** RunNo: **49353**
Client ID: **MW-163-020519** Batch ID: **23465** Analysis Date: **2/6/2019** SeqNo: **968122**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	209	10.0	200.0	0	105	59.9	136				D
2-Chlorotoluene	210	10.0	200.0	0	105	61.7	134				D
4-Chlorotoluene	203	10.0	200.0	0	102	58.4	134				D
tert-Butylbenzene	208	10.0	200.0	0	104	66.8	141				D
1,2,3-Trichloropropane	193	10.0	200.0	0	96.3	62.4	129				D
1,2,4-Trichlorobenzene	210	20.0	200.0	0	105	50.9	133				D
sec-Butylbenzene	216	10.0	200.0	0	108	56	146				D
4-Isopropyltoluene	211	10.0	200.0	0	106	56.4	136				D
1,3-Dichlorobenzene	211	10.0	200.0	0	105	58.2	128				D
1,4-Dichlorobenzene	214	10.0	200.0	0	107	60.1	123				D
n-Butylbenzene	229	10.0	200.0	0	115	54.6	135				D
1,2-Dichlorobenzene	211	10.0	200.0	0	106	65.4	133				D
1,2-Dibromo-3-chloropropane	187	10.0	200.0	0	93.6	51.8	142				D
1,2,4-Trimethylbenzene	206	10.0	200.0	0	103	63.7	132				D
Hexachloro-1,3-butadiene	232	40.0	200.0	0	116	58.1	130				D
Naphthalene	200	10.0	200.0	0	99.9	50.7	154				D
1,2,3-Trichlorobenzene	208	40.0	200.0	0	104	57	131				D
Surr: Dibromofluoromethane	247		250.0		98.8	45.4	152				D
Surr: Toluene-d8	258		250.0		103	40.1	139				D
Surr: 1-Bromo-4-fluorobenzene	256		250.0		102	64.2	128				D

Sample ID **1902057-002AMSD** SampType: **MSD** Units: **µg/L** Prep Date: **2/6/2019** RunNo: **49353**
Client ID: **MW-163-020519** Batch ID: **23465** Analysis Date: **2/6/2019** SeqNo: **968123**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	192	10.0	200.0	0	96.1	33.3	122	210.3	9.05	30	D
Chloromethane	228	20.0	200.0	0	114	39.7	143	231.0	1.31	30	D
Vinyl chloride	239	2.00	200.0	2.950	118	41	165	252.6	5.48	30	D
Bromomethane	239	10.0	200.0	0	120	31.5	135	199.9	17.9	30	D
Trichlorofluoromethane (CFC-11)	201	10.0	200.0	0	100	54.7	138	212.9	5.76	30	D

Work Order: 1902057
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1902057-002AMSD** SampType: **MSD** Units: **µg/L** Prep Date: **2/6/2019** RunNo: **49353**
Client ID: **MW-163-020519** Batch ID: **23465** Analysis Date: **2/6/2019** SeqNo: **968123**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroethane	218	10.0	200.0	0	109	49.9	143	235.6	7.75	30	D
1,1-Dichloroethene	231	10.0	200.0	0	116	51.6	164	242.0	4.43	30	D
Methylene chloride	199	10.0	200.0	0	99.7	61.6	135	214.0	7.02	30	D
trans-1,2-Dichloroethene	216	10.0	200.0	0	108	63.5	138	215.8	0.0769	30	D
Methyl tert-butyl ether (MTBE)	184	10.0	200.0	0	92.1	60.9	132	185.3	0.562	30	D
1,1-Dichloroethane	217	10.0	200.0	0	108	55.7	151	220.0	1.50	30	D
2,2-Dichloropropane	213	20.0	200.0	0	106	37.7	150	214.8	0.921	30	D
cis-1,2-Dichloroethene	258	10.0	200.0	42.19	108	60	154	266.8	3.36	30	D
Chloroform	197	10.0	200.0	0	98.4	48.1	140	205.2	4.19	30	D
1,1,1-Trichloroethane (TCA)	195	10.0	200.0	0	97.5	64.2	146	200.3	2.66	30	D
1,1-Dichloropropene	214	10.0	200.0	0	107	73.8	136	218.7	2.28	30	D
Carbon tetrachloride	201	10.0	200.0	0	101	62.7	146	199.8	0.739	30	D
1,2-Dichloroethane (EDC)	172	10.0	200.0	0	86.2	63.4	137	178.6	3.50	30	D
Benzene	216	10.0	200.0	0	108	65.4	138	223.1	3.07	30	D
Trichloroethene (TCE)	358	5.00	200.0	149.7	104	60.4	134	371.7	3.78	30	D
1,2-Dichloropropane	214	10.0	200.0	0	107	62.6	138	214.7	0.347	30	D
Bromodichloromethane	194	10.0	200.0	0	96.8	59.4	139	195.3	0.919	30	D
Dibromomethane	190	10.0	200.0	0	95.2	58.7	148	199.5	4.71	30	D
cis-1,3-Dichloropropene	204	10.0	200.0	0	102	63.8	132	197.8	3.15	30	D
Toluene	216	10.0	200.0	0	108	52	147	222.2	2.95	30	D
trans-1,3-Dichloropropylene	193	10.0	200.0	0	96.7	57.7	125	185.5	4.12	30	D
1,1,2-Trichloroethane	196	10.0	200.0	0	97.9	57.5	153	200.3	2.25	30	D
1,3-Dichloropropane	198	10.0	200.0	0	99.2	54.1	157	200.5	1.03	30	D
Tetrachloroethene (PCE)	443	10.0	200.0	218.5	112	50.3	133	450.0	1.48	30	D
Dibromochloromethane	187	10.0	200.0	0	93.5	61.6	139	181.8	2.85	30	D
1,2-Dibromoethane (EDB)	190	2.50	200.0	0	95.1	63.2	134	192.6	1.28	30	D
Chlorobenzene	202	10.0	200.0	0	101	65.8	134	207.3	2.80	30	D
1,1,1,2-Tetrachloroethane	201	10.0	200.0	0	100	65.4	135	201.0	0.000945	30	D
Ethylbenzene	209	10.0	200.0	0	105	64.5	136	214.9	2.60	30	D
m,p-Xylene	413	10.0	400.0	0	103	63.3	135	424.0	2.66	30	D
o-Xylene	208	10.0	200.0	0	104	64.8	150	212.5	2.03	30	D

Work Order: 1902057
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1902057-002AMSD** SampType: **MSD** Units: **µg/L** Prep Date: **2/6/2019** RunNo: **49353**
Client ID: **MW-163-020519** Batch ID: **23465** Analysis Date: **2/6/2019** SeqNo: **968123**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Styrene	210	10.0	200.0	0	105	52.9	163	210.3	0.311	30	D
Isopropylbenzene	211	10.0	200.0	0	105	56	147	214.4	1.66	30	D
Bromoform	182	20.0	200.0	0	90.8	57.7	139	182.4	0.485	30	D
1,1,2,2-Tetrachloroethane	204	10.0	200.0	0	102	59.8	146	204.9	0.670	30	D
n-Propylbenzene	222	10.0	200.0	0	111	57.6	142	216.3	2.60	30	D
Bromobenzene	198	10.0	200.0	0	99.1	69.3	157	202.6	2.15	30	D
1,3,5-Trimethylbenzene	209	10.0	200.0	0	104	59.9	136	209.0	0.0513	30	D
2-Chlorotoluene	207	10.0	200.0	0	104	61.7	134	209.6	1.23	30	D
4-Chlorotoluene	214	10.0	200.0	0	107	58.4	134	203.4	5.18	30	D
tert-Butylbenzene	217	10.0	200.0	0	109	66.8	141	208.4	4.22	30	D
1,2,3-Trichloropropane	186	10.0	200.0	0	93.0	62.4	129	192.5	3.42	30	D
1,2,4-Trichlorobenzene	197	20.0	200.0	0	98.5	50.9	133	210.3	6.56	30	D
sec-Butylbenzene	216	10.0	200.0	0	108	56	146	216.1	0.0612	30	D
4-Isopropyltoluene	210	10.0	200.0	0	105	56.4	136	211.0	0.609	30	D
1,3-Dichlorobenzene	216	10.0	200.0	0	108	58.2	128	210.6	2.34	30	D
1,4-Dichlorobenzene	207	10.0	200.0	0	104	60.1	123	214.4	3.35	30	D
n-Butylbenzene	223	10.0	200.0	0	112	54.6	135	229.3	2.64	30	D
1,2-Dichlorobenzene	204	10.0	200.0	0	102	65.4	133	211.4	3.55	30	D
1,2-Dibromo-3-chloropropane	171	10.0	200.0	0	85.3	51.8	142	187.1	9.29	30	D
1,2,4-Trimethylbenzene	209	10.0	200.0	0	105	63.7	132	206.2	1.42	30	D
Hexachloro-1,3-butadiene	214	40.0	200.0	0	107	58.1	130	232.1	8.20	30	D
Naphthalene	188	10.0	200.0	0	94.2	50.7	154	199.9	5.85	30	D
1,2,3-Trichlorobenzene	192	40.0	200.0	0	96.2	57	131	208.0	7.85	30	D
Surr: Dibromofluoromethane	243		250.0		97.4	45.4	152		0		D
Surr: Toluene-d8	259		250.0		103	40.1	139		0		D
Surr: 1-Bromo-4-fluorobenzene	258		250.0		103	64.2	128		0		D

Sample Log-In Check List

Client Name:	**PES**	Work Order Number:	**1902057**
Logged by:	**Brianna Barnes**	Date Received:	**2/5/2019 5:19:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Required ☑
6.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
7.	Were all items received at a temperature of >0°C to 10.0°C*	Yes ☑	No ☐	NA ☐
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☑	NA ☐
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Cooler	2.3
Sample	5.5
Temp Blank	5.3

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 02-05-19 | Page: 1 | of:

Laboratory Project No (internal): 1902057

Special Remarks:

Project Name: American Linen

Project No: 1413.001.05.305

Collected by: Kouas Zygas

Location: Seattle, WA

Report To (PM): Brian O'Neal

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Client: PES Environmental

Address: 1215 4th Ave, Ste 1350

City, State, Zip: Seattle, WA 98161

Telephone: (206) 529-3980

Fax: (206) 529-3985

PM Email: BONEAL@PESENV.COM, BHALDEMAN@PESENV.COM KVIK@PESENV.COM KSPRINGSTEAD@PESENV.COM

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	MW-162-020519	2/5/19	1159	GW	X													RUSH TAT
2	MW-163-020519	2/5/19	1430	GW	X													q.s.ap.
3	MW-907-020519	2/5/19	1430	GW	X													
4	QA-020519	2/5/19	1430	GW	X													
5	MW-164-020519	2/5/19	1615	GW	X													
6	EQ-020519	2/5/19	1640	—	X													Standard TAT
7																		
8																		
9																		
10																		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished	Date/Time	Received	Date/Time
x [signature]	02-05-19 1719	x [signature]	2/5/19 1719
Relinquished	Date/Time	Received	Date/Time
x		x	

Turn-around Time:

- ☐ Standard
- ☐ 3 Day
- ☐ 2 Day
- ☐ Next Day
- Same Day RUSH (specify)

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 02-05-19 | Page: 1 | of:

Laboratory Project No (internal): 1902057

Project Name: American Linen

Special Remarks:

Project No: 1413.001.05.305

Client: PES Environmental

Collected by: Kouas Zygas

Address: 1215 4th Ave, Ste 1350

Location: Seattle, WA

edits per KS 2/5/19 BMB

City, State, Zip: Seattle, WA 98161

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Telephone: (206) 529-3980

Report To (PM): Brian O'Neal

Fax: (206) 529-3985

PM Email: BONEAL@PESENV.COM, BHALDEMAN@PESENV.COM KVIK@PESENV.COM KSPRINGSTEAD@PESENV.COM

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1 MW-162-020519	2/5/19	1159	GW	X													RUSH TAT
2 MW-163-020519	2/5/19	1430	GW	X													q.s.q.p.
3 MW-907-020519	2/5/19	1430	GW	X													
~~4 QA-020519~~	~~2/5/19~~	~~1430~~	~~GW~~	~~X~~													
5 MW-164-020519	2/5/19	1615	GW	X													
6 EQ-020519	2/5/19	1640	—	X													Standard TAT
7																	
8																	
9																	
10																	

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:
- ☐ Standard
- ☐ 3 Day
- ☐ 2 Day
- ☐ Next Day
- Same Day RUSH (specify)

Relinquished	Date/Time	Received	Date/Time
x [signature]	02-05-19 1719	x [signature]	2/5/19 1719
Relinquished	Date/Time	Received	Date/Time
x		x	

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Brian O'Neal
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: American Linen
Work Order Number: 1908386

August 30, 2019

Attention Brian O'Neal:

Fremont Analytical, Inc. received 2 sample(s) on 8/28/2019 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:
Dan Balbiani
Karsten Springstead
Kim Vik

Date: *08/30/2019*

CLIENT: PES Environmental, Inc.
Project: American Linen
Work Order: 1908386

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1908386-001	CAA-C2-10	08/28/2019 4:00 PM	08/28/2019 4:35 PM
1908386-002	CAA-C1-43	08/27/2019 2:55 PM	08/28/2019 4:35 PM

Case Narrative

WO#: **1908386**
Date: **8/30/2019**

CLIENT: PES Environmental, Inc.
Project: American Linen

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

CLIENT: PES Environmental, Inc.
Project: American Linen

Lab ID: 1908386-001 **Collection Date:** 8/28/2019 4:00:00 PM
Client Sample ID: **CAA-C2-10** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25657		Analyst: KT
Vinyl chloride	ND	0.278	D	mg/Kg-dry	10	8/29/2019 1:09:53 PM
cis-1,2-Dichloroethene	0.625	0.222	D	mg/Kg-dry	10	8/29/2019 1:09:53 PM
Trichloroethene (TCE)	ND	0.222	D	mg/Kg-dry	10	8/29/2019 1:09:53 PM
Tetrachloroethene (PCE)	ND	0.278	D	mg/Kg-dry	10	8/29/2019 1:09:53 PM
Surr: Dibromofluoromethane	91.9	56.5 - 129	D	%Rec	10	8/29/2019 1:09:53 PM
Surr: Toluene-d8	95.9	64.5 - 151	D	%Rec	10	8/29/2019 1:09:53 PM
Surr: 1-Bromo-4-fluorobenzene	95.5	54.8 - 168	D	%Rec	10	8/29/2019 1:09:53 PM
Sample Moisture (Percent Moisture)				Batch ID: R53583		Analyst: SBM
Percent Moisture	18.4	0.500		wt%	1	8/30/2019 9:38:05 AM

Lab ID: 1908386-002 **Collection Date:** 8/27/2019 2:55:00 PM
Client Sample ID: **CAA-C1-43** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25657		Analyst: KT
Vinyl chloride	ND	0.261	D	mg/Kg-dry	10	8/29/2019 2:10:08 PM
cis-1,2-Dichloroethene	ND	0.209	D	mg/Kg-dry	10	8/29/2019 2:10:08 PM
Trichloroethene (TCE)	ND	0.209	D	mg/Kg-dry	10	8/29/2019 2:10:08 PM
Tetrachloroethene (PCE)	ND	0.261	D	mg/Kg-dry	10	8/29/2019 2:10:08 PM
Surr: Dibromofluoromethane	91.9	56.5 - 129	D	%Rec	10	8/29/2019 2:10:08 PM
Surr: Toluene-d8	96.9	64.5 - 151	D	%Rec	10	8/29/2019 2:10:08 PM
Surr: 1-Bromo-4-fluorobenzene	94.1	54.8 - 168	D	%Rec	10	8/29/2019 2:10:08 PM
Sample Moisture (Percent Moisture)				Batch ID: R53583		Analyst: SBM
Percent Moisture	9.46	0.500		wt%	1	8/30/2019 9:38:05 AM

Work Order: 1908386
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID **LCS-25657** SampType: **LCS** Units: **mg/Kg** Prep Date: **8/29/2019** RunNo: **53594**
Client ID: **LCSS** Batch ID: **25657** Analysis Date: **8/29/2019** SeqNo: **1061085**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.956	0.0250	1.000	0	95.6	43.4	151				
cis-1,2-Dichloroethene	0.998	0.0200	1.000	0	99.8	71.3	135				
Trichloroethene (TCE)	1.02	0.0200	1.000	0	102	65.5	137				
Tetrachloroethene (PCE)	1.02	0.0250	1.000	0	102	52.7	150				
Surr: Dibromofluoromethane	1.24		1.250		99.0	56.5	129				
Surr: Toluene-d8	1.26		1.250		101	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.18		1.250		94.4	54.8	168				

Sample ID **MB-25657** SampType: **MBLK** Units: **mg/Kg** Prep Date: **8/29/2019** RunNo: **53594**
Client ID: **MBLKS** Batch ID: **25657** Analysis Date: **8/29/2019** SeqNo: **1061086**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
cis-1,2-Dichloroethene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0250									
Surr: Dibromofluoromethane	1.16		1.250		92.9	56.5	129				
Surr: Toluene-d8	1.21		1.250		96.4	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.18		1.250		94.2	54.8	168				

Sample ID **1908386-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **8/29/2019** RunNo: **53594**
Client ID: **CAA-C2-10** Batch ID: **25657** Analysis Date: **8/29/2019** SeqNo: **1061078**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.278						0	0	30	D
cis-1,2-Dichloroethene	0.645	0.222						0.6249	3.15	30	D
Trichloroethene (TCE)	ND	0.222						0	0	30	D
Tetrachloroethene (PCE)	ND	0.278						0	0	30	D
Surr: Dibromofluoromethane	12.8		13.90		92.1	56.5	129		0		D
Surr: Toluene-d8	13.5		13.90		97.3	64.5	151		0		D

Work Order: 1908386
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID **1908386-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **8/29/2019** RunNo: **53594**
Client ID: **CAA-C2-10** Batch ID: **25657** Analysis Date: **8/29/2019** SeqNo: **1061078**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1-Bromo-4-fluorobenzene	13.2		13.90		94.8	54.8	168		0		D

Sample ID **1908386-002BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **8/29/2019** RunNo: **53594**
Client ID: **CAA-C1-43** Batch ID: **25657** Analysis Date: **8/29/2019** SeqNo: **1061080**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	9.14	0.261	10.45	0	87.4	43.6	150				D
cis-1,2-Dichloroethene	10.2	0.209	10.45	0	97.2	58.6	136				D
Trichloroethene (TCE)	10.5	0.209	10.45	0	100	61.6	147				D
Tetrachloroethene (PCE)	10.3	0.261	10.45	0	98.7	35.6	158				D
Surr: Dibromofluoromethane	12.4		13.06		95.0	56.5	129				D
Surr: Toluene-d8	12.7		13.06		97.0	64.5	151				D
Surr: 1-Bromo-4-fluorobenzene	12.4		13.06		94.7	54.8	168				D

Sample ID **1908386-002BMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **8/29/2019** RunNo: **53594**
Client ID: **CAA-C1-43** Batch ID: **25657** Analysis Date: **8/29/2019** SeqNo: **1061081**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	8.72	0.261	10.45	0	83.5	43.6	150	9.135	4.61	30	D
cis-1,2-Dichloroethene	9.75	0.209	10.45	0	93.3	58.6	136	10.16	4.19	30	D
Trichloroethene (TCE)	9.94	0.209	10.45	0	95.1	61.6	147	10.46	5.04	30	D
Tetrachloroethene (PCE)	9.88	0.261	10.45	0	94.5	35.6	158	10.32	4.37	30	D
Surr: Dibromofluoromethane	12.4		13.06		95.0	56.5	129		0		D
Surr: Toluene-d8	12.7		13.06		97.4	64.5	151		0		D
Surr: 1-Bromo-4-fluorobenzene	12.5		13.06		95.7	54.8	168		0		D

Work Order: 1908386
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Sample Moisture (Percent Moisture)

Sample ID **1908382-001CDUP** SampType: **DUP** Units: **wt%** Prep Date: **8/30/2019** RunNo: **53583**
Client ID: **BATCH** Batch ID: **R53583** Analysis Date: **8/30/2019** SeqNo: **1060775**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	5.12	0.500						5.697	10.6	20	

Sample ID **1908383-008ADUP** SampType: **DUP** Units: **wt%** Prep Date: **8/30/2019** RunNo: **53583**
Client ID: **BATCH** Batch ID: **R53583** Analysis Date: **8/30/2019** SeqNo: **1060785**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	4.75	0.500						5.668	17.6	20	

Sample Log-In Check List

Client Name:	**PES**	Work Order Number:	**1908386**
Logged by:	**Clare Griggs**	Date Received:	**8/28/2019 4:35:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Required ☑
6.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
7.	Were all items received at a temperature of >0°C to 10.0°C*	Yes ☑	No ☐	NA ☐
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Pulled completed sampling time for "CAA-C1-43" from sample label.

Item Information

Item #	Temp °C
Cooler	6.7
Sample	7.2

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 8-28-19 Page: 1 of: 1

Laboratory Project No (internal): 1908386

Special Remarks: SELECT LIST: PCE, TCE, CIS-1,2 DCE, VC
48 HR TAT: FRI EOD

Project Name: AMERICAN LINEN
Project No: 1413.001.05.310
Collected by: R MCLAUGHLIN
Location: SEATTLE WA
Report To (PM): B. ONEAL
PM Email: BONEAL@PESENV.COM

Client: PES ENVIRONMENTAL
Address: 1215 4th AVE STE 1350
City, State, Zip: SEATTLE WA 98161
Telephone: 206 529 3980
Fax: 206 529 3985

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	CAA-C2-10	8/28/19	1600	S	X													
2	CAA-C1-43	8/27/19	14	S	X													
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished	Date/Time	Received	Date/Time
x [signature]	8/28/19 1635	x [signature]	8/28/19 1635
Relinquished x	Date/Time	Received x	Date/Time

Turn-around Time:
- ☐ Standard
- ☐ 3 Day
- ☒ 2 Day
- ☐ Next Day
- Same Day _____ (specify)

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Brian O'Neal
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: American Linen
Work Order Number: 1908418

September 04, 2019

Attention Brian O'Neal:

Fremont Analytical, Inc. received 4 sample(s) on 8/30/2019 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:
Dan Balbiani
Karsten Springstead
Kim Vik

Date: *09/04/2019*

CLIENT: PES Environmental, Inc.
Project: American Linen
Work Order: 1908418

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1908418-001	CA-B10-20	08/30/2019 2:05 PM	08/30/2019 2:50 PM
1908418-002	CA-B10-25	08/30/2019 2:07 PM	08/30/2019 2:50 PM
1908418-003	CA-B10-21	08/30/2019 2:10 PM	08/30/2019 2:50 PM
1908418-004	CA-B10-17	08/30/2019 2:30 PM	08/30/2019 2:50 PM

Case Narrative

WO#: **1908418**
Date: **9/4/2019**

CLIENT: PES Environmental, Inc.
Project: American Linen

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

CLIENT: PES Environmental, Inc.
Project: American Linen

Lab ID: 1908418-001 **Collection Date:** 8/30/2019 2:05:00 PM
Client Sample ID: **CA-B10-20** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25679		Analyst: KT
Vinyl chloride	0.292	0.272	D	mg/Kg-dry	10	8/31/2019 12:18:15 AM
cis-1,2-Dichloroethene	5.99	0.217	D	mg/Kg-dry	10	8/31/2019 12:18:15 AM
Trichloroethene (TCE)	3.26	0.217	D	mg/Kg-dry	10	8/31/2019 12:18:15 AM
Tetrachloroethene (PCE)	1,220	136	D	mg/Kg-dry	5000	9/3/2019 7:58:47 AM
Surr: Dibromofluoromethane	94.0	56.5 - 129	D	%Rec	10	8/31/2019 12:18:15 AM
Surr: Toluene-d8	98.4	64.5 - 151	D	%Rec	10	8/31/2019 12:18:15 AM
Surr: 1-Bromo-4-fluorobenzene	98.2	54.8 - 168	D	%Rec	10	8/31/2019 12:18:15 AM
Sample Moisture (Percent Moisture)				Batch ID: R53603		Analyst: SBM
Percent Moisture	9.40	0.500		wt%	1	9/3/2019 10:18:33 AM

Lab ID: 1908418-002 **Collection Date:** 8/30/2019 2:07:00 PM
Client Sample ID: **CA-B10-25** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25679		Analyst: KT
Vinyl chloride	ND	0.221	D	mg/Kg-dry	10	9/3/2019 7:28:38 AM
cis-1,2-Dichloroethene	0.515	0.176	D	mg/Kg-dry	10	9/3/2019 7:28:38 AM
Trichloroethene (TCE)	ND	0.176	D	mg/Kg-dry	10	9/3/2019 7:28:38 AM
Tetrachloroethene (PCE)	4.07	0.221	D	mg/Kg-dry	10	9/3/2019 7:28:38 AM
Surr: Dibromofluoromethane	95.4	56.5 - 129	D	%Rec	10	9/3/2019 7:28:38 AM
Surr: Toluene-d8	97.3	64.5 - 151	D	%Rec	10	9/3/2019 7:28:38 AM
Surr: 1-Bromo-4-fluorobenzene	93.5	54.8 - 168	D	%Rec	10	9/3/2019 7:28:38 AM
Sample Moisture (Percent Moisture)				Batch ID: R53603		Analyst: SBM
Percent Moisture	8.19	0.500		wt%	1	9/3/2019 10:18:33 AM

CLIENT: PES Environmental, Inc.
Project: American Linen

Lab ID: 1908418-003 **Collection Date:** 8/30/2019 2:10:00 PM
Client Sample ID: **CA-B10-21** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25679		Analyst: KT
Vinyl chloride	ND	0.280	D	mg/Kg-dry	10	8/31/2019 1:18:34 AM
cis-1,2-Dichloroethene	0.483	0.224	D	mg/Kg-dry	10	8/31/2019 1:18:34 AM
Trichloroethene (TCE)	0.168	0.224	JD	mg/Kg-dry	10	8/31/2019 1:18:34 AM
Tetrachloroethene (PCE)	13.7	0.280	D	mg/Kg-dry	10	8/31/2019 1:18:34 AM
Surr: Dibromofluoromethane	93.2	56.5 - 129	D	%Rec	10	8/31/2019 1:18:34 AM
Surr: Toluene-d8	97.9	64.5 - 151	D	%Rec	10	8/31/2019 1:18:34 AM
Surr: 1-Bromo-4-fluorobenzene	94.1	54.8 - 168	D	%Rec	10	8/31/2019 1:18:34 AM
Sample Moisture (Percent Moisture)				Batch ID: R53603		Analyst: SBM
Percent Moisture	7.38	0.500		wt%	1	9/3/2019 10:18:33 AM

Lab ID: 1908418-004 **Collection Date:** 8/30/2019 2:30:00 PM
Client Sample ID: **CA-B10-17** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25679		Analyst: KT
Vinyl chloride	ND	0.239	D	mg/Kg-dry	10	8/31/2019 1:48:45 AM
cis-1,2-Dichloroethene	0.101	0.191	DJ	mg/Kg-dry	10	8/31/2019 1:48:45 AM
Trichloroethene (TCE)	ND	0.191	D	mg/Kg-dry	10	8/31/2019 1:48:45 AM
Tetrachloroethene (PCE)	1.31	0.239	D	mg/Kg-dry	10	8/31/2019 1:48:45 AM
Surr: Dibromofluoromethane	94.7	56.5 - 129	D	%Rec	10	8/31/2019 1:48:45 AM
Surr: Toluene-d8	98.5	64.5 - 151	D	%Rec	10	8/31/2019 1:48:45 AM
Surr: 1-Bromo-4-fluorobenzene	94.4	54.8 - 168	D	%Rec	10	8/31/2019 1:48:45 AM
Sample Moisture (Percent Moisture)				Batch ID: R53603		Analyst: SBM
Percent Moisture	7.43	0.500		wt%	1	9/3/2019 10:18:33 AM

Work Order: 1908418
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-25679**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **8/30/2019**	RunNo: **53598**
Client ID: **LCSS**	Batch ID: **25679**		Analysis Date: **8/30/2019**	SeqNo: **1061222**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.01	0.0250	1.000	0	101	43.4	151				
cis-1,2-Dichloroethene	1.05	0.0200	1.000	0	105	71.3	135				
Trichloroethene (TCE)	1.08	0.0200	1.000	0	108	65.5	137				
Tetrachloroethene (PCE)	1.09	0.0250	1.000	0	109	52.7	150				
Surr: Dibromofluoromethane	1.33		1.250		106	56.5	129				
Surr: Toluene-d8	1.34		1.250		108	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.17		1.250		93.4	54.8	168				

Sample ID: **MB-25679**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **8/30/2019**	RunNo: **53598**
Client ID: **MBLKS**	Batch ID: **25679**		Analysis Date: **8/30/2019**	SeqNo: **1061223**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
cis-1,2-Dichloroethene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0250									
Surr: Dibromofluoromethane	1.17		1.250		93.7	56.5	129				
Surr: Toluene-d8	1.23		1.250		98.5	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.17		1.250		93.4	54.8	168				

Sample ID: **1908349-007BDUP**	SampType: **DUP**	Units: **mg/Kg-dry**	Prep Date: **8/30/2019**	RunNo: **53598**
Client ID: **BATCH**	Batch ID: **25679**		Analysis Date: **8/30/2019**	SeqNo: **1061193**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0156						0	0	30	
cis-1,2-Dichloroethene	ND	0.0124						0	0	30	
Trichloroethene (TCE)	ND	0.0124						0	0	30	
Tetrachloroethene (PCE)	ND	0.0156						0	0	30	
Surr: Dibromofluoromethane	0.752		0.7778		96.7	56.5	129		0		
Surr: Toluene-d8	0.768		0.7778		98.7	64.5	151		0		

Work Order: 1908418
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **1908349-007BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **8/30/2019** RunNo: **53598**
Client ID: **BATCH** Batch ID: **25679** Analysis Date: **8/30/2019** SeqNo: **1061193**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1-Bromo-4-fluorobenzene	2.93		3.889		75.3	54.8	168		0		

Sample ID: **1908349-008BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **8/30/2019** RunNo: **53598**
Client ID: **BATCH** Batch ID: **25679** Analysis Date: **8/30/2019** SeqNo: **1061195**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.530	0.0128	0.5129	0	103	43.6	150				
cis-1,2-Dichloroethene	0.524	0.0103	0.5129	0	102	58.6	136				
Trichloroethene (TCE)	0.541	0.0103	0.5129	0	105	61.6	147				
Tetrachloroethene (PCE)	0.552	0.0128	0.5129	0	108	35.6	158				
Surr: Dibromofluoromethane	0.618		0.6412		96.4	56.5	129				
Surr: Toluene-d8	0.629		0.6412		98.1	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	2.50		3.206		78.0	54.8	168				

Sample ID: **1908349-008BMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **8/30/2019** RunNo: **53598**
Client ID: **BATCH** Batch ID: **25679** Analysis Date: **8/30/2019** SeqNo: **1061196**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.526	0.0128	0.5129	0	103	43.6	150	0.5304	0.788	30	
cis-1,2-Dichloroethene	0.536	0.0103	0.5129	0	105	58.6	136	0.5243	2.21	30	
Trichloroethene (TCE)	0.577	0.0103	0.5129	0	113	61.6	147	0.5411	6.49	30	
Tetrachloroethene (PCE)	0.560	0.0128	0.5129	0	109	35.6	158	0.5523	1.38	30	
Surr: Dibromofluoromethane	0.624		0.6412		97.3	56.5	129		0		
Surr: Toluene-d8	0.625		0.6412		97.5	64.5	151		0		
Surr: 1-Bromo-4-fluorobenzene	2.52		3.206		78.8	54.8	168		0		

Work Order: 1908418
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **1908349-027BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **8/30/2019** RunNo: **53598**
Client ID: **BATCH** Batch ID: **25679** Analysis Date: **8/30/2019** SeqNo: **1061211**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0117						0	0	30	
cis-1,2-Dichloroethene	ND	0.00933						0	0	30	
Trichloroethene (TCE)	ND	0.00933						0	0	30	
Tetrachloroethene (PCE)	ND	0.0117						0	0	30	
Surr: Dibromofluoromethane	0.554		0.5829		95.0	56.5	129		0		
Surr: Toluene-d8	0.577		0.5829		99.0	64.5	151		0		
Surr: 1-Bromo-4-fluorobenzene	2.61		2.914		89.7	54.8	168		0		

Work Order: 1908418
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Sample Moisture (Percent Moisture)

Sample ID: **1908417-008ADUP** SampType: **DUP** Units: **wt%** Prep Date: **9/3/2019** RunNo: **53603**
Client ID: **BATCH** Batch ID: **R53603** Analysis Date: **9/3/2019** SeqNo: **1061269**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	7.42	0.500						7.273	1.97	20	

Sample ID: **1908418-002ADUP** SampType: **DUP** Units: **wt%** Prep Date: **9/3/2019** RunNo: **53603**
Client ID: **CA-B10-25** Batch ID: **R53603** Analysis Date: **9/3/2019** SeqNo: **1061282**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	8.33	0.500						8.192	1.62	20	

Sample Log-In Check List

Client Name:	**PES**	Work Order Number:	**1908418**
Logged by:	**Carissa True**	Date Received:	**8/30/2019 2:50:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Required ☑
6.	Was an attempt made to cool the samples?	Yes ☐	No ☑	NA ☐
		Samples received straight from field		
7.	Were all items received at a temperature of >0°C to 10.0°C *	Yes ☐	No ☐	NA ☑
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample 1	30.0

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 8/30/19 Page: 1 of: 1

Laboratory Project No (internal): 1908418

Project Name: American Linen

Special Remarks: SELECT LIST: PCE, TCE, cis-DCE, VC

Client: PES Environmental

Project No: 1413.001.05.310

Address: 1215 4th Ave #1350

Collected by: RTM/KS2/HRC

City, State, Zip: Seattle, WA 98161

Location: Seattle, WA

Telephone: (206)529-3980

Report To (PM): Brian O'Neal

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax: (206)529-3985

PM Email: BONEAL@PESENV.COM

48 HR TAT

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) / Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	CA-B10-20	8/30/19	1405	S	X													
2	CA-B10-25	"	1407	"	X													
3	CA-B10-21	"	1410	"	X													
4	CA-B10-17	"	1430	"	X													
5																		
6																		
7			HC															
8																		
9																		
10																		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished	Date/Time	Received	Date/Time
x Hannah Colvin	1450 8/30/19	x [illegible]	8/30/19 1450
Relinquished	Date/Time	Received	Date/Time
x		x	

Turn-around Time:

- ☐ Standard
- ☐ 3 Day
- ☒ 2 Day
- ☐ Next Day
- Same Day _____ (specify)

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Brian O'Neal
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: American Linen
Work Order Number: 1909013

September 09, 2019

Attention Brian O'Neal:

Fremont Analytical, Inc. received 4 sample(s) on 9/3/2019 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:
Dan Balbiani
Karsten Springstead
Kim Vik

Date: *09/09/2019*

CLIENT: PES Environmental, Inc.
Project: American Linen
Work Order: 1909013

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1909013-001	CA-C8-35	09/03/2019 4:00 PM	09/03/2019 4:56 PM
1909013-002	CA-D5-14	09/03/2019 11:20 AM	09/03/2019 4:56 PM
1909013-003	CA-D5-22	09/03/2019 11:25 AM	09/03/2019 4:56 PM
1909013-004	CA-D5-26	09/03/2019 11:30 AM	09/03/2019 4:56 PM

Case Narrative

WO#: **1909013**
Date: **9/9/2019**

CLIENT: PES Environmental, Inc.
Project: American Linen

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

CLIENT: PES Environmental, Inc.
Project: American Linen

Lab ID: 1909013-001 **Collection Date:** 9/3/2019 4:00:00 PM
Client Sample ID: **CA-C8-35** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25706		Analyst: KT
Vinyl chloride	ND	0.209	D	mg/Kg-dry	10	9/7/2019 8:06:37 AM
cis-1,2-Dichloroethene	ND	0.167	D	mg/Kg-dry	10	9/7/2019 8:06:37 AM
Trichloroethene (TCE)	ND	0.167	D	mg/Kg-dry	10	9/7/2019 8:06:37 AM
Tetrachloroethene (PCE)	ND	0.209	D	mg/Kg-dry	10	9/7/2019 8:06:37 AM
Surr: Dibromofluoromethane	102	56.5 - 129	D	%Rec	10	9/7/2019 8:06:37 AM
Surr: Toluene-d8	102	64.5 - 151	D	%Rec	10	9/7/2019 8:06:37 AM
Surr: 1-Bromo-4-fluorobenzene	98.7	54.8 - 168	D	%Rec	10	9/7/2019 8:06:37 AM
Sample Moisture (Percent Moisture)				Batch ID: R53634		Analyst: SBM
Percent Moisture	5.82	0.500		wt%	1	9/4/2019 5:10:45 PM

Lab ID: 1909013-002 **Collection Date:** 9/3/2019 11:20:00 AM
Client Sample ID: **CA-D5-14** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25706		Analyst: KT
Vinyl chloride	ND	0.221	D	mg/Kg-dry	10	9/7/2019 9:06:54 AM
cis-1,2-Dichloroethene	0.191	0.177	D	mg/Kg-dry	10	9/7/2019 9:06:54 AM
Trichloroethene (TCE)	ND	0.177	D	mg/Kg-dry	10	9/7/2019 9:06:54 AM
Tetrachloroethene (PCE)	9.08	0.221	D	mg/Kg-dry	10	9/7/2019 9:06:54 AM
Surr: Dibromofluoromethane	100	56.5 - 129	D	%Rec	10	9/7/2019 9:06:54 AM
Surr: Toluene-d8	102	64.5 - 151	D	%Rec	10	9/7/2019 9:06:54 AM
Surr: 1-Bromo-4-fluorobenzene	96.8	54.8 - 168	D	%Rec	10	9/7/2019 9:06:54 AM
Sample Moisture (Percent Moisture)				Batch ID: R53634		Analyst: SBM
Percent Moisture	10.9	0.500		wt%	1	9/4/2019 5:10:45 PM

CLIENT: PES Environmental, Inc.
Project: American Linen

Lab ID: 1909013-003 **Collection Date:** 9/3/2019 11:25:00 AM
Client Sample ID: **CA-D5-22** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25706		Analyst: KT
Vinyl chloride	ND	0.229	D	mg/Kg-dry	10	9/7/2019 10:37:21 AM
cis-1,2-Dichloroethene	2.73	0.183	D	mg/Kg-dry	10	9/7/2019 10:37:21 AM
Trichloroethene (TCE)	1.49	0.183	D	mg/Kg-dry	10	9/7/2019 10:37:21 AM
Tetrachloroethene (PCE)	904	22.9	D	mg/Kg-dry	1000	9/7/2019 10:07:11 AM
Surr: Dibromofluoromethane	100	56.5 - 129	D	%Rec	10	9/7/2019 10:37:21 AM
Surr: Toluene-d8	103	64.5 - 151	D	%Rec	10	9/7/2019 10:37:21 AM
Surr: 1-Bromo-4-fluorobenzene	103	54.8 - 168	D	%Rec	10	9/7/2019 10:37:21 AM
Sample Moisture (Percent Moisture)				Batch ID: R53634		Analyst: SBM
Percent Moisture	10.1	0.500		wt%	1	9/4/2019 5:10:45 PM

Lab ID: 1909013-004 **Collection Date:** 9/3/2019 11:30:00 AM
Client Sample ID: **CA-D5-26** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25706		Analyst: KT
Vinyl chloride	ND	0.226	D	mg/Kg-dry	10	9/7/2019 9:37:02 AM
cis-1,2-Dichloroethene	0.848	0.181	D	mg/Kg-dry	10	9/7/2019 9:37:02 AM
Trichloroethene (TCE)	0.646	0.181	D	mg/Kg-dry	10	9/7/2019 9:37:02 AM
Tetrachloroethene (PCE)	9.24	0.226	D	mg/Kg-dry	10	9/7/2019 9:37:02 AM
Surr: Dibromofluoromethane	102	56.5 - 129	D	%Rec	10	9/7/2019 9:37:02 AM
Surr: Toluene-d8	103	64.5 - 151	D	%Rec	10	9/7/2019 9:37:02 AM
Surr: 1-Bromo-4-fluorobenzene	96.4	54.8 - 168	D	%Rec	10	9/7/2019 9:37:02 AM
Sample Moisture (Percent Moisture)				Batch ID: R53634		Analyst: SBM
Percent Moisture	5.96	0.500		wt%	1	9/4/2019 5:10:45 PM

Work Order: 1909013
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-25706** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/4/2019** RunNo: **53726**
Client ID: **LCSS** Batch ID: **25706** Analysis Date: **9/7/2019** SeqNo: **1063411**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.971	0.0250	1.000	0	97.1	43.4	151				
cis-1,2-Dichloroethene	1.04	0.0200	1.000	0	104	71.3	135				
Trichloroethene (TCE)	1.04	0.0200	1.000	0	104	65.5	137				
Tetrachloroethene (PCE)	1.02	0.0250	1.000	0	102	52.7	150				
Surr: Dibromofluoromethane	1.28		1.250		102	56.5	129				
Surr: Toluene-d8	1.27		1.250		102	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.24		1.250		98.9	54.8	168				

Sample ID: **MB-25706** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/4/2019** RunNo: **53726**
Client ID: **MBLKS** Batch ID: **25706** Analysis Date: **9/7/2019** SeqNo: **1063412**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
cis-1,2-Dichloroethene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0250									
Surr: Dibromofluoromethane	1.28		1.250		102	56.5	129				
Surr: Toluene-d8	1.27		1.250		102	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.23		1.250		98.2	54.8	168				

Sample ID: **1908417-021BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/4/2019** RunNo: **53726**
Client ID: **BATCH** Batch ID: **25706** Analysis Date: **9/7/2019** SeqNo: **1063389**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0363						0	0	30	
cis-1,2-Dichloroethene	ND	0.0291						0	0	30	
Trichloroethene (TCE)	ND	0.0291						0	0	30	
Tetrachloroethene (PCE)	ND	0.0363						0	0	30	
Surr: Dibromofluoromethane	1.83		1.817		101	56.5	129		0		
Surr: Toluene-d8	1.84		1.817		101	64.5	151		0		

Work Order: 1909013
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **1908417-021BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/4/2019** RunNo: **53726**
Client ID: **BATCH** Batch ID: **25706** Analysis Date: **9/7/2019** SeqNo: **1063389**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1-Bromo-4-fluorobenzene	1.76		1.817		97.0	54.8	168		0		

Sample ID: **1909013-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/4/2019** RunNo: **53726**
Client ID: **CA-C8-35** Batch ID: **25706** Analysis Date: **9/7/2019** SeqNo: **1063393**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.209						0	0	30	D
cis-1,2-Dichloroethene	ND	0.167						0	0	30	D
Trichloroethene (TCE)	ND	0.167						0	0	30	D
Tetrachloroethene (PCE)	ND	0.209						0	0	30	D
Surr: Dibromofluoromethane	10.5		10.44		101	56.5	129		0		D
Surr: Toluene-d8	10.7		10.44		103	64.5	151		0		D
Surr: 1-Bromo-4-fluorobenzene	10.2		10.44		97.5	54.8	168		0		D

Sample ID: **1909013-004BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/4/2019** RunNo: **53726**
Client ID: **CA-D5-26** Batch ID: **25706** Analysis Date: **9/7/2019** SeqNo: **1063398**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	9.99	0.226	9.027	0	111	43.6	150				D
cis-1,2-Dichloroethene	10.6	0.181	9.027	0.8479	108	58.6	136				D
Trichloroethene (TCE)	10.6	0.181	9.027	0.6463	110	61.6	147				D
Tetrachloroethene (PCE)	20.1	0.226	9.027	9.236	120	35.6	158				D
Surr: Dibromofluoromethane	11.9		11.28		105	56.5	129				D
Surr: Toluene-d8	11.8		11.28		104	64.5	151				D
Surr: 1-Bromo-4-fluorobenzene	11.2		11.28		98.9	54.8	168				D

Work Order: 1909013
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **1909013-004BMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **9/4/2019** RunNo: **53726**
Client ID: **CA-D5-26** Batch ID: **25706** Analysis Date: **9/7/2019** SeqNo: **1063399**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	10.1	0.226	9.027	0	112	43.6	150	9.985	0.942	30	D
cis-1,2-Dichloroethene	10.7	0.181	9.027	0.8479	109	58.6	136	10.56	0.925	30	D
Trichloroethene (TCE)	10.5	0.181	9.027	0.6463	110	61.6	147	10.57	0.309	30	D
Tetrachloroethene (PCE)	20.7	0.226	9.027	9.236	127	35.6	158	20.09	2.87	30	D
Surr: Dibromofluoromethane	11.9		11.28		106	56.5	129		0		D
Surr: Toluene-d8	11.8		11.28		104	64.5	151		0		D
Surr: 1-Bromo-4-fluorobenzene	11.2		11.28		99.0	54.8	168		0		D

Work Order: 1909013
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Sample Moisture (Percent Moisture)

Sample ID: **1909027-008ADUP** SampType: **DUP** Units: **wt%** Prep Date: **9/4/2019** RunNo: **53634**
Client ID: **BATCH** Batch ID: **R53634** Analysis Date: **9/4/2019** SeqNo: **1062239**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	14.8	0.500						15.41	3.86	20	

Sample ID: **1909028-002ADUP** SampType: **DUP** Units: **wt%** Prep Date: **9/4/2019** RunNo: **53634**
Client ID: **BATCH** Batch ID: **R53634** Analysis Date: **9/4/2019** SeqNo: **1062265**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	9.71	0.500						9.198	5.36	20	

Sample Log-In Check List

Client Name:	**PES**	Work Order Number:	**1909013**
Logged by:	**Brianna Barnes**	Date Received:	**9/3/2019 4:56:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Required ☑
6.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
7.	Were all items received at a temperature of >0°C to 10.0°C *	Yes ☐	No ☑	NA ☐
		Refer to item information.		
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Cooler	7.6
Sample	13.4

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 9/3/19 | Page: 1 of: 1 | Laboratory Project No (internal): 1909013

Special Remarks: SELECT LIST VOC's: PCE, TCE, CIS-1,2 DCE, VC

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Client: PES ENVIRONMENTAL, INC.
Address: 1215 4th Ave, Ste. 1350
City, State, Zip: Seattle, WA 98115
Telephone: 206 529 3980
Fax: 206 529 3985

Project Name: AMERICAN LINEN
Project No: 1413.001.05.310
Collected by: K. Zysas / R. McLaughlin
Location: Seattle, WA
Report To (PM): B. O'Neal
PM Email: BONEAL@PESENV.COM

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) / Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	CA-C7-35	9/3/19	1600	S	X													
2	CA-D5-14		1120	S	X													
3	CA-D5-22		1125	S	X													
4	CA-D5-26		1130	S	X													
5																		
6																		
7																		
8																		
9																		
10																		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished	Date/Time	Received	Date/Time
x [signature]	9/3/19 1430	x [signature]	9/3/19 1635
x [signature]	9/3/19 1656	x [signature]	9/3/17 1656

Turn-around Time:
- ☐ Standard
- ☐ 3 Day
- ☒ 2 Day (HC) ~~24 Hr.~~
- ☒ ~~Next Day~~ (HC)
- Same Day _____ (specify)

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 9/3/19 Page: 1 of: 1

Laboratory Project No (internal): 1909013

Project Name: AMERICAN LINEN

Special Remarks: SELECT LIST VOC's: PCE, TCE, CIS-1,2 DCE, VC

Project No: 1413.001.05.310

Client: PES ENVIRONMENTAL, INC.

Collected by: K. Zygas / R. McLaughlin

Address: 1215 4th Ave, Ste. 1350

Location: Seattle, WA

City, State, Zip: Seattle, WA 98115

Report To (PM): B. O'Neal

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Telephone: 206 529 3980

PM Email: BONEAL@PESENV.COM

Fax: 206 529 3985

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	~~CA-C7-35~~ BM 9/6/19	9/3/19	1600	S	X												
2	CA-D5-14		1120	S	X												
3	CA-D5-22		1125	S	X												
4	CA-D5-26	↓	1130	S	X												
5																	
6																	
7																	
8																	
9																	
10																	

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

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Relinquished x [signature]	Date/Time 9/3/19 1430	Received x [signature]	Date/Time 9/3/19 1635
Relinquished x [signature]	Date/Time 9/3/19 1656	Received x [signature]	Date/Time 9/3/19 1656

Turn-around Time:
- ☐ Standard
- ☐ 3 Day
- ☒ 2 Day HC 24 Hr.
- ☒ ~~Next Day~~
- Same Day _____ (specify)

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Brian O'Neal
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: American Linen
Work Order Number: 1909028

September 06, 2019

Attention Brian O'Neal:

Fremont Analytical, Inc. received 2 sample(s) on 9/4/2019 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:
Dan Balbiani
Karsten Springstead
Kim Vik

Date: *09/06/2019*

CLIENT: PES Environmental, Inc.
Project: American Linen
Work Order: 1909028

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1909028-001	CA-C9-09	09/04/2019 2:45 PM	09/04/2019 3:26 PM
1909028-002	CA-A10-21	09/04/2019 1:20 PM	09/04/2019 3:26 PM

Case Narrative

WO#: **1909028**
Date: **9/6/2019**

CLIENT: PES Environmental, Inc.
Project: American Linen

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

CLIENT: PES Environmental, Inc.
Project: American Linen

Lab ID: 1909028-001 **Collection Date:** 9/4/2019 2:45:00 PM
Client Sample ID: **CA-C9-09** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25718		Analyst: KT
Vinyl chloride	ND	0.221	D	mg/Kg-dry	10	9/5/2019 5:44:03 PM
cis-1,2-Dichloroethene	0.785	0.177	D	mg/Kg-dry	10	9/5/2019 5:44:03 PM
Trichloroethene (TCE)	ND	0.177	D	mg/Kg-dry	10	9/5/2019 5:44:03 PM
Tetrachloroethene (PCE)	15.0	0.221	D	mg/Kg-dry	10	9/5/2019 5:44:03 PM
Surr: Dibromofluoromethane	97.8	56.5 - 129	D	%Rec	10	9/5/2019 5:44:03 PM
Surr: Toluene-d8	99.3	64.5 - 151	D	%Rec	10	9/5/2019 5:44:03 PM
Surr: 1-Bromo-4-fluorobenzene	100	54.8 - 168	D	%Rec	10	9/5/2019 5:44:03 PM
Sample Moisture (Percent Moisture)				Batch ID: R53634		Analyst: SBM
Percent Moisture	11.1	0.500		wt%	1	9/4/2019 5:10:45 PM

Lab ID: 1909028-002 **Collection Date:** 9/4/2019 1:20:00 PM
Client Sample ID: **CA-A10-21** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25718		Analyst: KT
Vinyl chloride	ND	0.239	D	mg/Kg-dry	10	9/5/2019 6:44:20 PM
cis-1,2-Dichloroethene	0.767	0.191	D	mg/Kg-dry	10	9/5/2019 6:44:20 PM
Trichloroethene (TCE)	0.427	0.191	D	mg/Kg-dry	10	9/5/2019 6:44:20 PM
Tetrachloroethene (PCE)	4.68	0.239	D	mg/Kg-dry	10	9/5/2019 6:44:20 PM
Surr: Dibromofluoromethane	100	56.5 - 129	D	%Rec	10	9/5/2019 6:44:20 PM
Surr: Toluene-d8	99.6	64.5 - 151	D	%Rec	10	9/5/2019 6:44:20 PM
Surr: 1-Bromo-4-fluorobenzene	103	54.8 - 168	D	%Rec	10	9/5/2019 6:44:20 PM
Sample Moisture (Percent Moisture)				Batch ID: R53634		Analyst: SBM
Percent Moisture	9.20	0.500		wt%	1	9/4/2019 5:10:45 PM

Work Order: 1909028
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-25718** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/5/2019** RunNo: **53702**
Client ID: **LCSS** Batch ID: **25718** Analysis Date: **9/5/2019** SeqNo: **1062964**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.913	0.0250	1.000	0	91.3	43.4	151				
cis-1,2-Dichloroethene	0.966	0.0200	1.000	0	96.6	71.3	135				
Trichloroethene (TCE)	0.951	0.0200	1.000	0	95.1	65.5	137				
Tetrachloroethene (PCE)	0.973	0.0250	1.000	0	97.3	52.7	150				
Surr: Dibromofluoromethane	1.27		1.250		101	56.5	129				
Surr: Toluene-d8	1.25		1.250		100	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.26		1.250		101	54.8	168				

Sample ID: **MB-25718** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/5/2019** RunNo: **53702**
Client ID: **MBLKS** Batch ID: **25718** Analysis Date: **9/5/2019** SeqNo: **1062965**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
cis-1,2-Dichloroethene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0250									
Surr: Dibromofluoromethane	1.24		1.250		99.4	56.5	129				
Surr: Toluene-d8	1.24		1.250		99.4	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.24		1.250		99.3	54.8	168				

Sample ID: **1909028-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/5/2019** RunNo: **53702**
Client ID: **CA-C9-09** Batch ID: **25718** Analysis Date: **9/5/2019** SeqNo: **1062954**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.221						0	0	30	D
cis-1,2-Dichloroethene	0.843	0.177						0.7851	7.11	30	D
Trichloroethene (TCE)	ND	0.177						0	0	30	D
Tetrachloroethene (PCE)	15.9	0.221						14.96	6.27	30	D
Surr: Dibromofluoromethane	10.8		11.06		97.9	56.5	129		0		D
Surr: Toluene-d8	11.0		11.06		99.1	64.5	151		0		D

Work Order: 1909028
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **1909028-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/5/2019** RunNo: **53702**
Client ID: **CA-C9-09** Batch ID: **25718** Analysis Date: **9/5/2019** SeqNo: **1062954**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1-Bromo-4-fluorobenzene	10.9		11.06		98.2	54.8	168		0		D

Sample ID: **1909028-002BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/5/2019** RunNo: **53702**
Client ID: **CA-A10-21** Batch ID: **25718** Analysis Date: **9/5/2019** SeqNo: **1062960**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	9.73	0.239	9.559	0	102	43.6	150				D
cis-1,2-Dichloroethene	10.5	0.191	9.559	0.7673	102	58.6	136				D
Trichloroethene (TCE)	10.2	0.191	9.559	0.4270	102	61.6	147				D
Tetrachloroethene (PCE)	14.7	0.239	9.559	4.681	105	35.6	158				D
Surr: Dibromofluoromethane	12.1		11.95		102	56.5	129				D
Surr: Toluene-d8	12.0		11.95		101	64.5	151				D
Surr: 1-Bromo-4-fluorobenzene	12.1		11.95		101	54.8	168				D

Sample ID: **1909028-002BMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **9/5/2019** RunNo: **53702**
Client ID: **CA-A10-21** Batch ID: **25718** Analysis Date: **9/5/2019** SeqNo: **1062961**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	9.71	0.239	9.559	0	102	43.6	150	9.727	0.196	30	D
cis-1,2-Dichloroethene	10.7	0.191	9.559	0.7673	104	58.6	136	10.47	2.27	30	D
Trichloroethene (TCE)	10.5	0.191	9.559	0.4270	105	61.6	147	10.20	2.68	30	D
Tetrachloroethene (PCE)	14.9	0.239	9.559	4.681	106	35.6	158	14.74	0.735	30	D
Surr: Dibromofluoromethane	12.2		11.95		102	56.5	129		0		D
Surr: Toluene-d8	12.0		11.95		101	64.5	151		0		D
Surr: 1-Bromo-4-fluorobenzene	12.0		11.95		100	54.8	168		0		D

Work Order: 1909028
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Sample Moisture (Percent Moisture)

Sample ID: **1909027-008ADUP** SampType: **DUP** Units: **wt%** Prep Date: **9/4/2019** RunNo: **53634**
Client ID: **BATCH** Batch ID: **R53634** Analysis Date: **9/4/2019** SeqNo: **1062239**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	14.8	0.500						15.41	3.86	20	

Sample ID: **1909028-002ADUP** SampType: **DUP** Units: **wt%** Prep Date: **9/4/2019** RunNo: **53634**
Client ID: **CA-A10-21** Batch ID: **R53634** Analysis Date: **9/4/2019** SeqNo: **1062265**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	9.71	0.500						9.198	5.36	20	

Sample Log-In Check List

Client Name:	**PES**	Work Order Number:	**1909028**
Logged by:	**Clare Griggs**	Date Received:	**9/4/2019 3:26:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Required ☑
6.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
7.	Were all items received at a temperature of >0°C to 10.0°C *	Yes ☐	No ☑	NA ☐
	Samples received straight from field.			
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Cooler	9.1
Sample	16.5
Temp Blank	6.0

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 9/4/19 Page: 1 of: 1

Laboratory Project No (internal): 1909028

Project Name: American Chem

Special Remarks: SELECT LIST: PCE, TCE, CIS-1,2 DCE, VC

Project No: 1413.001.05.310

Client: PES ENVIRO.

Collected by: K. ZYGAS

Address: 1215 4th Ave, Ste. 1350

Location: Seattle, WA

City, State, Zip: Seattle, WA 98161

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Report To (PM): B. O'NEAL

Telephone: 206 529-3980

PM Email: BONEAL@PESENV.COM

Fax: 206 529-3585

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
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2	CA-A10-21	↓	1320		X													
3																		
4																		
5																		
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9																		
10																		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

	Relinquished	Date/Time	Received	Date/Time
x	[signature]	9/4/19 1500	x Hank Cohn	9/4/19 1500
x	Hank Cohn	9/4/19 1526	x [signature]	9/4/19 1526

Turn-around Time:

- ☐ Standard
- ☐ 3 Day
- ☒ 2 Day
- ☐ Next Day
- Same Day ____ (specify)

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Brian O'Neal
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: American Linen
Work Order Number: 1909030

September 06, 2019

Attention Brian O'Neal:

Fremont Analytical, Inc. received 2 sample(s) on 9/4/2019 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:
Dan Balbiani
Karsten Springstead
Kim Vik

Date: *09/06/2019*

CLIENT: PES Environmental, Inc.
Project: American Linen
Work Order: 1909030

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1909030-001	CA-D6-56	09/04/2019 3:18 PM	09/04/2019 4:50 PM
1909030-002	CA-D6-65	09/04/2019 4:00 PM	09/04/2019 4:50 PM

Case Narrative

WO#: **1909030**
Date: **9/6/2019**

CLIENT: PES Environmental, Inc.
Project: American Linen

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

CLIENT: PES Environmental, Inc.
Project: American Linen

Lab ID: 1909030-001 **Collection Date:** 9/4/2019 3:18:00 PM
Client Sample ID: **CA-D6-56** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25718		Analyst: KT
Vinyl chloride	ND	0.303	D	mg/Kg-dry	10	9/5/2019 7:14:32 PM
cis-1,2-Dichloroethene	0.120	0.242	DJ	mg/Kg-dry	10	9/5/2019 7:14:32 PM
Trichloroethene (TCE)	0.173	0.242	DJ	mg/Kg-dry	10	9/5/2019 7:14:32 PM
Tetrachloroethene (PCE)	22.3	0.303	D	mg/Kg-dry	10	9/5/2019 7:14:32 PM
Surr: Dibromofluoromethane	99.0	56.5 - 129	D	%Rec	10	9/5/2019 7:14:32 PM
Surr: Toluene-d8	99.5	64.5 - 151	D	%Rec	10	9/5/2019 7:14:32 PM
Surr: 1-Bromo-4-fluorobenzene	100	54.8 - 168	D	%Rec	10	9/5/2019 7:14:32 PM
Sample Moisture (Percent Moisture)				Batch ID: R53665		Analyst: CJ
Percent Moisture	8.87	0.500		wt%	1	9/5/2019 8:30:35 AM

Lab ID: 1909030-002 **Collection Date:** 9/4/2019 4:00:00 PM
Client Sample ID: **CA-D6-65** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25718		Analyst: KT
Vinyl chloride	ND	0.312	D	mg/Kg-dry	10	9/5/2019 7:44:42 PM
cis-1,2-Dichloroethene	1.62	0.250	D	mg/Kg-dry	10	9/5/2019 7:44:42 PM
Trichloroethene (TCE)	1.32	0.250	D	mg/Kg-dry	10	9/5/2019 7:44:42 PM
Tetrachloroethene (PCE)	13.2	0.312	D	mg/Kg-dry	10	9/5/2019 7:44:42 PM
Surr: Dibromofluoromethane	98.2	56.5 - 129	D	%Rec	10	9/5/2019 7:44:42 PM
Surr: Toluene-d8	99.3	64.5 - 151	D	%Rec	10	9/5/2019 7:44:42 PM
Surr: 1-Bromo-4-fluorobenzene	99.6	54.8 - 168	D	%Rec	10	9/5/2019 7:44:42 PM
Sample Moisture (Percent Moisture)				Batch ID: R53665		Analyst: CJ
Percent Moisture	19.5	0.500		wt%	1	9/5/2019 8:30:35 AM

Work Order: 1909030
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-25718** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/5/2019** RunNo: **53702**
Client ID: **LCSS** Batch ID: **25718** Analysis Date: **9/5/2019** SeqNo: **1062964**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.913	0.0250	1.000	0	91.3	43.4	151				
cis-1,2-Dichloroethene	0.966	0.0200	1.000	0	96.6	71.3	135				
Trichloroethene (TCE)	0.951	0.0200	1.000	0	95.1	65.5	137				
Tetrachloroethene (PCE)	0.973	0.0250	1.000	0	97.3	52.7	150				
Surr: Dibromofluoromethane	1.27		1.250		101	56.5	129				
Surr: Toluene-d8	1.25		1.250		100	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.26		1.250		101	54.8	168				

Sample ID: **MB-25718** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/5/2019** RunNo: **53702**
Client ID: **MBLKS** Batch ID: **25718** Analysis Date: **9/5/2019** SeqNo: **1062965**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
cis-1,2-Dichloroethene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0250									
Surr: Dibromofluoromethane	1.24		1.250		99.4	56.5	129				
Surr: Toluene-d8	1.24		1.250		99.4	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.24		1.250		99.3	54.8	168				

Sample ID: **1909028-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/5/2019** RunNo: **53702**
Client ID: **BATCH** Batch ID: **25718** Analysis Date: **9/5/2019** SeqNo: **1062954**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.221						0	0	30	D
cis-1,2-Dichloroethene	0.843	0.177						0.7851	7.11	30	D
Trichloroethene (TCE)	ND	0.177						0	0	30	D
Tetrachloroethene (PCE)	15.9	0.221						14.96	6.27	30	D
Surr: Dibromofluoromethane	10.8		11.06		97.9	56.5	129		0		D
Surr: Toluene-d8	11.0		11.06		99.1	64.5	151		0		D

Work Order: 1909030
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **1909028-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/5/2019** RunNo: **53702**
Client ID: **BATCH** Batch ID: **25718** Analysis Date: **9/5/2019** SeqNo: **1062954**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1-Bromo-4-fluorobenzene	10.9		11.06		98.2	54.8	168		0		D

Sample ID: **1909028-002BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/5/2019** RunNo: **53702**
Client ID: **BATCH** Batch ID: **25718** Analysis Date: **9/5/2019** SeqNo: **1062960**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	9.73	0.239	9.559	0	102	43.6	150				D
cis-1,2-Dichloroethene	10.5	0.191	9.559	0.7673	102	58.6	136				D
Trichloroethene (TCE)	10.2	0.191	9.559	0.4270	102	61.6	147				D
Tetrachloroethene (PCE)	14.7	0.239	9.559	4.681	105	35.6	158				D
Surr: Dibromofluoromethane	12.1		11.95		102	56.5	129				D
Surr: Toluene-d8	12.0		11.95		101	64.5	151				D
Surr: 1-Bromo-4-fluorobenzene	12.1		11.95		101	54.8	168				D

Sample ID: **1909028-002BMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **9/5/2019** RunNo: **53702**
Client ID: **BATCH** Batch ID: **25718** Analysis Date: **9/5/2019** SeqNo: **1062961**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	9.71	0.239	9.559	0	102	43.6	150	9.727	0.196	30	D
cis-1,2-Dichloroethene	10.7	0.191	9.559	0.7673	104	58.6	136	10.47	2.27	30	D
Trichloroethene (TCE)	10.5	0.191	9.559	0.4270	105	61.6	147	10.20	2.68	30	D
Tetrachloroethene (PCE)	14.9	0.239	9.559	4.681	106	35.6	158	14.74	0.735	30	D
Surr: Dibromofluoromethane	12.2		11.95		102	56.5	129		0		D
Surr: Toluene-d8	12.0		11.95		101	64.5	151		0		D
Surr: 1-Bromo-4-fluorobenzene	12.0		11.95		100	54.8	168		0		D

Work Order: 1909030
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Sample Moisture (Percent Moisture)

Sample ID: **1909029-003ADUP** SampType: **DUP** Units: **wt%** Prep Date: **9/5/2019** RunNo: **53665**
Client ID: **BATCH** Batch ID: **R53665** Analysis Date: **9/5/2019** SeqNo: **1062362**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	16.1	0.500						13.38	18.2	20	

Sample ID: **1909031-010ADUP** SampType: **DUP** Units: **wt%** Prep Date: **9/5/2019** RunNo: **53665**
Client ID: **BATCH** Batch ID: **R53665** Analysis Date: **9/5/2019** SeqNo: **1062375**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	16.3	0.500						14.43	11.9	20	

Sample Log-In Check List

Client Name:	**PES**	Work Order Number:	**1909030**
Logged by:	**Clare Griggs**	Date Received:	**9/4/2019 4:50:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐	
2.	How was the sample delivered?	Client			

Log In

3.	Coolers are present?	Yes ☐	No ☑	NA ☐	
	Samples received straight from field.				
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐		
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Required ☑	
6.	Was an attempt made to cool the samples?	Yes ☐	No ☐	NA ☑	
7.	Were all items received at a temperature of >0°C to 10.0°C *	Yes ☐	No ☐	NA ☑	
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐		
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐		
10.	Are samples properly preserved?	Yes ☑	No ☐		
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐	
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑	
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐		
14.	Does paperwork match bottle labels?	Yes ☑	No ☐		
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐		
16.	Is it clear what analyses were requested?	Yes ☑	No ☐		
17.	Were all holding times able to be met?	Yes ☑	No ☐		

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑	

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample	26.3

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 9-4-19 Page: 1 of: 1

Laboratory Project No (internal): 1909030

Project Name: AMERICAN LINEN

Special Remarks: SELECT LIST: PCE, TCE, CIS-1,2 DCE V.C.

Project No: 1413.001.05. ~~402~~ 310

Collected by: R MCLAUGHLIN/J. DePriest

Client: PES ENVIRONMENTAL

Address: 1215 4th AVE STE 1350

City, State, Zip: SEATTLE WA 98161

Location: SEATTLE WA

Telephone: 206 529 3980

Report To (PM): B ONEAL

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax: 206 529 3985

PM Email: BONEAL@PESENV.COM

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	CA-D6-56	9/4/19	1518	S	X													
2	CA-D6-65	"	1600	S	X													
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished	Date/Time	Received	Date/Time
x [signature]	9/4/19 1650	x [signature]	9/4/19 @ 1650
Relinquished x	Date/Time	Received x	Date/Time

Turn-around Time:
- ☐ Standard
- ☐ 3 Day
- ☑ 2 Day
- ☐ Next Day
- Same Day _____ (specify)

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Brian O'Neal
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: American Linen
Work Order Number: 1909052

September 09, 2019

Attention Brian O'Neal:

Fremont Analytical, Inc. received 2 sample(s) on 9/5/2019 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:
Karsten Springstead
Kim Vik
Dan Balbiani

Date: *09/09/2019*

CLIENT: PES Environmental, Inc.
Project: American Linen
Work Order: 1909052

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1909052-001	CA-B11-27	09/05/2019 4:10 PM	09/05/2019 4:58 PM
1909052-002	CA-D7-15	09/05/2019 4:15 PM	09/05/2019 4:58 PM

Case Narrative

WO#: **1909052**
Date: **9/9/2019**

CLIENT: PES Environmental, Inc.
Project: American Linen

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

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D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

CLIENT: PES Environmental, Inc.
Project: American Linen

Lab ID: 1909052-001 **Collection Date:** 9/5/2019 4:10:00 PM
Client Sample ID: **CA-B11-27** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25718		Analyst: KT
Vinyl chloride	ND	0.225	D	mg/Kg-dry	10	9/5/2019 9:15:12 PM
cis-1,2-Dichloroethene	0.439	0.180	D	mg/Kg-dry	10	9/5/2019 9:15:12 PM
Trichloroethene (TCE)	0.270	0.180	D	mg/Kg-dry	10	9/5/2019 9:15:12 PM
Tetrachloroethene (PCE)	191	4.50	D	mg/Kg-dry	200	9/6/2019 6:06:22 PM
Surr: Dibromofluoromethane	100	56.5 - 129	D	%Rec	10	9/5/2019 9:15:12 PM
Surr: Toluene-d8	100	64.5 - 151	D	%Rec	10	9/5/2019 9:15:12 PM
Surr: 1-Bromo-4-fluorobenzene	103	54.8 - 168	D	%Rec	10	9/5/2019 9:15:12 PM
Sample Moisture (Percent Moisture)				Batch ID: R53690		Analyst: SBM
Percent Moisture	9.01	0.500		wt%	1	9/5/2019 4:36:12 PM

Lab ID: 1909052-002 **Collection Date:** 9/5/2019 4:15:00 PM
Client Sample ID: **CA-D7-15** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25718		Analyst: KT
Vinyl chloride	ND	0.202	D	mg/Kg-dry	10	9/5/2019 9:45:21 PM
cis-1,2-Dichloroethene	0.270	0.162	D	mg/Kg-dry	10	9/5/2019 9:45:21 PM
Trichloroethene (TCE)	0.744	0.162	D	mg/Kg-dry	10	9/5/2019 9:45:21 PM
Tetrachloroethene (PCE)	64.1	2.02	D	mg/Kg-dry	100	9/6/2019 6:36:28 PM
Surr: Dibromofluoromethane	102	56.5 - 129	D	%Rec	10	9/5/2019 9:45:21 PM
Surr: Toluene-d8	100	64.5 - 151	D	%Rec	10	9/5/2019 9:45:21 PM
Surr: 1-Bromo-4-fluorobenzene	103	54.8 - 168	D	%Rec	10	9/5/2019 9:45:21 PM
Sample Moisture (Percent Moisture)				Batch ID: R53690		Analyst: SBM
Percent Moisture	6.27	0.500		wt%	1	9/5/2019 4:36:12 PM

Work Order: 1909052
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-25718** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/5/2019** RunNo: **53702**
Client ID: **LCSS** Batch ID: **25718** Analysis Date: **9/5/2019** SeqNo: **1062964**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.913	0.0250	1.000	0	91.3	43.4	151				
cis-1,2-Dichloroethene	0.966	0.0200	1.000	0	96.6	71.3	135				
Trichloroethene (TCE)	0.951	0.0200	1.000	0	95.1	65.5	137				
Tetrachloroethene (PCE)	0.973	0.0250	1.000	0	97.3	52.7	150				
Surr: Dibromofluoromethane	1.27		1.250		101	56.5	129				
Surr: Toluene-d8	1.25		1.250		100	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.26		1.250		101	54.8	168				

Sample ID: **MB-25718** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/5/2019** RunNo: **53702**
Client ID: **MBLKS** Batch ID: **25718** Analysis Date: **9/5/2019** SeqNo: **1062965**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
cis-1,2-Dichloroethene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0250									
Surr: Dibromofluoromethane	1.24		1.250		99.4	56.5	129				
Surr: Toluene-d8	1.24		1.250		99.4	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.24		1.250		99.3	54.8	168				

Sample ID: **1909028-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/5/2019** RunNo: **53702**
Client ID: **BATCH** Batch ID: **25718** Analysis Date: **9/5/2019** SeqNo: **1062954**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.221						0	0	30	D
cis-1,2-Dichloroethene	0.843	0.177						0.7851	7.11	30	D
Trichloroethene (TCE)	ND	0.177						0	0	30	D
Tetrachloroethene (PCE)	15.9	0.221						14.96	6.27	30	D
Surr: Dibromofluoromethane	10.8		11.06		97.9	56.5	129		0		D
Surr: Toluene-d8	11.0		11.06		99.1	64.5	151		0		D

Work Order: 1909052
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **1909028-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/5/2019** RunNo: **53702**
Client ID: **BATCH** Batch ID: **25718** Analysis Date: **9/5/2019** SeqNo: **1062954**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1-Bromo-4-fluorobenzene	10.9		11.06		98.2	54.8	168		0		D

Sample ID: **1909028-002BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/5/2019** RunNo: **53702**
Client ID: **BATCH** Batch ID: **25718** Analysis Date: **9/5/2019** SeqNo: **1062960**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	9.73	0.239	9.559	0	102	43.6	150				D
cis-1,2-Dichloroethene	10.5	0.191	9.559	0.7673	102	58.6	136				D
Trichloroethene (TCE)	10.2	0.191	9.559	0.4270	102	61.6	147				D
Tetrachloroethene (PCE)	14.7	0.239	9.559	4.681	105	35.6	158				D
Surr: Dibromofluoromethane	12.1		11.95		102	56.5	129				D
Surr: Toluene-d8	12.0		11.95		101	64.5	151				D
Surr: 1-Bromo-4-fluorobenzene	12.1		11.95		101	54.8	168				D

Sample ID: **1909028-002BMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **9/5/2019** RunNo: **53702**
Client ID: **BATCH** Batch ID: **25718** Analysis Date: **9/5/2019** SeqNo: **1062961**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	9.71	0.239	9.559	0	102	43.6	150	9.727	0.196	30	D
cis-1,2-Dichloroethene	10.7	0.191	9.559	0.7673	104	58.6	136	10.47	2.27	30	D
Trichloroethene (TCE)	10.5	0.191	9.559	0.4270	105	61.6	147	10.20	2.68	30	D
Tetrachloroethene (PCE)	14.9	0.239	9.559	4.681	106	35.6	158	14.74	0.735	30	D
Surr: Dibromofluoromethane	12.2		11.95		102	56.5	129		0		D
Surr: Toluene-d8	12.0		11.95		101	64.5	151		0		D
Surr: 1-Bromo-4-fluorobenzene	12.0		11.95		100	54.8	168		0		D

Work Order: 1909052
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Sample Moisture (Percent Moisture)

Sample ID: **1909046-024ADUP** SampType: **DUP** Units: **wt%** Prep Date: **9/5/2019** RunNo: **53690**
Client ID: **BATCH** Batch ID: **R53690** Analysis Date: **9/5/2019** SeqNo: **1062799**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	11.1	0.500						12.15	8.87	20	

Sample ID: **1909032-005ADUP** SampType: **DUP** Units: **wt%** Prep Date: **9/5/2019** RunNo: **53690**
Client ID: **BATCH** Batch ID: **R53690** Analysis Date: **9/5/2019** SeqNo: **1062806**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	18.2	0.500						18.54	1.93	20	

Sample Log-In Check List

Client Name:	**PES**	Work Order Number:	**1909052**
Logged by:	**Clare Griggs**	Date Received:	**9/5/2019 4:58:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐	
2.	How was the sample delivered?	Client			

Log In

3.	Coolers are present?	Yes ☐	No ☑	NA ☐	
	Samples received straight from field.				
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐		
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Required ☑	
6.	Was an attempt made to cool the samples?	Yes ☐	No ☐	NA ☑	
7.	Were all items received at a temperature of >0°C to 10.0°C *	Yes ☐	No ☐	NA ☑	
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐		
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐		
10.	Are samples properly preserved?	Yes ☑	No ☐		
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐	
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑	
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐		
14.	Does paperwork match bottle labels?	Yes ☑	No ☐		
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐		
16.	Is it clear what analyses were requested?	Yes ☑	No ☐		
17.	Were all holding times able to be met?	Yes ☑	No ☐		

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑	

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample	28.1

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 9-5-19 Page: 1 of: 1

Laboratory Project No (internal): 1909052

Project Name: AMERICAN LINEN

Special Remarks: SELECT LIST: TCE, PCE, CIS-1, DCE, V.C.

Client: PES ENVIRONMENTAL

Project No: 1413.001.05.310

Address: 1215 4th AVE STE 1350

Collected by: R. McLAUGHLIN

City, State, Zip: SEATTLE WA 98161

Location: SEATTLE WA

Telephone: 206 529 3980

Report To (PM): B ONEAL

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax: 206 529 3985

PM Email: BONEAL@PESENV.COM

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T)	Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	CA-B11-27	9/5/19	1610	S	X														
2	CA-D7-15	↓	1615	S	↓														
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
- ☐ Standard
- ☐ 3 Day
- ☒ 2 Day
- ☐ Next Day
- Same Day ____ (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished	Date/Time	Received	Date/Time
x [signature]	9/5/19 1658	x [signature]	9/5/19 1658
Relinquished	Date/Time	Received	Date/Time
x		x	

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Brian O'Neal
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: American Linen
Work Order Number: 1909075

September 10, 2019

Attention Brian O'Neal:

Fremont Analytical, Inc. received 3 sample(s) on 9/6/2019 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:
Dan Balbiani
Karsten Springstead
Kim Vik

Date: *09/10/2019*

CLIENT: PES Environmental, Inc.
Project: American Linen
Work Order: 1909075

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1909075-001	CA-C10-17	09/06/2019 11:12 AM	09/06/2019 4:27 PM
1909075-002	CA-C10-26	09/06/2019 11:15 AM	09/06/2019 4:27 PM
1909075-003	CA-A12-20-24	09/06/2019 4:00 PM	09/06/2019 4:27 PM

Case Narrative

WO#: **1909075**
Date: **9/10/2019**

CLIENT: PES Environmental, Inc.
Project: American Linen

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

CLIENT: PES Environmental, Inc.
Project: American Linen

Lab ID: 1909075-001 **Collection Date:** 9/6/2019 11:12:00 AM
Client Sample ID: **CA-C10-17** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25743		Analyst: KT
Vinyl chloride	ND	0.255	D	mg/Kg-dry	10	9/9/2019 2:58:43 PM
cis-1,2-Dichloroethene	0.854	0.204	D	mg/Kg-dry	10	9/9/2019 2:58:43 PM
Trichloroethene (TCE)	2.86	0.204	D	mg/Kg-dry	10	9/9/2019 2:58:43 PM
Tetrachloroethene (PCE)	713	25.5	D	mg/Kg-dry	1000	9/10/2019 9:08:47 AM
Surr: Dibromofluoromethane	105	56.5 - 129	D	%Rec	10	9/9/2019 2:58:43 PM
Surr: Toluene-d8	105	64.5 - 151	D	%Rec	10	9/9/2019 2:58:43 PM
Surr: 1-Bromo-4-fluorobenzene	99.3	54.8 - 168	D	%Rec	10	9/9/2019 2:58:43 PM
Sample Moisture (Percent Moisture)				Batch ID: R53725		Analyst: EAS
Percent Moisture	7.46	0.500		wt%	1	9/9/2019 8:50:47 AM

Lab ID: 1909075-002 **Collection Date:** 9/6/2019 11:15:00 AM
Client Sample ID: **CA-C10-26** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25743		Analyst: KT
Vinyl chloride	ND	0.291	D	mg/Kg-dry	10	9/9/2019 3:58:59 PM
cis-1,2-Dichloroethene	0.298	0.233	D	mg/Kg-dry	10	9/9/2019 3:58:59 PM
Trichloroethene (TCE)	ND	0.233	D	mg/Kg-dry	10	9/9/2019 3:58:59 PM
Tetrachloroethene (PCE)	0.249	0.291	DJ	mg/Kg-dry	10	9/10/2019 8:08:31 AM
Surr: Dibromofluoromethane	103	56.5 - 129	D	%Rec	10	9/9/2019 3:58:59 PM
Surr: Toluene-d8	106	64.5 - 151	D	%Rec	10	9/9/2019 3:58:59 PM
Surr: 1-Bromo-4-fluorobenzene	96.2	54.8 - 168	D	%Rec	10	9/9/2019 3:58:59 PM
Sample Moisture (Percent Moisture)				Batch ID: R53725		Analyst: EAS
Percent Moisture	10.2	0.500		wt%	1	9/9/2019 8:50:47 AM

Analytical Report

Work Order: **1909075**
Date Reported: **9/10/2019**

CLIENT: PES Environmental, Inc.
Project: American Linen

Lab ID: 1909075-003 **Collection Date:** 9/6/2019 4:00:00 PM
Client Sample ID: **CA-A12-20-24** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25743		Analyst: KT
Vinyl chloride	ND	0.224	D	mg/Kg-dry	10	9/9/2019 4:29:06 PM
cis-1,2-Dichloroethene	2.55	0.179	D	mg/Kg-dry	10	9/9/2019 4:29:06 PM
Trichloroethene (TCE)	2.41	0.179	D	mg/Kg-dry	10	9/9/2019 4:29:06 PM
Tetrachloroethene (PCE)	35.0	2.24	D	mg/Kg-dry	100	9/10/2019 8:38:38 AM
Surr: Dibromofluoromethane	102	56.5 - 129	D	%Rec	10	9/9/2019 4:29:06 PM
Surr: Toluene-d8	104	64.5 - 151	D	%Rec	10	9/9/2019 4:29:06 PM
Surr: 1-Bromo-4-fluorobenzene	96.3	54.8 - 168	D	%Rec	10	9/9/2019 4:29:06 PM
Sample Moisture (Percent Moisture)				Batch ID: R53725		Analyst: EAS
Percent Moisture	7.61	0.500		wt%	1	9/9/2019 8:50:47 AM

Work Order: 1909075
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-25743** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/9/2019** RunNo: **53744**
Client ID: **LCSS** Batch ID: **25743** Analysis Date: **9/9/2019** SeqNo: **1063787**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.09	0.0250	1.000	0	109	43.4	151				
cis-1,2-Dichloroethene	1.11	0.0200	1.000	0	111	71.3	135				
Trichloroethene (TCE)	1.09	0.0200	1.000	0	109	65.5	137				
Tetrachloroethene (PCE)	1.08	0.0250	1.000	0	108	52.7	150				
Surr: Dibromofluoromethane	1.34		1.250		107	56.5	129				
Surr: Toluene-d8	1.33		1.250		106	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.27		1.250		101	54.8	168				

Sample ID: **LCSD-25743** SampType: **LCSD** Units: **mg/Kg** Prep Date: **9/9/2019** RunNo: **53744**
Client ID: **LCSS02** Batch ID: **25743** Analysis Date: **9/9/2019** SeqNo: **1063788**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.06	0.0250	1.000	0	106	43.4	151	1.090	2.51	20	
cis-1,2-Dichloroethene	1.11	0.0200	1.000	0	111	71.6	123	1.109	0.220	20	
Trichloroethene (TCE)	1.09	0.0200	1.000	0	109	65.5	137	1.088	0.485	20	
Tetrachloroethene (PCE)	1.07	0.0250	1.000	0	107	52.7	150	1.082	0.707	20	
Surr: Dibromofluoromethane	1.33		1.250		106	56.5	129		0		
Surr: Toluene-d8	1.33		1.250		106	64.5	151		0		
Surr: 1-Bromo-4-fluorobenzene	1.26		1.250		101	54.8	168		0		

Sample ID: **MB-25743** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/9/2019** RunNo: **53744**
Client ID: **MBLKS** Batch ID: **25743** Analysis Date: **9/9/2019** SeqNo: **1063789**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
cis-1,2-Dichloroethene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0250									
Surr: Dibromofluoromethane	1.30		1.250		104	56.5	129				
Surr: Toluene-d8	1.32		1.250		106	64.5	151				

Work Order: 1909075
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **MB-25743** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/9/2019** RunNo: **53744**
Client ID: **MBLKS** Batch ID: **25743** Analysis Date: **9/9/2019** SeqNo: **1063789**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1-Bromo-4-fluorobenzene	1.21		1.250		97.1	54.8	168				

Sample ID: **1909082-008BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/9/2019** RunNo: **53744**
Client ID: **BATCH** Batch ID: **25743** Analysis Date: **9/9/2019** SeqNo: **1063784**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.213						0	0	30	D
cis-1,2-Dichloroethene	ND	0.170						0	0	30	D
Trichloroethene (TCE)	ND	0.170						0	0	30	D
Tetrachloroethene (PCE)	1.14	0.213						1.088	4.83	30	D
Surr: Dibromofluoromethane	11.3		10.65		106	56.5	129		0		D
Surr: Toluene-d8	11.3		10.65		106	64.5	151		0		D
Surr: 1-Bromo-4-fluorobenzene	10.4		10.65		98.0	54.8	168		0		D

Sample ID: **1909075-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/9/2019** RunNo: **53744**
Client ID: **CA-C10-17** Batch ID: **25743** Analysis Date: **9/9/2019** SeqNo: **1064388**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.255						0	0	30	D
cis-1,2-Dichloroethene	0.945	0.204						0.8544	10.1	30	D
Trichloroethene (TCE)	3.03	0.204						2.862	5.60	30	D
Tetrachloroethene (PCE)	455	0.255						456.1	0.157	30	DE
Surr: Dibromofluoromethane	13.3		12.74		104	56.5	129		0		D
Surr: Toluene-d8	13.3		12.74		104	64.5	151		0		D
Surr: 1-Bromo-4-fluorobenzene	12.6		12.74		99.2	54.8	168		0		D

NOTES:
E - Estimated value. The amount exceeds the linear working range of the instrument.

Work Order: 1909075
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **1909075-002BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/9/2019** RunNo: **53744**
Client ID: **CA-C10-26** Batch ID: **25743** Analysis Date: **9/9/2019** SeqNo: **1064390**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	13.2	0.291	11.63	0	114	43.6	150				D
cis-1,2-Dichloroethene	14.7	0.233	11.63	0.2983	124	58.6	136				D
Trichloroethene (TCE)	14.3	0.233	11.63	0	123	61.6	147				D
Tetrachloroethene (PCE)	14.9	0.291	11.63	1.657	114	35.6	158				D
Surr: Dibromofluoromethane	15.5		14.54		107	56.5	129				D
Surr: Toluene-d8	15.6		14.54		107	64.5	151				D
Surr: 1-Bromo-4-fluorobenzene	14.4		14.54		99.3	54.8	168				D

Sample ID: **1909075-002BMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **9/9/2019** RunNo: **53744**
Client ID: **CA-C10-26** Batch ID: **25743** Analysis Date: **9/9/2019** SeqNo: **1064391**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	13.2	0.291	11.63	0	113	43.6	150	13.24	0.596	30	D
cis-1,2-Dichloroethene	15.0	0.233	11.63	0.2983	126	58.6	136	14.71	1.68	30	D
Trichloroethene (TCE)	14.6	0.233	11.63	0	126	61.6	147	14.34	1.79	30	D
Tetrachloroethene (PCE)	14.7	0.291	11.63	1.657	112	35.6	158	14.92	1.60	30	D
Surr: Dibromofluoromethane	15.2		14.54		104	56.5	129		0		D
Surr: Toluene-d8	15.2		14.54		105	64.5	151		0		D
Surr: 1-Bromo-4-fluorobenzene	14.3		14.54		98.3	54.8	168		0		D

Work Order: 1909075
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Sample Moisture (Percent Moisture)

Sample ID: **1909082-001ADUP** SampType: **DUP** Units: **wt%** Prep Date: **9/9/2019** RunNo: **53725**
Client ID: **BATCH** Batch ID: **R53725** Analysis Date: **9/9/2019** SeqNo: **1063368**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	14.8	0.500						15.59	5.12	20	

Sample ID: **1909065-001ADUP** SampType: **DUP** Units: **wt%** Prep Date: **9/9/2019** RunNo: **53725**
Client ID: **BATCH** Batch ID: **R53725** Analysis Date: **9/9/2019** SeqNo: **1063377**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	25.5	0.500						24.90	2.53	20	

Sample Log-In Check List

Client Name:	**PES**	Work Order Number:	**1909075**
Logged by:	**Clare Griggs**	Date Received:	**9/6/2019 4:27:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Required ☑
6.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
7.	Were all items received at a temperature of >0°C to 10.0°C *	Yes ☐	No ☑	NA ☐
		Refer to item information.		
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Cooler	1.9
Sample	24.1

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 9/6/19 Page: 1 of: 1

Laboratory Project No (internal): 1909075

Project Name: AMERICAN LINEN

Special Remarks: SELECT LIST VOC's: PCE, TCE, CIS-1,2DCE, VC

Project No: 1413.001.05.310

Client: PES ENVIRONMENTAL, INC.

Collected by: K. ZYGAS/H. COHEN

Address: 1215 4th AVE, STE 1350

Location: Seattle, WA

City, State, Zip: SEATTLE, WA 98161

Report To (PM): B. O'Neal

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Telephone: 206 529 3980

Fax: 206 529 3985

PM Email:

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	CA-C10-17	9/6/19	1112	S	X													
2	CA-C10-26	↓	1115	↓	X													
3	CA-A12-20-24	9/6/19	1600	S	X													
4																		
5																		
6																		
7																		
8																		
9																		
10																		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished	Date/Time	Received	Date/Time
x Hank Cohen	9/6/19 1627	x	9/6/19 1627
Relinquished	Date/Time	Received	Date/Time
x		x	

Turn-around Time:

- ☐ Standard
- ☐ 3 Day
- ☒ 2 Day
- ☐ Next Day
- Same Day _____ (specify)

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Brian O'Neal
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: American Linen
Work Order Number: 1909162

September 13, 2019

Attention Brian O'Neal:

Fremont Analytical, Inc. received 2 sample(s) on 9/11/2019 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:
Dan Balbiani
Karsten Springstead
Kim Vik

Date: *09/13/2019*

CLIENT: PES Environmental, Inc.
Project: American Linen
Work Order: 1909162

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1909162-001	CA-D1-Comp	09/11/2019 9:45 AM	09/11/2019 2:46 PM
1909162-002	CA-C13-Comp	09/11/2019 9:55 AM	09/11/2019 2:46 PM

Case Narrative

WO#: **1909162**
Date: **9/13/2019**

CLIENT: PES Environmental, Inc.
Project: American Linen

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

CLIENT: PES Environmental, Inc.
Project: American Linen

Lab ID: 1909162-001 **Collection Date:** 9/11/2019 9:45:00 AM
Client Sample ID: **CA-D1-Comp** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25785		Analyst: KT
Vinyl chloride	ND	0.260	D	mg/Kg-dry	10	9/12/2019 3:44:06 PM
cis-1,2-Dichloroethene	ND	0.208	D	mg/Kg-dry	10	9/12/2019 3:44:06 PM
Trichloroethene (TCE)	ND	0.208	D	mg/Kg-dry	10	9/12/2019 3:44:06 PM
Tetrachloroethene (PCE)	ND	0.260	D	mg/Kg-dry	10	9/12/2019 3:44:06 PM
Surr: Dibromofluoromethane	106	56.5 - 129	D	%Rec	10	9/12/2019 3:44:06 PM
Surr: Toluene-d8	106	64.5 - 151	D	%Rec	10	9/12/2019 3:44:06 PM
Surr: 1-Bromo-4-fluorobenzene	97.5	54.8 - 168	D	%Rec	10	9/12/2019 3:44:06 PM
Sample Moisture (Percent Moisture)				Batch ID: R53831		Analyst: ML
Percent Moisture	7.91	0.500		wt%	1	9/12/2019 9:36:49 AM

Lab ID: 1909162-002 **Collection Date:** 9/11/2019 9:55:00 AM
Client Sample ID: **CA-C13-Comp** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25785		Analyst: KT
Vinyl chloride	ND	0.290	D	mg/Kg-dry	10	9/12/2019 4:44:25 PM
cis-1,2-Dichloroethene	ND	0.232	D	mg/Kg-dry	10	9/12/2019 4:44:25 PM
Trichloroethene (TCE)	ND	0.232	D	mg/Kg-dry	10	9/12/2019 4:44:25 PM
Tetrachloroethene (PCE)	ND	0.290	D	mg/Kg-dry	10	9/12/2019 4:44:25 PM
Surr: Dibromofluoromethane	105	56.5 - 129	D	%Rec	10	9/12/2019 4:44:25 PM
Surr: Toluene-d8	105	64.5 - 151	D	%Rec	10	9/12/2019 4:44:25 PM
Surr: 1-Bromo-4-fluorobenzene	97.5	54.8 - 168	D	%Rec	10	9/12/2019 4:44:25 PM
Sample Moisture (Percent Moisture)				Batch ID: R53831		Analyst: ML
Percent Moisture	7.23	0.500		wt%	1	9/12/2019 9:36:49 AM

Work Order: 1909162
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-25785** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/12/2019** RunNo: **53862**
Client ID: **LCSS** Batch ID: **25785** Analysis Date: **9/12/2019** SeqNo: **1066215**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.05	0.0250	1.000	0	105	43.4	151				
cis-1,2-Dichloroethene	1.07	0.0200	1.000	0	107	71.3	135				
Trichloroethene (TCE)	1.06	0.0200	1.000	0	106	65.5	137				
Tetrachloroethene (PCE)	1.04	0.0250	1.000	0	104	52.7	150				
Surr: Dibromofluoromethane	1.34		1.250		107	56.5	129				
Surr: Toluene-d8	1.32		1.250		106	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.26		1.250		100	54.8	168				

Sample ID: **LCSD-25785** SampType: **LCSD** Units: **mg/Kg** Prep Date: **9/12/2019** RunNo: **53862**
Client ID: **LCSS02** Batch ID: **25785** Analysis Date: **9/12/2019** SeqNo: **1066216**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.06	0.0250	1.000	0	106	43.4	151	1.049	1.52	20	
cis-1,2-Dichloroethene	1.06	0.0200	1.000	0	106	71.6	123	1.074	1.22	20	
Trichloroethene (TCE)	1.07	0.0200	1.000	0	107	65.5	137	1.063	0.272	20	
Tetrachloroethene (PCE)	1.05	0.0250	1.000	0	105	52.7	150	1.044	0.357	20	
Surr: Dibromofluoromethane	1.32		1.250		106	56.5	129		0		
Surr: Toluene-d8	1.31		1.250		104	64.5	151		0		
Surr: 1-Bromo-4-fluorobenzene	1.25		1.250		100	54.8	168		0		

Sample ID: **MB-25785** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/12/2019** RunNo: **53862**
Client ID: **MBLKS** Batch ID: **25785** Analysis Date: **9/12/2019** SeqNo: **1066217**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
cis-1,2-Dichloroethene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0250									
Surr: Dibromofluoromethane	1.31		1.250		104	56.5	129				
Surr: Toluene-d8	1.31		1.250		105	64.5	151				

Work Order: 1909162
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **MB-25785** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/12/2019** RunNo: **53862**
Client ID: **MBLKS** Batch ID: **25785** Analysis Date: **9/12/2019** SeqNo: **1066217**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1-Bromo-4-fluorobenzene	1.24		1.250		98.8	54.8	168				

Sample ID: **1909156-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/12/2019** RunNo: **53862**
Client ID: **BATCH** Batch ID: **25785** Analysis Date: **9/12/2019** SeqNo: **1066208**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0310						0	0	30	
cis-1,2-Dichloroethene	ND	0.0248						0	0	30	
Trichloroethene (TCE)	ND	0.0248						0	0	30	
Tetrachloroethene (PCE)	ND	0.0310						0	0	30	
Surr: Dibromofluoromethane	1.60		1.552		103	56.5	129		0		
Surr: Toluene-d8	1.62		1.552		105	64.5	151		0		
Surr: 1-Bromo-4-fluorobenzene	1.53		1.552		98.4	54.8	168		0		

Sample ID: **1909162-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/12/2019** RunNo: **53862**
Client ID: **CA-D1-Comp** Batch ID: **25785** Analysis Date: **9/12/2019** SeqNo: **1066632**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.260						0	0	30	D
cis-1,2-Dichloroethene	ND	0.208						0	0	30	D
Trichloroethene (TCE)	ND	0.208						0	0	30	D
Tetrachloroethene (PCE)	ND	0.260						0	0	30	D
Surr: Dibromofluoromethane	13.7		12.99		106	56.5	129		0		D
Surr: Toluene-d8	13.6		12.99		105	64.5	151		0		D
Surr: 1-Bromo-4-fluorobenzene	12.8		12.99		99.0	54.8	168		0		D

Work Order: 1909162
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **1909162-002BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/12/2019** RunNo: **53862**
Client ID: **CA-C13-Comp** Batch ID: **25785** Analysis Date: **9/12/2019** SeqNo: **1066634**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	12.2	0.290	11.60	0	105	43.6	150				D
cis-1,2-Dichloroethene	13.1	0.232	11.60	0	113	58.6	136				D
Trichloroethene (TCE)	13.3	0.232	11.60	0	115	61.6	147				D
Tetrachloroethene (PCE)	12.9	0.290	11.60	0	111	35.6	158				D
Surr: Dibromofluoromethane	15.7		14.50		108	56.5	129				D
Surr: Toluene-d8	15.5		14.50		107	64.5	151				D
Surr: 1-Bromo-4-fluorobenzene	14.5		14.50		100	54.8	168				D

Sample ID: **1909162-002BMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **9/12/2019** RunNo: **53862**
Client ID: **CA-C13-Comp** Batch ID: **25785** Analysis Date: **9/12/2019** SeqNo: **1066635**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	11.9	0.290	11.60	0	102	43.6	150	12.22	2.91	30	D
cis-1,2-Dichloroethene	13.1	0.232	11.60	0	113	58.6	136	13.15	0.596	30	D
Trichloroethene (TCE)	13.2	0.232	11.60	0	114	61.6	147	13.33	1.11	30	D
Tetrachloroethene (PCE)	12.4	0.290	11.60	0	107	35.6	158	12.93	3.76	30	D
Surr: Dibromofluoromethane	15.7		14.50		108	56.5	129		0		D
Surr: Toluene-d8	15.6		14.50		107	64.5	151		0		D
Surr: 1-Bromo-4-fluorobenzene	14.6		14.50		101	54.8	168		0		D

Work Order: 1909162
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Sample Moisture (Percent Moisture)

Sample ID: **1909140-002ADUP** SampType: **DUP** Units: **wt%** Prep Date: **9/12/2019** RunNo: **53831**
Client ID: **BATCH** Batch ID: **R53831** Analysis Date: **9/12/2019** SeqNo: **1065660**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	12.7	0.500						11.73	7.91	20	

Sample ID: **1909164-002ADUP** SampType: **DUP** Units: **wt%** Prep Date: **9/12/2019** RunNo: **53831**
Client ID: **BATCH** Batch ID: **R53831** Analysis Date: **9/12/2019** SeqNo: **1065671**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	9.04	0.500						6.853	27.5	20	R

NOTES:
R - High RPD due to suspected sample inhomogeneity.

Sample Log-In Check List

Client Name:	**PES**	Work Order Number:	**1909162**
Logged by:	**Clare Griggs**	Date Received:	**9/11/2019 2:46:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Required ☑
6.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
7.	Were all items received at a temperature of >0°C to 10.0°C *	Yes ☑	No ☐	NA ☐
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Cooler	1.5
Sample	9.4

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 9/11/19 Page: 1 of: 1

Laboratory Project No (internal): 1909162

Project Name: American Linen

Special Remarks: SELECT LIST: TCE, PCE, cis-DCE, VC

Project No: 1413.001.05.310

Collected by: KSZ/HRC

Location: Seattle, WA

Report To (PM): Brian O'Neal

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

PM Email: BONEAL@PESENV.COM

Client: PES Environmental

Address: 1215 4th Ave #1350

City, State, Zip: Seattle, WA 98161

Telephone: (206)529-3980

Fax: (206)529-3985

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	CA-D1-comp	9/11/19	945	S	X													
2	CA-C13-comp	9/11/19	955	S	X													
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished	Date/Time	Received	Date/Time
x [signature]	9/11/19 1446	x [signature]	9/11/19 1446
Relinquished	Date/Time	Received	Date/Time
x		x	

Turn-around Time:

- ☐ Standard
- ☐ 3 Day
- ☒ 2 Day
- ☐ Next Day
- Same Day _____ (specify)

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Brian O'Neal
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: American Linen
Work Order Number: 1909229

September 18, 2019

Attention Brian O'Neal:

Fremont Analytical, Inc. received 2 sample(s) on 9/16/2019 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:
Dan Balbiani
Karsten Springstead
Kim Vik

Date: *09/18/2019*

CLIENT: PES Environmental, Inc.
Project: American Linen
Work Order: 1909229

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1909229-001	CA-B8-3	09/16/2019 11:55 AM	09/16/2019 4:40 PM
1909229-002	CA-D2-31	09/16/2019 4:10 PM	09/16/2019 4:40 PM

Case Narrative

WO#: **1909229**
Date: **9/18/2019**

CLIENT: PES Environmental, Inc.
Project: American Linen

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **1909229**
Date Reported: **9/18/2019**

CLIENT: PES Environmental, Inc.
Project: American Linen

Lab ID: 1909229-001 **Collection Date:** 9/16/2019 11:55:00 AM
Client Sample ID: **CA-B8-3** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25830		Analyst: KT
Vinyl chloride	ND	0.290	D	mg/Kg-dry	10	9/17/2019 9:54:56 AM
cis-1,2-Dichloroethene	1.93	0.232	D	mg/Kg-dry	10	9/17/2019 9:54:56 AM
Trichloroethene (TCE)	ND	0.232	D	mg/Kg-dry	10	9/17/2019 9:54:56 AM
Tetrachloroethene (PCE)	2.98	0.290	D	mg/Kg-dry	10	9/17/2019 9:54:56 AM
Surr: Dibromofluoromethane	94.7	56.5 - 129	D	%Rec	10	9/17/2019 9:54:56 AM
Surr: Toluene-d8	95.0	64.5 - 151	D	%Rec	10	9/17/2019 9:54:56 AM
Surr: 1-Bromo-4-fluorobenzene	92.2	54.8 - 168	D	%Rec	10	9/17/2019 9:54:56 AM
Sample Moisture (Percent Moisture)				Batch ID: R53944		Analyst: ZR
Percent Moisture	12.3	0.500		wt%	1	9/17/2019 11:03:09 AM

Lab ID: 1909229-002 **Collection Date:** 9/16/2019 4:10:00 PM
Client Sample ID: **CA-D2-31** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25830		Analyst: KT
Vinyl chloride	ND	0.253	D	mg/Kg-dry	10	9/17/2019 10:57:12 AM
cis-1,2-Dichloroethene	0.292	0.202	D	mg/Kg-dry	10	9/17/2019 10:57:12 AM
Trichloroethene (TCE)	ND	0.202	D	mg/Kg-dry	10	9/17/2019 10:57:12 AM
Tetrachloroethene (PCE)	26.0	2.53	D	mg/Kg-dry	100	9/17/2019 1:01:57 PM
Surr: Dibromofluoromethane	94.0	56.5 - 129	D	%Rec	10	9/17/2019 10:57:12 AM
Surr: Toluene-d8	93.6	64.5 - 151	D	%Rec	10	9/17/2019 10:57:12 AM
Surr: 1-Bromo-4-fluorobenzene	91.6	54.8 - 168	D	%Rec	10	9/17/2019 10:57:12 AM
Sample Moisture (Percent Moisture)				Batch ID: R53944		Analyst: ZR
Percent Moisture	9.54	0.500		wt%	1	9/17/2019 11:03:09 AM

Work Order: 1909229
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-25830** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/17/2019** RunNo: **53963**
Client ID: **LCSS** Batch ID: **25830** Analysis Date: **9/17/2019** SeqNo: **1068516**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.839	0.0250	1.000	0	83.9	43.4	151				
cis-1,2-Dichloroethene	0.897	0.0200	1.000	0	89.7	71.3	135				
Trichloroethene (TCE)	0.897	0.0200	1.000	0	89.7	65.5	137				
Tetrachloroethene (PCE)	0.952	0.0250	1.000	0	95.2	52.7	150				
Surr: Dibromofluoromethane	1.21		1.250		96.4	56.5	129				
Surr: Toluene-d8	1.19		1.250		95.4	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.23		1.250		98.8	54.8	168				

Sample ID: **MB-25830** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/17/2019** RunNo: **53963**
Client ID: **MBLKS** Batch ID: **25830** Analysis Date: **9/17/2019** SeqNo: **1068517**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
cis-1,2-Dichloroethene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0250									
Surr: Dibromofluoromethane	1.17		1.250		93.8	56.5	129				
Surr: Toluene-d8	1.16		1.250		93.0	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.18		1.250		94.7	54.8	168				

Sample ID: **1909229-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/17/2019** RunNo: **53963**
Client ID: **CA-B8-3** Batch ID: **25830** Analysis Date: **9/17/2019** SeqNo: **1068500**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.290						0	0	30	D
cis-1,2-Dichloroethene	2.04	0.232						1.930	5.68	30	D
Trichloroethene (TCE)	ND	0.232						0	0	30	D
Tetrachloroethene (PCE)	3.20	0.290						2.976	7.16	30	D
Surr: Dibromofluoromethane	13.7		14.51		94.7	56.5	129		0		D
Surr: Toluene-d8	13.6		14.51		93.7	64.5	151		0		D

Work Order: 1909229
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **1909229-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/17/2019** RunNo: **53963**
Client ID: **CA-B8-3** Batch ID: **25830** Analysis Date: **9/17/2019** SeqNo: **1068500**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1-Bromo-4-fluorobenzene	14.1		14.51		97.2	54.8	168		0		D

Sample ID: **1909229-002BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/17/2019** RunNo: **53963**
Client ID: **CA-D2-31** Batch ID: **25830** Analysis Date: **9/17/2019** SeqNo: **1068503**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	8.86	0.253	10.12	0	87.5	43.6	150				D
cis-1,2-Dichloroethene	9.74	0.202	10.12	0.2923	93.3	58.6	136				D
Trichloroethene (TCE)	9.55	0.202	10.12	0	94.3	61.6	147				D
Tetrachloroethene (PCE)	40.0	0.253	10.12	30.33	95.8	35.6	158				DE
Surr: Dibromofluoromethane	12.3		12.66		97.0	56.5	129				D
Surr: Toluene-d8	12.2		12.66		96.7	64.5	151				D
Surr: 1-Bromo-4-fluorobenzene	12.4		12.66		97.9	54.8	168				D

NOTES:
E - Estimated value. The amount exceeds the linear working range of the instrument.

Sample ID: **1909229-002BMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **9/17/2019** RunNo: **53963**
Client ID: **CA-D2-31** Batch ID: **25830** Analysis Date: **9/17/2019** SeqNo: **1068504**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	9.41	0.253	10.12	0	92.9	43.6	150	8.861	5.98	30	D
cis-1,2-Dichloroethene	10.0	0.202	10.12	0.2923	95.9	58.6	136	9.740	2.67	30	D
Trichloroethene (TCE)	9.88	0.202	10.12	0	97.6	61.6	147	9.547	3.46	30	D
Tetrachloroethene (PCE)	42.4	0.253	10.12	30.33	120	35.6	158	40.03	5.85	30	DE
Surr: Dibromofluoromethane	12.2		12.66		96.3	56.5	129		0		D
Surr: Toluene-d8	12.1		12.66		95.5	64.5	151		0		D
Surr: 1-Bromo-4-fluorobenzene	12.7		12.66		100	54.8	168		0		D

NOTES:
E - Estimated value. The amount exceeds the linear working range of the instrument.

Work Order: 1909229
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Sample Moisture (Percent Moisture)

Sample ID: **1909219-001ADUP** SampType: **DUP** Units: **wt%** Prep Date: **9/17/2019** RunNo: **53944**
Client ID: **BATCH** Batch ID: **R53944** Analysis Date: **9/17/2019** SeqNo: **1068044**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	12.4	0.500						13.33	7.38	20	

Sample ID: **1909204-015ADUP** SampType: **DUP** Units: **wt%** Prep Date: **9/17/2019** RunNo: **53944**
Client ID: **BATCH** Batch ID: **R53944** Analysis Date: **9/17/2019** SeqNo: **1068066**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	11.8	0.500						11.84	0.732	20	

Sample Log-In Check List

Client Name:	**PES**	Work Order Number:	**1909229**
Logged by:	**Carissa True**	Date Received:	**9/16/2019 4:40:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☐	No ☑	NA ☐
		No cooler present		
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Required ☑
6.	Was an attempt made to cool the samples?	Yes ☐	No ☑	NA ☐
		Unknown prior to receipt		
7.	Were all items received at a temperature of >0°C to 10.0°C *	Yes ☐	No ☑	NA ☐
		Please refer to item information		
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Cooler 1	22.0
Sample 1	22.0

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 9/16/19 Page: 1 of: 1

Laboratory Project No (internal): 190229

Project Name: American Linen

Special Remarks: SELECT LIST: TCE, PCE, cis-DCE, VC

Project No: 1413.001.05.310

Collected by: HRC / C. DeBoer

Location: Seattle, WA

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Client: PES Environmental

Address: 1215 4th Ave #1350

City, State, Zip: Seattle, WA 98161

Telephone: (206) 529-3980

Report To (PM): Brian O'Neal

Fax: (206) 529-3985

PM Email: BONEAL@PESENV.COM

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	CA-B8-3	9/16/19	1155	S	X													
2	CA-02-31	9/16/19	1610	S	X													
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:
- ☐ Standard
- ☐ 3 Day
- ☒ 2 Day
- ☐ Next Day
- Same Day _____ (specify)

Relinquished	Date/Time	Received	Date/Time
x Hannah Colm	9/16/19 1640	x	9/16/19 1640
Relinquished	Date/Time	Received	Date/Time
x		x	

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Brian O'Neal
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: American Linen
Work Order Number: 1909255

September 18, 2019

Attention Brian O'Neal:

Fremont Analytical, Inc. received 1 sample(s) on 9/17/2019 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:
Dan Balbiani
Karsten Springstead
Kim Vik

Date: *09/18/2019*

CLIENT: PES Environmental, Inc.
Project: American Linen
Work Order: 1909255

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1909255-001	CA-D2-50-52	09/17/2019 4:01 PM	09/17/2019 4:52 PM

Case Narrative

WO#: **1909255**
Date: **9/18/2019**

CLIENT: PES Environmental, Inc.
Project: American Linen

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **1909255**
Date Reported: **9/18/2019**

CLIENT: PES Environmental, Inc.
Project: American Linen

Lab ID: 1909255-001 **Collection Date:** 9/17/2019 4:01:00 PM
Client Sample ID: **CA-D2-50-52** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25830		Analyst: KT
Vinyl chloride	ND	0.280	D	mg/Kg-dry	10	9/17/2019 8:27:39 PM
cis-1,2-Dichloroethene	ND	0.224	D	mg/Kg-dry	10	9/17/2019 8:27:39 PM
Trichloroethene (TCE)	ND	0.224	D	mg/Kg-dry	10	9/17/2019 8:27:39 PM
Tetrachloroethene (PCE)	0.158	0.280	JD	mg/Kg-dry	10	9/17/2019 8:27:39 PM
Surr: Dibromofluoromethane	98.0	56.5 - 129	D	%Rec	10	9/17/2019 8:27:39 PM
Surr: Toluene-d8	94.8	64.5 - 151	D	%Rec	10	9/17/2019 8:27:39 PM
Surr: 1-Bromo-4-fluorobenzene	94.3	54.8 - 168	D	%Rec	10	9/17/2019 8:27:39 PM
Sample Moisture (Percent Moisture)				Batch ID: R53962		Analyst: CG
Percent Moisture	13.0	0.500		wt%	1	9/17/2019 5:27:22 PM

Work Order: 1909255
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID **LCS-25830** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/17/2019** RunNo: **53963**
Client ID: **LCSS** Batch ID: **25830** Analysis Date: **9/17/2019** SeqNo: **1068516**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.839	0.0250	1.000	0	83.9	43.4	151				
cis-1,2-Dichloroethene	0.897	0.0200	1.000	0	89.7	71.3	135				
Trichloroethene (TCE)	0.897	0.0200	1.000	0	89.7	65.5	137				
Tetrachloroethene (PCE)	0.952	0.0250	1.000	0	95.2	52.7	150				
Surr: Dibromofluoromethane	1.21		1.250		96.4	56.5	129				
Surr: Toluene-d8	1.19		1.250		95.4	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.23		1.250		98.8	54.8	168				

Sample ID **MB-25830** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/17/2019** RunNo: **53963**
Client ID: **MBLKS** Batch ID: **25830** Analysis Date: **9/17/2019** SeqNo: **1068517**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
cis-1,2-Dichloroethene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0250									
Surr: Dibromofluoromethane	1.17		1.250		93.8	56.5	129				
Surr: Toluene-d8	1.16		1.250		93.0	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.18		1.250		94.7	54.8	168				

Sample ID **1909229-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/17/2019** RunNo: **53963**
Client ID: **BATCH** Batch ID: **25830** Analysis Date: **9/17/2019** SeqNo: **1068500**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.290						0	0	30	D
cis-1,2-Dichloroethene	2.04	0.232						1.930	5.68	30	D
Trichloroethene (TCE)	ND	0.232						0	0	30	D
Tetrachloroethene (PCE)	3.20	0.290						2.976	7.16	30	D
Surr: Dibromofluoromethane	13.7		14.51		94.7	56.5	129		0		D
Surr: Toluene-d8	13.6		14.51		93.7	64.5	151		0		D

Work Order: 1909255
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID **1909229-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/17/2019** RunNo: **53963**
Client ID: **BATCH** Batch ID: **25830** Analysis Date: **9/17/2019** SeqNo: **1068500**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1-Bromo-4-fluorobenzene	14.1		14.51		97.2	54.8	168		0		D

Sample ID **1909229-002BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/17/2019** RunNo: **53963**
Client ID: **BATCH** Batch ID: **25830** Analysis Date: **9/17/2019** SeqNo: **1068503**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	8.86	0.253	10.12	0	87.5	43.6	150				D
cis-1,2-Dichloroethene	9.74	0.202	10.12	0.2923	93.3	58.6	136				D
Trichloroethene (TCE)	9.55	0.202	10.12	0	94.3	61.6	147				D
Tetrachloroethene (PCE)	40.0	0.253	10.12	30.33	95.8	35.6	158				DE
Surr: Dibromofluoromethane	12.3		12.66		97.0	56.5	129				D
Surr: Toluene-d8	12.2		12.66		96.7	64.5	151				D
Surr: 1-Bromo-4-fluorobenzene	12.4		12.66		97.9	54.8	168				D

NOTES:
E - Estimated value. The amount exceeds the linear working range of the instrument.

Sample ID **1909229-002BMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **9/17/2019** RunNo: **53963**
Client ID: **BATCH** Batch ID: **25830** Analysis Date: **9/17/2019** SeqNo: **1068504**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	9.41	0.253	10.12	0	92.9	43.6	150	8.861	5.98	30	D
cis-1,2-Dichloroethene	10.0	0.202	10.12	0.2923	95.9	58.6	136	9.740	2.67	30	D
Trichloroethene (TCE)	9.88	0.202	10.12	0	97.6	61.6	147	9.547	3.46	30	D
Tetrachloroethene (PCE)	42.4	0.253	10.12	30.33	120	35.6	158	40.03	5.85	30	DE
Surr: Dibromofluoromethane	12.2		12.66		96.3	56.5	129		0		D
Surr: Toluene-d8	12.1		12.66		95.5	64.5	151		0		D
Surr: 1-Bromo-4-fluorobenzene	12.7		12.66		100	54.8	168		0		D

NOTES:
E - Estimated value. The amount exceeds the linear working range of the instrument.

Work Order: 1909255
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Sample Moisture (Percent Moisture)

Sample ID	**1909246-002ADUP**	SampType: **DUP**			Units: **wt%**		Prep Date: **9/17/2019**		RunNo: **53962**		
Client ID:	**BATCH**	Batch ID: **R53962**					Analysis Date: **9/17/2019**		SeqNo: **1068490**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	7.25	0.500						8.022	10.1	20	

Sample ID	**1909254-004ADUP**	SampType: **DUP**			Units: **wt%**		Prep Date: **9/17/2019**		RunNo: **53962**		
Client ID:	**BATCH**	Batch ID: **R53962**					Analysis Date: **9/17/2019**		SeqNo: **1068496**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	11.1	0.500						9.372	16.8	20	

Sample Log-In Check List

Client Name:	**PES**	Work Order Number:	**1909255**
Logged by:	**Carissa True**	Date Received:	**9/17/2019 4:52:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Required ☑
6.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
7.	Were all items received at a temperature of >0°C to 10.0°C*	Yes ☑	No ☐	NA ☐
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Cooler 1	4.3
Sample 1	8.4

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 9/17/19 Page: 1 of: 1

Laboratory Project No (internal): 1909255

Project Name: American Linen

Special Remarks: SELECT LIST: PCE, TCE, cis-DCE, VC

Project No: 1413.001.05.310

Client: PES Environmental

Collected by: H. Cohen

Address: 1215 4th Ave #1350

Location: Seattle, WA

City, State, Zip: Seattle, WA 98161

Report To (PM): Brian O'Neal

Telephone: (206)529-3980

PM Email: BONEAL@PESENV.COM

Fax: (206)529-3985

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T)	Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	CA-02-50-52	9/17/19	1601	S	X														
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:

- ☐ Standard
- ☐ 3 Day
- ☒ 2 Day
- ☐ Next Day
- Same Day _____ (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished	Date/Time	Received	Date/Time
x Hannah Cohn	9/17/19 1652	x Kayla Pete	9/17/19 1652
Relinquished	Date/Time	Received	Date/Time
x		x	

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Brian O'Neal
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: American Linen
Work Order Number: 1909313

September 25, 2019

Attention Brian O'Neal:

Fremont Analytical, Inc. received 2 sample(s) on 9/19/2019 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:
Dan Balbiani
Karsten Springstead
Kim Vik

Date: *09/25/2019*

CLIENT: PES Environmental, Inc.
Project: American Linen
Work Order: 1909313

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1909313-001	CA-D4-51	09/19/2019 3:03 PM	09/19/2019 4:30 PM
1909313-002	CA-D4-54	09/19/2019 3:20 PM	09/19/2019 4:30 PM

Case Narrative

WO#: **1909313**
Date: **9/25/2019**

CLIENT: PES Environmental, Inc.
Project: American Linen

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

9/25/19: Revision 1 includes re-analysis for suspected PCE carry over.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **1909313**
Date Reported: **9/25/2019**

CLIENT: PES Environmental, Inc.
Project: American Linen

Lab ID: 1909313-001 **Collection Date:** 9/19/2019 3:03:00 PM
Client Sample ID: **CA-D4-51** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25889		Analyst: KT
Vinyl chloride	ND	0.314	D	mg/Kg-dry	10	9/21/2019 3:34:48 PM
cis-1,2-Dichloroethene	ND	0.251	D	mg/Kg-dry	10	9/21/2019 3:34:48 PM
Trichloroethene (TCE)	ND	0.251	D	mg/Kg-dry	10	9/21/2019 3:34:48 PM
Tetrachloroethene (PCE)	1.14	0.314	D	mg/Kg-dry	10	9/25/2019 11:41:34 AM
Surr: Dibromofluoromethane	95.3	56.5 - 129	D	%Rec	10	9/21/2019 3:34:48 PM
Surr: Toluene-d8	93.1	64.5 - 151	D	%Rec	10	9/21/2019 3:34:48 PM
Surr: 1-Bromo-4-fluorobenzene	94.4	54.8 - 168	D	%Rec	10	9/21/2019 3:34:48 PM
Sample Moisture (Percent Moisture)				Batch ID: R54078		Analyst: ZR
Percent Moisture	16.4	0.500		wt%	1	9/23/2019 2:15:57 PM

Lab ID: 1909313-002 **Collection Date:** 9/19/2019 3:20:00 PM
Client Sample ID: **CA-D4-54** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25889		Analyst: KT
Vinyl chloride	ND	0.282	D	mg/Kg-dry	10	9/21/2019 4:37:42 PM
cis-1,2-Dichloroethene	ND	0.226	D	mg/Kg-dry	10	9/21/2019 4:37:42 PM
Trichloroethene (TCE)	0.121	0.226	DJ	mg/Kg-dry	10	9/21/2019 4:37:42 PM
Tetrachloroethene (PCE)	1.84	0.282	D	mg/Kg-dry	10	9/25/2019 12:11:00 PM
Surr: Dibromofluoromethane	95.9	56.5 - 129	D	%Rec	10	9/21/2019 4:37:42 PM
Surr: Toluene-d8	93.4	64.5 - 151	D	%Rec	10	9/21/2019 4:37:42 PM
Surr: 1-Bromo-4-fluorobenzene	95.2	54.8 - 168	D	%Rec	10	9/21/2019 4:37:42 PM
Sample Moisture (Percent Moisture)				Batch ID: R54078		Analyst: ZR
Percent Moisture	14.9	0.500		wt%	1	9/23/2019 2:15:57 PM

Work Order: 1909313
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **MB-25889** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/20/2019** RunNo: **54061**
Client ID: **MBLKS** Batch ID: **25889** Analysis Date: **9/21/2019** SeqNo: **1070630**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
cis-1,2-Dichloroethene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	0.0809	0.0250									
Surr: Dibromofluoromethane	1.17		1.250		93.8	56.5	129				
Surr: Toluene-d8	1.18		1.250		94.3	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.16		1.250		92.7	54.8	168				

Sample ID: **1909313-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/20/2019** RunNo: **54061**
Client ID: **CA-D4-51** Batch ID: **25889** Analysis Date: **9/21/2019** SeqNo: **1070620**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.314						0	0	30	D
cis-1,2-Dichloroethene	ND	0.251						0	0	30	D
Trichloroethene (TCE)	ND	0.251						0	0	30	D
Tetrachloroethene (PCE)	1.51	0.314						1.423	5.85	30	D
Surr: Dibromofluoromethane	15.0		15.69		95.6	56.5	129		0		D
Surr: Toluene-d8	14.7		15.69		93.9	64.5	151		0		D
Surr: 1-Bromo-4-fluorobenzene	15.0		15.69		95.6	54.8	168		0		D

Sample ID: **1909313-002BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/20/2019** RunNo: **54061**
Client ID: **CA-D4-54** Batch ID: **25889** Analysis Date: **9/21/2019** SeqNo: **1070622**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	7.76	0.282	11.29	0	68.7	43.6	150				D
cis-1,2-Dichloroethene	9.81	0.226	11.29	0	86.9	58.6	136				D
Trichloroethene (TCE)	10.5	0.226	11.29	0.1207	91.7	61.6	147				D
Tetrachloroethene (PCE)	11.6	0.282	11.29	1.691	87.7	35.6	158				D
Surr: Dibromofluoromethane	13.8		14.11		97.9	56.5	129				D
Surr: Toluene-d8	13.7		14.11		97.1	64.5	151				D

Work Order: 1909313
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **1909313-002BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/20/2019** RunNo: **54061**
Client ID: **CA-D4-54** Batch ID: **25889** Analysis Date: **9/21/2019** SeqNo: **1070622**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1-Bromo-4-fluorobenzene	13.6		14.11		96.4	54.8	168				D

Sample ID: **1909313-002BMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **9/20/2019** RunNo: **54061**
Client ID: **CA-D4-54** Batch ID: **25889** Analysis Date: **9/21/2019** SeqNo: **1070623**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	6.91	0.282	11.29	0	61.2	43.6	150	7.755	11.5	30	D
cis-1,2-Dichloroethene	9.09	0.226	11.29	0	80.5	58.6	136	9.810	7.58	30	D
Trichloroethene (TCE)	9.47	0.226	11.29	0.1207	82.8	61.6	147	10.47	10.1	30	D
Tetrachloroethene (PCE)	10.5	0.282	11.29	1.691	77.9	35.6	158	11.59	9.97	30	D
Surr: Dibromofluoromethane	13.7		14.11		97.1	56.5	129		0		D
Surr: Toluene-d8	13.5		14.11		95.6	64.5	151		0		D
Surr: 1-Bromo-4-fluorobenzene	13.6		14.11		96.6	54.8	168		0		D

Sample ID: **LCS-25889** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/20/2019** RunNo: **54061**
Client ID: **LCSS** Batch ID: **25889** Analysis Date: **9/23/2019** SeqNo: **1070829**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.867	0.0250	1.000	0	86.7	43.4	151				
cis-1,2-Dichloroethene	0.936	0.0200	1.000	0	93.6	71.3	135				
Trichloroethene (TCE)	0.941	0.0200	1.000	0	94.1	65.5	137				
Tetrachloroethene (PCE)	1.02	0.0250	1.000	0	102	52.7	150				B
Surr: Dibromofluoromethane	1.21		1.250		96.9	56.5	129				
Surr: Toluene-d8	1.22		1.250		97.7	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.27		1.250		101	54.8	168				

Work Order: 1909313
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **MB-25889** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/20/2019** RunNo: **54137**
Client ID: **MBLKS** Batch ID: **25889** Analysis Date: **9/25/2019** SeqNo: **1072568**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0250									
Surr: Dibromofluoromethane	1.13		1.250		90.1	56.5	129				
Surr: Toluene-d8	1.17		1.250		93.2	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.21		1.250		97.0	54.8	168				

Work Order: 1909313
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Sample Moisture (Percent Moisture)

Sample ID: **1909313-001ADUP** SampType: **DUP** Units: **wt%** Prep Date: **9/23/2019** RunNo: **54078**
Client ID: **CA-D4-51** Batch ID: **R54078** Analysis Date: **9/23/2019** SeqNo: **1071045**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	16.6	0.500						16.43	1.05	20	

Sample ID: **1909341-001ADUP** SampType: **DUP** Units: **wt%** Prep Date: **9/23/2019** RunNo: **54078**
Client ID: **BATCH** Batch ID: **R54078** Analysis Date: **9/23/2019** SeqNo: **1071051**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	20.1	0.500						13.00	42.7	20	R

NOTES:
R - High RPD observed.

Sample Log-In Check List

Client Name:	**PES**	Work Order Number:	**1909313**
Logged by:	**Clare Griggs**	Date Received:	**9/19/2019 4:30:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐	
2.	How was the sample delivered?	Client			

Log In

3.	Coolers are present?	Yes ☐	No ☑	NA ☐	
	Samples received straight from field.				
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐		
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Required ☑	
6.	Was an attempt made to cool the samples?	Yes ☐	No ☐	NA ☑	
7.	Were all items received at a temperature of >0°C to 10.0°C *	Yes ☐	No ☐	NA ☑	
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐		
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐		
10.	Are samples properly preserved?	Yes ☑	No ☐		
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐	
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑	
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐		
14.	Does paperwork match bottle labels?	Yes ☑	No ☐		
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐		
16.	Is it clear what analyses were requested?	Yes ☑	No ☐		
17.	Were all holding times able to be met?	Yes ☑	No ☐		

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑	

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample	14.3

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 9-19-19 Page: 1 of: 1

Laboratory Project No (internal): 1909313

Project Name: AMERICAN LINEN

Special Remarks: SELECT LIST – PCE, TCE, CIS-1, DCE VC

Project No: 1413.001.05.310

Client: PES ENVIRONMENTAL

Collected by: H. COHEN / R. MCLAUGHLIN

Address: 1215 4th AVE STE 1350

Location: SEATTLE WA

City, State, Zip: SEATTLE WA

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Telephone: 206 529 3980

Report To (PM): B. ONEAL

Fax: 206 529 3985

PM Email: BONEAL@PESENV.COM

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T)	Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	CA-D4-51	9/19/19	1503	S	X														
2	CA-D4-54	"	1520	S	X														
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:
- ☐ Standard
- ☐ 3 Day
- ☒ 2 Day
- ☐ Next Day
- Same Day _____ (specify)

Relinquished	Date/Time	Received	Date/Time
x [signature]	9-19-19 1630	x [signature]	9/19/19 1630
Relinquished x	Date/Time	Received x	Date/Time

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Brian O'Neal
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: American Linen
Work Order Number: 1909338

September 24, 2019

Attention Brian O'Neal:

Fremont Analytical, Inc. received 1 sample(s) on 9/20/2019 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:
Dan Balbiani
Karsten Springstead
Kim Vik

Date: *09/24/2019*

CLIENT: PES Environmental, Inc.
Project: American Linen
Work Order: 1909338

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1909338-001	CA-C7-25	09/20/2019 3:40 PM	09/20/2019 4:37 PM

Case Narrative

WO#: **1909338**
Date: **9/24/2019**

CLIENT: PES Environmental, Inc.
Project: American Linen

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **1909338**
Date Reported: **9/24/2019**

CLIENT: PES Environmental, Inc.
Project: American Linen

Lab ID: 1909338-001 **Collection Date:** 9/20/2019 3:40:00 PM
Client Sample ID: **CA-C7-25** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25907		Analyst: KT
Vinyl chloride	0.172	0.248	DJ	mg/Kg-dry	10	9/23/2019 11:59:52 PM
cis-1,2-Dichloroethene	6.33	0.198	D	mg/Kg-dry	10	9/23/2019 11:59:52 PM
Trichloroethene (TCE)	ND	0.198	D	mg/Kg-dry	10	9/23/2019 11:59:52 PM
Tetrachloroethene (PCE)	0.167	0.248	DJ	mg/Kg-dry	10	9/23/2019 11:59:52 PM
Surr: Dibromofluoromethane	95.6	56.5 - 129	D	%Rec	10	9/23/2019 11:59:52 PM
Surr: Toluene-d8	97.3	64.5 - 151	D	%Rec	10	9/23/2019 11:59:52 PM
Surr: 1-Bromo-4-fluorobenzene	100	54.8 - 168	D	%Rec	10	9/23/2019 11:59:52 PM
Sample Moisture (Percent Moisture)				Batch ID: R54093		Analyst: CJ
Percent Moisture	12.2	0.500		wt%	1	9/24/2019 8:47:23 AM

Work Order: 1909338
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-25907** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/23/2019** RunNo: **54091**
Client ID: **LCSS** Batch ID: **25907** Analysis Date: **9/23/2019** SeqNo: **1071294**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.982	0.0250	1.000	0	98.2	43.4	151				
cis-1,2-Dichloroethene	0.986	0.0200	1.000	0	98.6	71.3	135				
Trichloroethene (TCE)	0.987	0.0200	1.000	0	98.7	65.5	137				
Tetrachloroethene (PCE)	1.00	0.0250	1.000	0	100	52.7	150				
Surr: Dibromofluoromethane	1.22		1.250		97.4	56.5	129				
Surr: Toluene-d8	1.25		1.250		100	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.24		1.250		99.2	54.8	168				

Sample ID: **MB-25907** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/23/2019** RunNo: **54091**
Client ID: **MBLKS** Batch ID: **25907** Analysis Date: **9/23/2019** SeqNo: **1071295**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
cis-1,2-Dichloroethene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0250									
Surr: Dibromofluoromethane	1.20		1.250		96.0	56.5	129				
Surr: Toluene-d8	1.23		1.250		98.1	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.25		1.250		100	54.8	168				

Sample ID: **1909347-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/23/2019** RunNo: **54091**
Client ID: **BATCH** Batch ID: **25907** Analysis Date: **9/23/2019** SeqNo: **1071290**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.531	0.249						0.4723	11.7	30	D
cis-1,2-Dichloroethene	12.3	0.199						11.81	4.03	30	D
Trichloroethene (TCE)	0.269	0.199						0.2397	11.7	30	D
Tetrachloroethene (PCE)	4.85	0.249						4.579	5.70	30	D
Surr: Dibromofluoromethane	11.9		12.45		95.6	56.5	129		0		D
Surr: Toluene-d8	12.3		12.45		98.6	64.5	151		0		D

Work Order: 1909338
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **1909347-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/23/2019** RunNo: **54091**
Client ID: **BATCH** Batch ID: **25907** Analysis Date: **9/23/2019** SeqNo: **1071290**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1-Bromo-4-fluorobenzene	12.3		12.45		99.2	54.8	168		0		D

Sample ID: **1909345-006BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/23/2019** RunNo: **54091**
Client ID: **BATCH** Batch ID: **25907** Analysis Date: **9/23/2019** SeqNo: **1071286**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.315						0	0	30	D
cis-1,2-Dichloroethene	ND	0.252						0	0	30	D
Trichloroethene (TCE)	ND	0.252						0	0	30	D
Tetrachloroethene (PCE)	18.3	0.315						18.57	1.28	30	D
Surr: Dibromofluoromethane	15.1		15.76		95.8	56.5	129		0		D
Surr: Toluene-d8	15.5		15.76		98.4	64.5	151		0		D
Surr: 1-Bromo-4-fluorobenzene	15.7		15.76		99.7	54.8	168		0		D

Sample ID: **1909338-001BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/23/2019** RunNo: **54091**
Client ID: **CA-C7-25** Batch ID: **25907** Analysis Date: **9/24/2019** SeqNo: **1071275**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	9.04	0.248	9.920	0.1717	89.4	43.6	150				D
cis-1,2-Dichloroethene	15.4	0.198	9.920	6.329	91.4	58.6	136				D
Trichloroethene (TCE)	9.95	0.198	9.920	0	100	61.6	147				D
Tetrachloroethene (PCE)	10.6	0.248	9.920	0.1666	105	35.6	158				D
Surr: Dibromofluoromethane	11.9		12.40		95.7	56.5	129				D
Surr: Toluene-d8	12.3		12.40		99.3	64.5	151				D
Surr: 1-Bromo-4-fluorobenzene	12.5		12.40		101	54.8	168				D

Work Order: 1909338
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **1909338-001BMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **9/23/2019** RunNo: **54091**
Client ID: **CA-C7-25** Batch ID: **25907** Analysis Date: **9/24/2019** SeqNo: **1071276**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	10.8	0.248	9.920	0.1717	107	43.6	150	9.042	17.3	30	D
cis-1,2-Dichloroethene	15.8	0.198	9.920	6.329	95.3	58.6	136	15.39	2.49	30	D
Trichloroethene (TCE)	9.59	0.198	9.920	0	96.6	61.6	147	9.951	3.73	30	D
Tetrachloroethene (PCE)	10.3	0.248	9.920	0.1666	102	35.6	158	10.57	2.35	30	D
Surr: Dibromofluoromethane	11.4		12.40		91.5	56.5	129		0		D
Surr: Toluene-d8	11.7		12.40		94.5	64.5	151		0		D
Surr: 1-Bromo-4-fluorobenzene	12.3		12.40		99.0	54.8	168		0		D

Work Order: 1909338
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Sample Moisture (Percent Moisture)

Sample ID: **1909306-005ADUP** SampType: **DUP** Units: **wt%** Prep Date: **9/24/2019** RunNo: **54093**
Client ID: **BATCH** Batch ID: **R54093** Analysis Date: **9/24/2019** SeqNo: **1071319**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	15.4	0.500						15.63	1.59	20	

Sample ID: **1909309-009ADUP** SampType: **DUP** Units: **wt%** Prep Date: **9/24/2019** RunNo: **54093**
Client ID: **BATCH** Batch ID: **R54093** Analysis Date: **9/24/2019** SeqNo: **1071329**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	22.4	0.500						21.77	2.77	20	

Sample Log-In Check List

Client Name:	**PES**	Work Order Number:	**1909338**
Logged by:	**Carissa True**	Date Received:	**9/20/2019 4:37:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Required ☑
6.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
7.	Were all items received at a temperature of >0°C to 10.0°C *	Yes ☐	No ☑	NA ☐
	Samples received straight from field			
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Cooler 1	14.3
Sample 1	12.4

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 9/20/2019 Page: 1 of: 1

Project Name: AMERICAN LINEN

Project No: 1413-001-05-310

Collected by: HRC

Location: Seattle, WA

Report To (PM): B. O'Neal

PM Email: BONEAL@PESENV.COM

Laboratory Project No (internal): 1909338

Special Remarks: Select List VOCs: PCE, TCE, cis-1,2 DCE, VC

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Client: PES Environmental

Address: 1215 4th Ave Ste 1350

City, State, Zip: Seattle, WA 98161

Telephone: 206-529-3980

Fax: 206-529-3985

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	CA-C7-25	9/20/19	1540	S	X													
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished	Date/Time	Received	Date/Time
x Hanh Colm	9/20/19 1637	x	9/20/19 1637
Relinquished	Date/Time	Received	Date/Time
x		x	

Turn-around Time:

- ☐ Standard
- ☐ 3 Day
- ☒ 2 Day
- ☐ Next Day
- Same Day _____ (specify)

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Brian O'Neal
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: American Linen
Work Order Number: 1909347

September 25, 2019

Attention Brian O'Neal:

Fremont Analytical, Inc. received 1 sample(s) on 9/23/2019 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:
Dan Balbiani
Karsten Springstead
Kim Vik

Date: *09/25/2019*

CLIENT: PES Environmental, Inc.
Project: American Linen
Work Order: 1909347

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1909347-001	CA-D3-40	09/23/2019 2:40 PM	09/23/2019 3:09 PM

Case Narrative

WO#: **1909347**
Date: **9/25/2019**

CLIENT: PES Environmental, Inc.
Project: American Linen

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **1909347**
Date Reported: **9/25/2019**

CLIENT: PES Environmental, Inc.
Project: American Linen

Lab ID: 1909347-001 **Collection Date:** 9/23/2019 2:40:00 PM
Client Sample ID: **CA-D3-40** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25907		Analyst: KT
Vinyl chloride	0.472	0.249	D	mg/Kg-dry	10	9/23/2019 7:29:55 PM
cis-1,2-Dichloroethene	11.8	0.199	D	mg/Kg-dry	10	9/23/2019 7:29:55 PM
Trichloroethene (TCE)	0.240	0.199	D	mg/Kg-dry	10	9/23/2019 7:29:55 PM
Tetrachloroethene (PCE)	4.58	0.249	D	mg/Kg-dry	10	9/23/2019 7:29:55 PM
Surr: Dibromofluoromethane	96.0	56.5 - 129	D	%Rec	10	9/23/2019 7:29:55 PM
Surr: Toluene-d8	98.3	64.5 - 151	D	%Rec	10	9/23/2019 7:29:55 PM
Surr: 1-Bromo-4-fluorobenzene	99.3	54.8 - 168	D	%Rec	10	9/23/2019 7:29:55 PM
Sample Moisture (Percent Moisture)				Batch ID: R54090		Analyst: ZR
Percent Moisture	14.7	0.500		wt%	1	9/23/2019 5:30:09 PM

Work Order: 1909347
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID **LCS-25907** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/23/2019** RunNo: **54091**
Client ID: **LCSS** Batch ID: **25907** Analysis Date: **9/23/2019** SeqNo: **1071294**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.982	0.0250	1.000	0	98.2	43.4	151				
cis-1,2-Dichloroethene	0.986	0.0200	1.000	0	98.6	71.3	135				
Trichloroethene (TCE)	0.987	0.0200	1.000	0	98.7	65.5	137				
Tetrachloroethene (PCE)	1.00	0.0250	1.000	0	100	52.7	150				
Surr: Dibromofluoromethane	1.22		1.250		97.4	56.5	129				
Surr: Toluene-d8	1.25		1.250		100	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.24		1.250		99.2	54.8	168				

Sample ID **MB-25907** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/23/2019** RunNo: **54091**
Client ID: **MBLKS** Batch ID: **25907** Analysis Date: **9/23/2019** SeqNo: **1071295**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
cis-1,2-Dichloroethene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0250									
Surr: Dibromofluoromethane	1.20		1.250		96.0	56.5	129				
Surr: Toluene-d8	1.23		1.250		98.1	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.25		1.250		100	54.8	168				

Sample ID **1909347-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/23/2019** RunNo: **54091**
Client ID: **CA-D3-40** Batch ID: **25907** Analysis Date: **9/23/2019** SeqNo: **1071290**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.531	0.249						0.4723	11.7	30	D
cis-1,2-Dichloroethene	12.3	0.199						11.81	4.03	30	D
Trichloroethene (TCE)	0.269	0.199						0.2397	11.7	30	D
Tetrachloroethene (PCE)	4.85	0.249						4.579	5.70	30	D
Surr: Dibromofluoromethane	11.9		12.45		95.6	56.5	129		0		D
Surr: Toluene-d8	12.3		12.45		98.6	64.5	151		0		D

Work Order: 1909347
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID **1909347-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/23/2019** RunNo: **54091**
Client ID: **CA-D3-40** Batch ID: **25907** Analysis Date: **9/23/2019** SeqNo: **1071290**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1-Bromo-4-fluorobenzene	12.3		12.45		99.2	54.8	168		0		D

Sample ID **1909345-006BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/23/2019** RunNo: **54091**
Client ID: **BATCH** Batch ID: **25907** Analysis Date: **9/23/2019** SeqNo: **1071286**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.315						0	0	30	D
cis-1,2-Dichloroethene	ND	0.252						0	0	30	D
Trichloroethene (TCE)	ND	0.252						0	0	30	D
Tetrachloroethene (PCE)	18.3	0.315						18.57	1.28	30	D
Surr: Dibromofluoromethane	15.1		15.76		95.8	56.5	129		0		D
Surr: Toluene-d8	15.5		15.76		98.4	64.5	151		0		D
Surr: 1-Bromo-4-fluorobenzene	15.7		15.76		99.7	54.8	168		0		D

Sample ID **1909338-001BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/23/2019** RunNo: **54091**
Client ID: **BATCH** Batch ID: **25907** Analysis Date: **9/24/2019** SeqNo: **1071275**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	9.04	0.248	9.920	0.1717	89.4	43.6	150				D
cis-1,2-Dichloroethene	15.4	0.198	9.920	6.329	91.4	58.6	136				D
Trichloroethene (TCE)	9.95	0.198	9.920	0	100	61.6	147				D
Tetrachloroethene (PCE)	10.6	0.248	9.920	0.1666	105	35.6	158				D
Surr: Dibromofluoromethane	11.9		12.40		95.7	56.5	129				D
Surr: Toluene-d8	12.3		12.40		99.3	64.5	151				D
Surr: 1-Bromo-4-fluorobenzene	12.5		12.40		101	54.8	168				D

Work Order: 1909347
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID **1909338-001BMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **9/23/2019** RunNo: **54091**
Client ID: **BATCH** Batch ID: **25907** Analysis Date: **9/24/2019** SeqNo: **1071276**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	10.8	0.248	9.920	0.1717	107	43.6	150	9.042	17.3	30	D
cis-1,2-Dichloroethene	15.8	0.198	9.920	6.329	95.3	58.6	136	15.39	2.49	30	D
Trichloroethene (TCE)	9.59	0.198	9.920	0	96.6	61.6	147	9.951	3.73	30	D
Tetrachloroethene (PCE)	10.3	0.248	9.920	0.1666	102	35.6	158	10.57	2.35	30	D
Surr: Dibromofluoromethane	11.4		12.40		91.5	56.5	129		0		D
Surr: Toluene-d8	11.7		12.40		94.5	64.5	151		0		D
Surr: 1-Bromo-4-fluorobenzene	12.3		12.40		99.0	54.8	168		0		D

Work Order: 1909347
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Sample Moisture (Percent Moisture)

Sample ID	**1909345-001ADUP**	SampType: **DUP**			Units: **wt%**		Prep Date: **9/23/2019**		RunNo: **54090**	
Client ID:	**BATCH**	Batch ID: **R54090**					Analysis Date: **9/23/2019**		SeqNo: **1071239**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	14.5	0.500						14.39	0.539	20	

Sample ID	**1909347-001ADUP**	SampType: **DUP**			Units: **wt%**		Prep Date: **9/23/2019**		RunNo: **54090**	
Client ID:	**CA-D3-40**	Batch ID: **R54090**					Analysis Date: **9/23/2019**		SeqNo: **1071248**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	14.7	0.500						14.66	0.0444	20	

Sample Log-In Check List

Client Name:	**PES**	Work Order Number:	**1909347**
Logged by:	**Clare Griggs**	Date Received:	**9/23/2019 3:09:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Required ☑
6.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
7.	Were all items received at a temperature of >0°C to 10.0°C*	Yes ☑	No ☐	NA ☐
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Cooler	3.4
Sample	9.9

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 9/23/19 Page: 1 of: 1

Laboratory Project No (internal): 1909347

Project Name: American Linen

Special Remarks: Select List VOC's: PCE, TCE, CIS-1,2 DCE, VC

Project No: 1413.001.05.310

Client: PES Environmental

Collected by: K. ZYGAS

Address: 1215 4th Ave #1350

Location: Seattle, WA

City, State, Zip: Seattle, WA 98161

Report To (PM): B. O'NEAL

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Telephone: (206)529-3980

PM Email: BONEAL@PESENV.COM

Fax: (206)529-3985

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T)	Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	CA-D3-40	9/23/19	1440	S	X														
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☐ Standard
☐ 3 Day
☒ 2 Day
☐ Next Day
Same Day ____ (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished x	Date/Time 9/23/19 1455	Received x	Date/Time 9/23/19 1455
Relinquished x	Date/Time 9/23/19 1509	Received x	Date/Time 9/23/19 15:09

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Brian O'Neal
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: American Linen
Work Order Number: 1909381

September 26, 2019

Attention Brian O'Neal:

Fremont Analytical, Inc. received 1 sample(s) on 9/24/2019 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:
Dan Balbiani
Karsten Springstead
Kim Vik

Date: *09/26/2019*

CLIENT: PES Environmental, Inc.
Project: American Linen
Work Order: 1909381

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1909381-001	MW-171-24	09/24/2019 3:30 PM	09/24/2019 4:14 PM

Case Narrative

WO#: **1909381**

Date: **9/26/2019**

CLIENT: PES Environmental, Inc.

Project: American Linen

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

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B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **1909381**
Date Reported: **9/26/2019**

CLIENT: PES Environmental, Inc.
Project: American Linen

Lab ID: 1909381-001 **Collection Date:** 9/24/2019 3:30:00 PM
Client Sample ID: **MW-171-24** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25917		Analyst: TN
Vinyl chloride	ND	0.199	D	mg/Kg-dry	10	9/26/2019 2:12:35 AM
cis-1,2-Dichloroethene	ND	0.160	D	mg/Kg-dry	10	9/26/2019 2:12:35 AM
Trichloroethene (TCE)	ND	0.160	D	mg/Kg-dry	10	9/26/2019 2:12:35 AM
Tetrachloroethene (PCE)	ND	0.199	D	mg/Kg-dry	10	9/26/2019 2:12:35 AM
Surr: Dibromofluoromethane	93.2	56.5 - 129	D	%Rec	10	9/26/2019 2:12:35 AM
Surr: Toluene-d8	93.3	64.5 - 151	D	%Rec	10	9/26/2019 2:12:35 AM
Surr: 1-Bromo-4-fluorobenzene	99.6	54.8 - 168	D	%Rec	10	9/26/2019 2:12:35 AM
Sample Moisture (Percent Moisture)				Batch ID: R54128		Analyst: CJ
Percent Moisture	8.72	0.500		wt%	1	9/25/2019 11:02:12 AM

Work Order: 1909381
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID **LCS-25917** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/24/2019** RunNo: **54173**
Client ID: **LCSS** Batch ID: **25917** Analysis Date: **9/25/2019** SeqNo: **1073019**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.841	0.0250	1.000	0	84.1	43.4	151				
cis-1,2-Dichloroethene	0.906	0.0200	1.000	0	90.6	71.3	135				
Trichloroethene (TCE)	0.921	0.0200	1.000	0	92.1	65.5	137				
Tetrachloroethene (PCE)	0.985	0.0250	1.000	0	98.5	52.7	150				
Surr: Dibromofluoromethane	1.16		1.250		92.6	56.5	129				
Surr: Toluene-d8	1.17		1.250		93.5	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.24		1.250		99.3	54.8	168				

Sample ID **MB-25917** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/24/2019** RunNo: **54173**
Client ID: **MBLKS** Batch ID: **25917** Analysis Date: **9/25/2019** SeqNo: **1073020**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
cis-1,2-Dichloroethene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0250									
Surr: Dibromofluoromethane	1.13		1.250		90.1	56.5	129				
Surr: Toluene-d8	1.17		1.250		93.2	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.21		1.250		97.0	54.8	168				

Sample ID **1909325-002BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/24/2019** RunNo: **54173**
Client ID: **BATCH** Batch ID: **25917** Analysis Date: **9/25/2019** SeqNo: **1072999**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0193						0	0	30	
cis-1,2-Dichloroethene	ND	0.0154						0	0	30	
Trichloroethene (TCE)	ND	0.0154						0	0	30	
Tetrachloroethene (PCE)	ND	0.0193						0	0	30	
Surr: Dibromofluoromethane	0.860		0.9641		89.2	56.5	129		0		
Surr: Toluene-d8	0.896		0.9641		93.0	64.5	151		0		

Work Order: 1909381
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID **1909325-002BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/24/2019** RunNo: **54173**
Client ID: **BATCH** Batch ID: **25917** Analysis Date: **9/25/2019** SeqNo: **1072999**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1-Bromo-4-fluorobenzene	0.941		0.9641		97.6	54.8	168		0		

Sample ID **1909348-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/24/2019** RunNo: **54173**
Client ID: **BATCH** Batch ID: **25917** Analysis Date: **9/25/2019** SeqNo: **1073006**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0301						0	0	30	
cis-1,2-Dichloroethene	ND	0.0241						0	0	30	
Trichloroethene (TCE)	ND	0.0241						0	0	30	
Tetrachloroethene (PCE)	ND	0.0301						0	0	30	
Surr: Dibromofluoromethane	1.38		1.507		91.3	56.5	129		0		
Surr: Toluene-d8	1.41		1.507		93.8	64.5	151		0		
Surr: 1-Bromo-4-fluorobenzene	1.46		1.507		96.6	54.8	168		0		

Sample ID **1909348-002BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/24/2019** RunNo: **54173**
Client ID: **BATCH** Batch ID: **25917** Analysis Date: **9/25/2019** SeqNo: **1073008**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.28	0.0306	1.224	0	105	43.6	150				
cis-1,2-Dichloroethene	1.20	0.0245	1.224	0	97.9	58.6	136				
Trichloroethene (TCE)	1.23	0.0245	1.224	0	100	61.6	147				
Tetrachloroethene (PCE)	1.26	0.0306	1.224	0	103	35.6	158				
Surr: Dibromofluoromethane	1.42		1.529		92.6	56.5	129				
Surr: Toluene-d8	1.44		1.529		94.3	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.51		1.529		98.5	54.8	168				

Work Order: 1909381
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID **1909348-002BMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **9/24/2019** RunNo: **54173**
Client ID: **BATCH** Batch ID: **25917** Analysis Date: **9/25/2019** SeqNo: **1073009**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.24	0.0306	1.224	0	102	43.6	150	1.284	3.24	30	
cis-1,2-Dichloroethene	1.17	0.0245	1.224	0	95.6	58.6	136	1.198	2.37	30	
Trichloroethene (TCE)	1.20	0.0245	1.224	0	98.1	61.6	147	1.228	2.24	30	
Tetrachloroethene (PCE)	1.28	0.0306	1.224	0	105	35.6	158	1.261	1.54	30	
Surr: Dibromofluoromethane	1.41		1.529		92.3	56.5	129		0		
Surr: Toluene-d8	1.44		1.529		93.9	64.5	151		0		
Surr: 1-Bromo-4-fluorobenzene	1.49		1.529		97.5	54.8	168		0		

Work Order: 1909381
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Sample Moisture (Percent Moisture)

Sample ID **1909356-002ADUP** SampType: **DUP** Units: **wt%** Prep Date: **9/25/2019** RunNo: **54128**
Client ID: **BATCH** Batch ID: **R54128** Analysis Date: **9/25/2019** SeqNo: **1072151**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	26.3	0.500						34.29	26.4	20	R

NOTES:
R - High RPD due to suspected sample inhomogeneity.

Sample ID **1909369-010ADUP** SampType: **DUP** Units: **wt%** Prep Date: **9/25/2019** RunNo: **54128**
Client ID: **BATCH** Batch ID: **R54128** Analysis Date: **9/25/2019** SeqNo: **1072160**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	16.3	0.500						15.58	4.55	20	

Sample Log-In Check List

Client Name:	**PES**	Work Order Number:	**1909381**
Logged by:	**Clare Griggs**	Date Received:	**9/24/2019 4:14:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐	
2.	How was the sample delivered?	Client			

Log In

3.	Coolers are present?	Yes ☐	No ☑	NA ☐	
	Sample received straight from field.				
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐		
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Required ☑	
6.	Was an attempt made to cool the samples?	Yes ☐	No ☐	NA ☑	
7.	Were all items received at a temperature of >0°C to 10.0°C*	Yes ☐	No ☐	NA ☑	
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐		
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐		
10.	Are samples properly preserved?	Yes ☑	No ☐		
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐	
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑	
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐		
14.	Does paperwork match bottle labels?	Yes ☑	No ☐		
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐		
16.	Is it clear what analyses were requested?	Yes ☑	No ☐		
17.	Were all holding times able to be met?	Yes ☑	No ☐		

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑	

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample	19.9

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 9/24/19 Page: 1 of: 1

Laboratory Project No (internal): 1909381

Project Name: AMERICAN CINDER

Special Remarks: Select List VOC's: PCE, TCE, CIS-1,2-DCE, VC

Project No: 1413.001.05.310

Client: PES ENVIRONMENTAL INC.

Collected by: K. ZYJSKI

Address: 1225 4th Ave, #1350

Location: Seattle, WA

City, State, Zip: Seattle, WA 98101

Report To (PM): B. O'NEAL

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Telephone: 206 529-3980

PM Email: BONEAL@PESENV.COM

Fax: 206 529-3985

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	MW-171-24	9/24/19	1530	S	X													
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished x	Date/Time 9/24/19 1600	Received x Hank Cohn	Date/Time 9/24/19 1600
Relinquished x Hank Cohn	Date/Time 9/24/19 1614	Received x	Date/Time 9/24/19 1614

Turn-around Time:

- ☐ Standard
- ☐ 3 Day
- ☒ 2 Day
- ☐ Next Day
- Same Day _____ (specify)

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Brian O'Neal
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: American Linen
Work Order Number: 1909407

September 27, 2019

Attention Brian O'Neal:

Fremont Analytical, Inc. received 3 sample(s) on 9/25/2019 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:
Dan Balbiani
Karsten Springstead
Kim Vik

Date: *09/27/2019*

CLIENT: PES Environmental, Inc.
Project: American Linen
Work Order: 1909407

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1909407-001	MW-180-40	09/25/2019 8:35 AM	09/25/2019 4:25 PM
1909407-002	MW-180-24	09/25/2019 11:00 AM	09/25/2019 4:25 PM
1909407-003	MW-180-27	09/25/2019 11:05 AM	09/25/2019 4:25 PM

Case Narrative

WO#: **1909407**
Date: **9/27/2019**

CLIENT: PES Environmental, Inc.
Project: American Linen

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

CLIENT: PES Environmental, Inc.
Project: American Linen

Lab ID: 1909407-001 **Collection Date:** 9/25/2019 8:35:00 AM
Client Sample ID: **MW-180-40** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25945		Analyst: CR
Vinyl chloride	ND	0.125	D	mg/Kg-dry	10	9/27/2019 12:31:40 AM
cis-1,2-Dichloroethene	0.851	0.0997	D	mg/Kg-dry	10	9/27/2019 12:31:40 AM
Trichloroethene (TCE)	ND	0.0997	D	mg/Kg-dry	10	9/27/2019 12:31:40 AM
Tetrachloroethene (PCE)	0.204	0.125	D	mg/Kg-dry	10	9/27/2019 12:31:40 AM
Surr: Dibromofluoromethane	95.3	56.5 - 129	D	%Rec	10	9/27/2019 12:31:40 AM
Surr: Toluene-d8	96.0	64.5 - 151	D	%Rec	10	9/27/2019 12:31:40 AM
Surr: 1-Bromo-4-fluorobenzene	99.7	54.8 - 168	D	%Rec	10	9/27/2019 12:31:40 AM
Sample Moisture (Percent Moisture)				Batch ID: R54158		Analyst: ZR
Percent Moisture	10.2	0.500		wt%	1	9/26/2019 9:42:39 AM

Lab ID: 1909407-002 **Collection Date:** 9/25/2019 11:00:00 AM
Client Sample ID: **MW-180-24** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25945		Analyst: CR
Vinyl chloride	0.515	0.134	D	mg/Kg-dry	10	9/27/2019 3:32:30 AM
cis-1,2-Dichloroethene	30.5	1.07	D	mg/Kg-dry	100	9/27/2019 1:31:56 AM
Trichloroethene (TCE)	28.7	1.07	D	mg/Kg-dry	100	9/27/2019 1:31:56 AM
Tetrachloroethene (PCE)	8,960	267	D	mg/Kg-dry	20000	9/27/2019 9:04:11 AM
Surr: Dibromofluoromethane	89.9	56.5 - 129	D	%Rec	10	9/27/2019 3:32:30 AM
Surr: Toluene-d8	90.8	64.5 - 151	D	%Rec	10	9/27/2019 3:32:30 AM
Surr: 1-Bromo-4-fluorobenzene	102	54.8 - 168	D	%Rec	10	9/27/2019 3:32:30 AM
Sample Moisture (Percent Moisture)				Batch ID: R54158		Analyst: ZR
Percent Moisture	10.5	0.500		wt%	1	9/26/2019 9:42:39 AM

Analytical Report

Work Order: **1909407**
Date Reported: **9/27/2019**

CLIENT: PES Environmental, Inc.
Project: American Linen

Lab ID: 1909407-003 **Collection Date:** 9/25/2019 11:05:00 AM
Client Sample ID: **MW-180-27** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25945		Analyst: CR
Vinyl chloride	ND	0.123	D	mg/Kg-dry	10	9/27/2019 1:01:46 AM
cis-1,2-Dichloroethene	0.107	0.0984	D	mg/Kg-dry	10	9/27/2019 1:01:46 AM
Trichloroethene (TCE)	ND	0.0984	D	mg/Kg-dry	10	9/27/2019 1:01:46 AM
Tetrachloroethene (PCE)	12.8	1.23	D	mg/Kg-dry	100	9/27/2019 7:33:41 AM
Surr: Dibromofluoromethane	95.5	56.5 - 129	D	%Rec	10	9/27/2019 1:01:46 AM
Surr: Toluene-d8	95.8	64.5 - 151	D	%Rec	10	9/27/2019 1:01:46 AM
Surr: 1-Bromo-4-fluorobenzene	100	54.8 - 168	D	%Rec	10	9/27/2019 1:01:46 AM
Sample Moisture (Percent Moisture)				Batch ID: R54158		Analyst: ZR
Percent Moisture	9.06	0.500		wt%	1	9/26/2019 9:42:39 AM

Work Order: 1909407
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-25945** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/26/2019** RunNo: **54189**
Client ID: **LCSS** Batch ID: **25945** Analysis Date: **9/26/2019** SeqNo: **1073376**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.05	0.0250	1.000	0	105	43.4	151				
cis-1,2-Dichloroethene	0.965	0.0200	1.000	0	96.5	71.3	135				
Trichloroethene (TCE)	0.977	0.0200	1.000	0	97.7	65.5	137				
Tetrachloroethene (PCE)	0.996	0.0250	1.000	0	99.6	52.7	150				
Surr: Dibromofluoromethane	1.18		1.250		94.0	56.5	129				
Surr: Toluene-d8	1.21		1.250		97.0	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.24		1.250		99.5	54.8	168				

Sample ID: **MB-25945** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/26/2019** RunNo: **54189**
Client ID: **MBLKS** Batch ID: **25945** Analysis Date: **9/26/2019** SeqNo: **1073377**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
cis-1,2-Dichloroethene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0250									
Surr: Dibromofluoromethane	1.13		1.250		90.7	56.5	129				
Surr: Toluene-d8	1.20		1.250		96.1	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.20		1.250		96.2	54.8	168				

Sample ID: **1909396-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/26/2019** RunNo: **54189**
Client ID: **BATCH** Batch ID: **25945** Analysis Date: **9/26/2019** SeqNo: **1073351**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0276						0	0	30	
cis-1,2-Dichloroethene	ND	0.0221						0	0	30	
Trichloroethene (TCE)	ND	0.0221						0	0	30	
Tetrachloroethene (PCE)	ND	0.0276						0	0	30	
Surr: Dibromofluoromethane	1.26		1.379		91.3	56.5	129		0		
Surr: Toluene-d8	1.31		1.379		95.2	64.5	151		0		

Work Order: 1909407
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **1909396-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/26/2019** RunNo: **54189**
Client ID: **BATCH** Batch ID: **25945** Analysis Date: **9/26/2019** SeqNo: **1073351**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1-Bromo-4-fluorobenzene	1.35		1.379		97.8	54.8	168		0		

Sample ID: **1909396-002BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/26/2019** RunNo: **54189**
Client ID: **BATCH** Batch ID: **25945** Analysis Date: **9/26/2019** SeqNo: **1073353**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.69	0.0311	1.245	0	136	43.6	150				
cis-1,2-Dichloroethene	1.48	0.0249	1.245	0	119	58.6	136				
Trichloroethene (TCE)	1.55	0.0249	1.245	0	125	61.6	147				
Tetrachloroethene (PCE)	1.59	0.0311	1.245	0	128	35.6	158				
Surr: Dibromofluoromethane	1.45		1.556		92.9	56.5	129				
Surr: Toluene-d8	1.50		1.556		96.3	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.54		1.556		98.7	54.8	168				

Sample ID: **1909396-002BMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **9/26/2019** RunNo: **54189**
Client ID: **BATCH** Batch ID: **25945** Analysis Date: **9/26/2019** SeqNo: **1073354**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.65	0.0311	1.245	0	133	43.6	150	1.694	2.43	30	
cis-1,2-Dichloroethene	1.47	0.0249	1.245	0	118	58.6	136	1.483	1.19	30	
Trichloroethene (TCE)	1.53	0.0249	1.245	0	123	61.6	147	1.552	1.21	30	
Tetrachloroethene (PCE)	1.56	0.0311	1.245	0	125	35.6	158	1.589	1.72	30	
Surr: Dibromofluoromethane	1.47		1.556		94.4	56.5	129		0		
Surr: Toluene-d8	1.51		1.556		96.8	64.5	151		0		
Surr: 1-Bromo-4-fluorobenzene	1.52		1.556		97.6	54.8	168		0		

Work Order: 1909407
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **1909378-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/26/2019** RunNo: **54189**
Client ID: **BATCH** Batch ID: **25945** Analysis Date: **9/26/2019** SeqNo: **1073345**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0316						0	0	30	
cis-1,2-Dichloroethene	ND	0.0253						0	0	30	
Trichloroethene (TCE)	ND	0.0253						0	0	30	
Tetrachloroethene (PCE)	ND	0.0316						0	0	30	
Surr: Dibromofluoromethane	1.49		1.581		94.3	56.5	129		0		
Surr: Toluene-d8	1.54		1.581		97.2	64.5	151		0		
Surr: 1-Bromo-4-fluorobenzene	1.52		1.581		96.5	54.8	168		0		

Work Order: 1909407
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Sample Moisture (Percent Moisture)

Sample ID: **1909396-012ADUP** SampType: **DUP** Units: **wt%** Prep Date: **9/26/2019** RunNo: **54158**
Client ID: **BATCH** Batch ID: **R54158** Analysis Date: **9/26/2019** SeqNo: **1072725**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	6.80	0.500						6.279	8.01	20	

Sample Log-In Check List

Client Name:	**PES**	Work Order Number:	**1909407**
Logged by:	**Carissa True**	Date Received:	**9/25/2019 4:25:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Required ☑
6.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
7.	Were all items received at a temperature of >0°C to 10.0°C *	Yes ☑	No ☐	NA ☐
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Cooler 1	4.1
Sample 1	9.9

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 9/25/19 Page: 1 of: 1

Laboratory Project No (internal): 1909407

Project Name: AMERICAN LINEN

Special Remarks: Select List VOCs: PCE, TCE, cis-1,2-DCE, VC

Client: PES Environmental

Project No: 1413.001.05.310

Address: SEATTLE

Collected by: HW Small

City, State, Zip: 1215 4th Ave Suite 1350

Location: 700 DEXTER AVE N. SEATTLE WA

Telephone: 206-529-3980

Report To (PM): ONEIL/HALSEMAN

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax: 206-529-3985

PM Email: BONEAL@PESENV.COM

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T)	Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	MW-180-40	9/25	835	Soil	X														
2	MW-180-24	↓	1100	↓	X														
3	MW-180-27	↓	1105	↓	X														
4																			
5																			
6																			
7																			
8																			
9																			
10																			

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished	Date/Time	Received	Date/Time
x HW Small	9/25/19 1605	x [signature]	9/25/19 1605
x [signature]	9/25/19 1624	x [signature]	9/25/19 @ 1625

Turn-around Time:

- ☐ Standard
- ☐ 3 Day
- ☒ 2 Day
- ☐ Next Day
- Same Day _____ (specify)

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Brian O'Neal
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: American Linen
Work Order Number: 1909439

September 30, 2019

Attention Brian O'Neal:

Fremont Analytical, Inc. received 3 sample(s) on 9/26/2019 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:
Dan Balbiani
Karsten Springstead
Kim Vik

Date: *09/30/2019*

CLIENT: PES Environmental, Inc.
Project: American Linen
Work Order: 1909439

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1909439-001	MW-172-7	09/26/2019 12:20 PM	09/26/2019 4:43 PM
1909439-002	MW-183-18	09/26/2019 12:25 PM	09/26/2019 4:43 PM
1909439-003	MW-184-20	09/26/2019 4:00 PM	09/26/2019 4:43 PM

Case Narrative

WO#: **1909439**
Date: **9/30/2019**

CLIENT: PES Environmental, Inc.
Project: American Linen

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

CLIENT: PES Environmental, Inc.
Project: American Linen

Lab ID: 1909439-001 **Collection Date:** 9/26/2019 12:20:00 PM
Client Sample ID: **MW-172-7** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25964		Analyst: KT
Vinyl chloride	ND	0.235	D	mg/Kg-dry	10	9/27/2019 3:13:06 PM
cis-1,2-Dichloroethene	ND	0.188	D	mg/Kg-dry	10	9/27/2019 3:13:06 PM
Trichloroethene (TCE)	ND	0.188	D	mg/Kg-dry	10	9/27/2019 3:13:06 PM
Tetrachloroethene (PCE)	ND	0.235	D	mg/Kg-dry	10	9/27/2019 3:13:06 PM
Surr: Dibromofluoromethane	97.6	56.5 - 129	D	%Rec	10	9/27/2019 3:13:06 PM
Surr: Toluene-d8	98.5	64.5 - 151	D	%Rec	10	9/27/2019 3:13:06 PM
Surr: 1-Bromo-4-fluorobenzene	92.8	54.8 - 168	D	%Rec	10	9/27/2019 3:13:06 PM
Sample Moisture (Percent Moisture)				Batch ID: R54188		Analyst: ZR
Percent Moisture	7.55	0.500		wt%	1	9/27/2019 10:28:04 AM

Lab ID: 1909439-002 **Collection Date:** 9/26/2019 12:25:00 PM
Client Sample ID: **MW-183-18** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25964		Analyst: KT
Vinyl chloride	ND	0.250	D	mg/Kg-dry	10	9/27/2019 4:13:23 PM
cis-1,2-Dichloroethene	6.92	0.200	D	mg/Kg-dry	10	9/27/2019 4:13:23 PM
Trichloroethene (TCE)	ND	0.200	D	mg/Kg-dry	10	9/27/2019 4:13:23 PM
Tetrachloroethene (PCE)	ND	0.250	D	mg/Kg-dry	10	9/27/2019 4:13:23 PM
Surr: Dibromofluoromethane	98.9	56.5 - 129	D	%Rec	10	9/27/2019 4:13:23 PM
Surr: Toluene-d8	98.7	64.5 - 151	D	%Rec	10	9/27/2019 4:13:23 PM
Surr: 1-Bromo-4-fluorobenzene	90.1	54.8 - 168	D	%Rec	10	9/27/2019 4:13:23 PM
Sample Moisture (Percent Moisture)				Batch ID: R54188		Analyst: ZR
Percent Moisture	9.32	0.500		wt%	1	9/27/2019 10:28:04 AM

Analytical Report

Work Order: **1909439**
Date Reported: **9/30/2019**

CLIENT: PES Environmental, Inc.
Project: American Linen

Lab ID: 1909439-003 **Collection Date:** 9/26/2019 4:00:00 PM
Client Sample ID: **MW-184-20** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25964		Analyst: KT
Vinyl chloride	ND	0.273	D	mg/Kg-dry	10	9/27/2019 4:43:29 PM
cis-1,2-Dichloroethene	1.32	0.218	D	mg/Kg-dry	10	9/27/2019 4:43:29 PM
Trichloroethene (TCE)	ND	0.218	D	mg/Kg-dry	10	9/27/2019 4:43:29 PM
Tetrachloroethene (PCE)	ND	0.273	D	mg/Kg-dry	10	9/27/2019 4:43:29 PM
Surr: Dibromofluoromethane	98.0	56.5 - 129	D	%Rec	10	9/27/2019 4:43:29 PM
Surr: Toluene-d8	98.7	64.5 - 151	D	%Rec	10	9/27/2019 4:43:29 PM
Surr: 1-Bromo-4-fluorobenzene	92.5	54.8 - 168	D	%Rec	10	9/27/2019 4:43:29 PM
Sample Moisture (Percent Moisture)				Batch ID: R54216		Analyst: EAS
Percent Moisture	8.98	0.500		wt%	1	9/30/2019 8:58:07 AM

Work Order: 1909439
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-25964** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/27/2019** RunNo: **54229**
Client ID: **LCSS** Batch ID: **25964** Analysis Date: **9/27/2019** SeqNo: **1074059**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.985	0.0250	1.000	0	98.5	43.4	151				
cis-1,2-Dichloroethene	1.02	0.0200	1.000	0	102	71.3	135				
Trichloroethene (TCE)	0.987	0.0200	1.000	0	98.7	65.5	137				
Tetrachloroethene (PCE)	0.990	0.0250	1.000	0	99.0	52.7	150				
Surr: Dibromofluoromethane	1.23		1.250		98.7	56.5	129				
Surr: Toluene-d8	1.23		1.250		98.1	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.47		1.250		117	54.8	168				

Sample ID: **MB-25964** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/27/2019** RunNo: **54229**
Client ID: **MBLKS** Batch ID: **25964** Analysis Date: **9/27/2019** SeqNo: **1074060**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
cis-1,2-Dichloroethene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0250									
Surr: Dibromofluoromethane	1.19		1.250		95.5	56.5	129				
Surr: Toluene-d8	1.21		1.250		96.9	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.25		1.250		99.7	54.8	168				

Sample ID: **1909439-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/27/2019** RunNo: **54229**
Client ID: **MW-172-7** Batch ID: **25964** Analysis Date: **9/27/2019** SeqNo: **1074032**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.235						0	0	30	D
cis-1,2-Dichloroethene	ND	0.188						0	0	30	D
Trichloroethene (TCE)	ND	0.188						0	0	30	D
Tetrachloroethene (PCE)	ND	0.235						0	0	30	D
Surr: Dibromofluoromethane	11.6		11.74		98.7	56.5	129		0		D
Surr: Toluene-d8	11.6		11.74		99.1	64.5	151		0		D

Work Order: 1909439
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **1909439-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/27/2019** RunNo: **54229**
Client ID: **MW-172-7** Batch ID: **25964** Analysis Date: **9/27/2019** SeqNo: **1074032**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1-Bromo-4-fluorobenzene	10.9		11.74		93.2	54.8	168		0		D

Sample ID: **1909439-002BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/27/2019** RunNo: **54229**
Client ID: **MW-183-18** Batch ID: **25964** Analysis Date: **9/27/2019** SeqNo: **1074035**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	11.1	0.250	9.986	0	111	43.6	150				D
cis-1,2-Dichloroethene	17.3	0.200	9.986	6.919	104	58.6	136				D
Trichloroethene (TCE)	9.69	0.200	9.986	0	97.1	61.6	147				D
Tetrachloroethene (PCE)	9.79	0.250	9.986	0	98.1	35.6	158				D
Surr: Dibromofluoromethane	12.6		12.48		101	56.5	129				D
Surr: Toluene-d8	12.5		12.48		99.9	64.5	151				D
Surr: 1-Bromo-4-fluorobenzene	13.6		12.48		109	54.8	168				D

Sample ID: **1909439-002BMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **9/27/2019** RunNo: **54229**
Client ID: **MW-183-18** Batch ID: **25964** Analysis Date: **9/27/2019** SeqNo: **1074036**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	10.9	0.250	9.986	0	109	43.6	150	11.11	2.00	30	D
cis-1,2-Dichloroethene	17.0	0.200	9.986	6.919	101	58.6	136	17.27	1.56	30	D
Trichloroethene (TCE)	9.43	0.200	9.986	0	94.4	61.6	147	9.693	2.76	30	D
Tetrachloroethene (PCE)	9.47	0.250	9.986	0	94.8	35.6	158	9.792	3.38	30	D
Surr: Dibromofluoromethane	12.5		12.48		100	56.5	129		0		D
Surr: Toluene-d8	12.4		12.48		99.1	64.5	151		0		D
Surr: 1-Bromo-4-fluorobenzene	13.4		12.48		107	54.8	168		0		D

Work Order: 1909439
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **1909452-012BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/27/2019** RunNo: **54229**
Client ID: **BATCH** Batch ID: **25964** Analysis Date: **9/28/2019** SeqNo: **1074050**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0316						0	0	30	
cis-1,2-Dichloroethene	ND	0.0252						0	0	30	
Trichloroethene (TCE)	ND	0.0252						0	0	30	
Tetrachloroethene (PCE)	ND	0.0316						0	0	30	
Surr: Dibromofluoromethane	1.49		1.578		94.3	56.5	129		0		
Surr: Toluene-d8	1.52		1.578		96.4	64.5	151		0		
Surr: 1-Bromo-4-fluorobenzene	1.58		1.578		100	54.8	168		0		

Work Order: 1909439
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Sample Moisture (Percent Moisture)

Sample ID: **1909411-001ADUP** SampType: **DUP** Units: **wt%** Prep Date: **9/27/2019** RunNo: **54188**
Client ID: **BATCH** Batch ID: **R54188** Analysis Date: **9/27/2019** SeqNo: **1073321**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	7.30	0.500						7.109	2.70	20	

Sample ID: **1909439-001ADUP** SampType: **DUP** Units: **wt%** Prep Date: **9/27/2019** RunNo: **54188**
Client ID: **MW-172-7** Batch ID: **R54188** Analysis Date: **9/27/2019** SeqNo: **1073340**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	7.25	0.500						7.554	4.12	20	

Sample ID: **1909452-001ADUP** SampType: **DUP** Units: **wt%** Prep Date: **9/30/2019** RunNo: **54216**
Client ID: **BATCH** Batch ID: **R54216** Analysis Date: **9/30/2019** SeqNo: **1073825**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	6.93	0.500						6.958	0.411	20	

Sample ID: **1909453-002ADUP** SampType: **DUP** Units: **wt%** Prep Date: **9/30/2019** RunNo: **54216**
Client ID: **BATCH** Batch ID: **R54216** Analysis Date: **9/30/2019** SeqNo: **1073840**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	5.89	0.500						5.035	15.6	20	

Sample Log-In Check List

Client Name:	**PES**	Work Order Number:	**1909439**
Logged by:	**Carissa True**	Date Received:	**9/26/2019 4:43:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Required ☑
6.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
7.	Were all items received at a temperature of >0°C to 10.0°C *	Yes ☐	No ☑	NA ☐
	Samples received straight from field			
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Cooler 1	8.6
Sample 1	12.8

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 9/26/19 Page: 1 of: 1

Laboratory Project No (internal): 1909439

Project Name: American Linen

Special Remarks: SELECT LIST: PCE, TCE, cis-DCE, VC

Project No: 1413.001.05.310

Client: PES Environmental

Collected by: HRC

Address: 1215 4th Ave #1350

Location: Seattle, WA

City, State, Zip: Seattle, WA 98161

Report To (PM): Brian O'Neal

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Telephone: (206) 529-3980

PM Email: BONEAL@PESENV.COM

Fax: (206) 529-3985

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	MW-172-7	9/26/19	1220	S	X													
2	MW-183-18	"	1225	"	X													
3	MW-184-20	"	1600	"	X													
4																		
5																		
6																		
7																		
8																		
9																		
10																		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:
- ☐ Standard
- ☐ 3 Day
- ☒ 2 Day
- ☐ Next Day
- Same Day _____ (specify)

Relinquished	Date/Time	Received	Date/Time
x Joseph Cdm	9/26/19 1643	x	9/26/19 1643
Relinquished	Date/Time	Received	Date/Time
x		x	

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Brian O'Neal
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: American Linen
Work Order Number: 1909454

October 01, 2019

Attention Brian O'Neal:

Fremont Analytical, Inc. received 2 sample(s) on 9/27/2019 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:
Dan Balbiani
Karsten Springstead
Kim Vik

Date: *10/01/2019*

CLIENT: PES Environmental, Inc.
Project: American Linen
Work Order: 1909454

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1909454-001	CA-B19-30	09/27/2019 9:25 AM	09/27/2019 3:57 PM
1909454-002	MW-181-14	09/27/2019 10:55 AM	09/27/2019 3:57 PM

Case Narrative

WO#: **1909454**
Date: **10/1/2019**

CLIENT: PES Environmental, Inc.
Project: American Linen

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

CLIENT: PES Environmental, Inc.
Project: American Linen

Lab ID: 1909454-001 **Collection Date:** 9/27/2019 9:25:00 AM
Client Sample ID: **CA-B19-30** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25976		Analyst: KT
Vinyl chloride	ND	0.115	D	mg/Kg-dry	10	9/30/2019 4:47:36 PM
cis-1,2-Dichloroethene	ND	0.0918	D	mg/Kg-dry	10	9/30/2019 4:47:36 PM
Trichloroethene (TCE)	ND	0.0918	D	mg/Kg-dry	10	9/30/2019 4:47:36 PM
Tetrachloroethene (PCE)	0.255	0.115	D	mg/Kg-dry	10	9/30/2019 4:47:36 PM
Surr: Dibromofluoromethane	95.8	56.5 - 129	D	%Rec	10	9/30/2019 4:47:36 PM
Surr: Toluene-d8	96.3	64.5 - 151	D	%Rec	10	9/30/2019 4:47:36 PM
Surr: 1-Bromo-4-fluorobenzene	97.6	54.8 - 168	D	%Rec	10	9/30/2019 4:47:36 PM
Sample Moisture (Percent Moisture)				Batch ID: R54279		Analyst: EAS
Percent Moisture	11.7	0.500		wt%	1	10/1/2019 11:44:27 AM

Lab ID: 1909454-002 **Collection Date:** 9/27/2019 10:55:00 AM
Client Sample ID: **MW-181-14** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25976		Analyst: KT
Vinyl chloride	ND	0.270	D	mg/Kg-dry	10	9/30/2019 11:18:19 PM
cis-1,2-Dichloroethene	ND	0.216	D	mg/Kg-dry	10	9/30/2019 11:18:19 PM
Trichloroethene (TCE)	ND	0.216	D	mg/Kg-dry	10	9/30/2019 11:18:19 PM
Tetrachloroethene (PCE)	ND	0.270	D	mg/Kg-dry	10	9/30/2019 11:18:19 PM
Surr: Dibromofluoromethane	94.2	56.5 - 129	D	%Rec	10	9/30/2019 11:18:19 PM
Surr: Toluene-d8	94.7	64.5 - 151	D	%Rec	10	9/30/2019 11:18:19 PM
Surr: 1-Bromo-4-fluorobenzene	102	54.8 - 168	D	%Rec	10	9/30/2019 11:18:19 PM
Sample Moisture (Percent Moisture)				Batch ID: R54279		Analyst: EAS
Percent Moisture	7.58	0.500		wt%	1	10/1/2019 11:44:27 AM

Work Order: 1909454
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-25976** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/30/2019** RunNo: **54266**
Client ID: **LCSS** Batch ID: **25976** Analysis Date: **9/30/2019** SeqNo: **1074785**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.877	0.0250	1.000	0	87.7	43.4	151				
cis-1,2-Dichloroethene	0.949	0.0200	1.000	0	94.9	71.3	135				
Trichloroethene (TCE)	0.966	0.0200	1.000	0	96.6	65.5	137				
Tetrachloroethene (PCE)	1.01	0.0250	1.000	0	101	52.7	150				
Surr: Dibromofluoromethane	1.18		1.250		94.1	56.5	129				
Surr: Toluene-d8	1.21		1.250		96.9	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.22		1.250		97.3	54.8	168				

Sample ID: **MB-25976** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/30/2019** RunNo: **54266**
Client ID: **MBLKS** Batch ID: **25976** Analysis Date: **9/30/2019** SeqNo: **1074786**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
cis-1,2-Dichloroethene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0250									
Surr: Dibromofluoromethane	1.13		1.250		90.4	56.5	129				
Surr: Toluene-d8	1.20		1.250		95.8	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.20		1.250		96.0	54.8	168				

Sample ID: **1909453-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/30/2019** RunNo: **54266**
Client ID: **BATCH** Batch ID: **25976** Analysis Date: **9/30/2019** SeqNo: **1074765**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0469						0	0	30	
cis-1,2-Dichloroethene	ND	0.0375						0	0	30	
Trichloroethene (TCE)	ND	0.0375						0	0	30	
Tetrachloroethene (PCE)	ND	0.0469						0	0	30	
Surr: Dibromofluoromethane	2.18		2.346		93.1	56.5	129		0		
Surr: Toluene-d8	2.24		2.346		95.4	64.5	151		0		

Work Order: 1909454
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **1909453-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/30/2019** RunNo: **54266**
Client ID: **BATCH** Batch ID: **25976** Analysis Date: **9/30/2019** SeqNo: **1074765**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1-Bromo-4-fluorobenzene	2.28		2.346		97.3	54.8	168		0		

Sample ID: **1909454-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/30/2019** RunNo: **54266**
Client ID: **CA-B19-30** Batch ID: **25976** Analysis Date: **9/30/2019** SeqNo: **1074777**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.115						0	0	30	D
cis-1,2-Dichloroethene	ND	0.0918						0	0	30	D
Trichloroethene (TCE)	ND	0.0918						0	0	30	D
Tetrachloroethene (PCE)	0.275	0.115						0.2546	7.69	30	D
Surr: Dibromofluoromethane	5.49		5.735		95.7	56.5	129		0		D
Surr: Toluene-d8	5.51		5.735		96.1	64.5	151		0		D
Surr: 1-Bromo-4-fluorobenzene	5.61		5.735		97.8	54.8	168		0		D

Sample ID: **1909454-002BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/30/2019** RunNo: **54266**
Client ID: **MW-181-14** Batch ID: **25976** Analysis Date: **10/1/2019** SeqNo: **1074779**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	11.0	0.270	10.82	0	102	43.6	150				D
cis-1,2-Dichloroethene	10.6	0.216	10.82	0	98.0	58.6	136				D
Trichloroethene (TCE)	10.7	0.216	10.82	0	98.6	61.6	147				D
Tetrachloroethene (PCE)	10.9	0.270	10.82	0	101	35.6	158				D
Surr: Dibromofluoromethane	12.7		13.52		94.3	56.5	129				D
Surr: Toluene-d8	12.8		13.52		94.7	64.5	151				D
Surr: 1-Bromo-4-fluorobenzene	13.7		13.52		102	54.8	168				D

Work Order: 1909454
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **1909454-002BMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **9/30/2019** RunNo: **54266**
Client ID: **MW-181-14** Batch ID: **25976** Analysis Date: **10/1/2019** SeqNo: **1074780**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	11.5	0.270	10.82	0	106	43.6	150	11.00	4.37	30	D
cis-1,2-Dichloroethene	10.9	0.216	10.82	0	101	58.6	136	10.60	2.87	30	D
Trichloroethene (TCE)	11.0	0.216	10.82	0	101	61.6	147	10.66	2.65	30	D
Tetrachloroethene (PCE)	11.2	0.270	10.82	0	103	35.6	158	10.93	2.24	30	D
Surr: Dibromofluoromethane	12.8		13.52		94.7	56.5	129		0		D
Surr: Toluene-d8	12.9		13.52		95.3	64.5	151		0		D
Surr: 1-Bromo-4-fluorobenzene	13.7		13.52		102	54.8	168		0		D

Work Order: 1909454
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Sample Moisture (Percent Moisture)

Sample ID: **1909450-005ADUP** SampType: **DUP** Units: **wt%** Prep Date: **10/1/2019** RunNo: **54279**
Client ID: **BATCH** Batch ID: **R54279** Analysis Date: **10/1/2019** SeqNo: **1074988**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	8.72	0.500						8.420	3.46	20	

Sample ID: **1909454-002ADUP** SampType: **DUP** Units: **wt%** Prep Date: **10/1/2019** RunNo: **54279**
Client ID: **MW-181-14** Batch ID: **R54279** Analysis Date: **10/1/2019** SeqNo: **1074991**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	7.55	0.500						7.579	0.441	20	

Sample Log-In Check List

Client Name:	**PES**	Work Order Number:	**1909454**
Logged by:	**Carissa True**	Date Received:	**9/27/2019 3:57:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Required ☑
6.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
7.	Were all items received at a temperature of >0°C to 10.0°C *	Yes ☑	No ☐	NA ☐
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Cooler 1	8.6
Sample 1	8.4
Temp Blank 1	9.5

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 9/27/19 Page: 1 of: 1

Laboratory Project No (internal): 1909454

Project Name: American Liner

Special Remarks: SELECT LIST: PCE, TCE, cis-DCE, VC

Client: PES Environmental

Project No: 1413.001.05.310

Address: 12154th Ave #1350

Collected by: KSZ/HRC

City, State, Zip: Seattle, WA 98161

Location: Seattle, WA

Telephone: (206)529-3980

Report To (PM): Brian O'Neal

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax: (206)529-3985

PM Email: BONEAL@PESENV.COM

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	CA-B19-30	9/27/19	925	S	X													
2	MW-181-14	9/27/19	1055	S	X													
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:

- ☐ Standard
- ☐ 3 Day
- ☒ 2 Day
- ☐ Next Day
- Same Day _____ (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished	Date/Time	Received	Date/Time
x Hannah Cohn	9/27/19 1557	x	9/27/19 1557
Relinquished	Date/Time	Received	Date/Time
x		x	

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Brian O'Neal
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: American Linen
Work Order Number: 1909476

October 02, 2019

Attention Brian O'Neal:

Fremont Analytical, Inc. received 2 sample(s) on 9/30/2019 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:
Dan Balbiani
Karsten Springstead
Kim Vik

Date: *10/02/2019*

CLIENT: PES Environmental, Inc.
Project: American Linen
Work Order: 1909476

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1909476-001	CA-B20-31	09/30/2019 9:00 AM	09/30/2019 3:40 PM
1909476-002	B-1001-31	09/30/2019 9:15 AM	09/30/2019 3:40 PM

Case Narrative

WO#: **1909476**

Date: **10/2/2019**

CLIENT: PES Environmental, Inc.

Project: American Linen

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

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B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

CLIENT: PES Environmental, Inc.
Project: American Linen

Lab ID: 1909476-001 **Collection Date:** 9/30/2019 9:00:00 AM
Client Sample ID: **CA-B20-31** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25994		Analyst: KT
Vinyl chloride	ND	0.232	D	mg/Kg-dry	10	10/1/2019 10:26:33 AM
cis-1,2-Dichloroethene	ND	0.186	D	mg/Kg-dry	10	10/1/2019 10:26:33 AM
Trichloroethene (TCE)	ND	0.186	D	mg/Kg-dry	10	10/1/2019 10:26:33 AM
Tetrachloroethene (PCE)	0.141	0.232	JD	mg/Kg-dry	10	10/1/2019 10:26:33 AM
Surr: Dibromofluoromethane	89.0	56.5 - 129	D	%Rec	10	10/1/2019 10:26:33 AM
Surr: Toluene-d8	94.4	64.5 - 151	D	%Rec	10	10/1/2019 10:26:33 AM
Surr: 1-Bromo-4-fluorobenzene	96.0	54.8 - 168	D	%Rec	10	10/1/2019 10:26:33 AM
Sample Moisture (Percent Moisture)				Batch ID: R54306		Analyst: ZR
Percent Moisture	14.9	0.500		wt%	1	10/2/2019 10:20:46 AM

Lab ID: 1909476-002 **Collection Date:** 9/30/2019 9:15:00 AM
Client Sample ID: **B-1001-31** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 25994		Analyst: KT
Vinyl chloride	ND	0.254	D	mg/Kg-dry	10	10/1/2019 10:56:41 AM
cis-1,2-Dichloroethene	ND	0.203	D	mg/Kg-dry	10	10/1/2019 10:56:41 AM
Trichloroethene (TCE)	ND	0.203	D	mg/Kg-dry	10	10/1/2019 10:56:41 AM
Tetrachloroethene (PCE)	0.125	0.254	JD	mg/Kg-dry	10	10/1/2019 10:56:41 AM
Surr: Dibromofluoromethane	90.6	56.5 - 129	D	%Rec	10	10/1/2019 10:56:41 AM
Surr: Toluene-d8	95.8	64.5 - 151	D	%Rec	10	10/1/2019 10:56:41 AM
Surr: 1-Bromo-4-fluorobenzene	95.6	54.8 - 168	D	%Rec	10	10/1/2019 10:56:41 AM
Sample Moisture (Percent Moisture)				Batch ID: R54306		Analyst: ZR
Percent Moisture	13.1	0.500		wt%	1	10/2/2019 10:20:46 AM

Work Order: 1909476
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-25994**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **10/1/2019**	RunNo: **54298**
Client ID: **LCSS**	Batch ID: **25994**		Analysis Date: **10/1/2019**	SeqNo: **1075490**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.995	0.0250	1.000	0	99.5	43.4	151				
cis-1,2-Dichloroethene	0.965	0.0200	1.000	0	96.5	71.3	135				
Trichloroethene (TCE)	0.981	0.0200	1.000	0	98.1	65.5	137				
Tetrachloroethene (PCE)	1.02	0.0250	1.000	0	102	52.7	150				
Surr: Dibromofluoromethane	1.15		1.250		92.0	56.5	129				
Surr: Toluene-d8	1.19		1.250		94.8	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.22		1.250		98.0	54.8	168				

Sample ID: **MB-25994**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **10/1/2019**	RunNo: **54298**
Client ID: **MBLKS**	Batch ID: **25994**		Analysis Date: **10/1/2019**	SeqNo: **1075491**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
cis-1,2-Dichloroethene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0250									
Surr: Dibromofluoromethane	1.10		1.250		87.9	56.5	129				
Surr: Toluene-d8	1.17		1.250		93.3	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.20		1.250		95.8	54.8	168				

Sample ID: **1909476-002BDUP**	SampType: **DUP**	Units: **mg/Kg-dry**	Prep Date: **10/1/2019**	RunNo: **54298**
Client ID: **B-1001-31**	Batch ID: **25994**		Analysis Date: **10/1/2019**	SeqNo: **1075486**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.254						0	0	30	D
cis-1,2-Dichloroethene	ND	0.203						0	0	30	D
Trichloroethene (TCE)	ND	0.203						0	0	30	D
Tetrachloroethene (PCE)	0.108	0.254						0.1250	14.6	30	JD
Surr: Dibromofluoromethane	11.4		12.70		90.0	56.5	129		0		D
Surr: Toluene-d8	12.0		12.70		94.2	64.5	151		0		D

Work Order: 1909476
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **1909476-002BDUP**	SampType: **DUP**	Units: **mg/Kg-dry**	Prep Date: **10/1/2019**	RunNo: **54298**
Client ID: **B-1001-31**	Batch ID: **25994**		Analysis Date: **10/1/2019**	SeqNo: **1075486**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1-Bromo-4-fluorobenzene	12.2		12.70		96.0	54.8	168		0		D

Sample ID: **1909469-001BDUP**	SampType: **DUP**	Units: **mg/Kg**	Prep Date: **10/1/2019**	RunNo: **54298**
Client ID: **BATCH**	Batch ID: **25994**		Analysis Date: **10/1/2019**	SeqNo: **1075465**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0290						0	0	30	
cis-1,2-Dichloroethene	ND	0.0232						0	0	30	
Trichloroethene (TCE)	ND	0.0232						0	0	30	
Tetrachloroethene (PCE)	ND	0.0290						0	0	30	
Surr: Dibromofluoromethane	1.32		1.451		91.3	56.5	129		0		
Surr: Toluene-d8	1.36		1.451		93.9	64.5	151		0		
Surr: 1-Bromo-4-fluorobenzene	1.39		1.451		95.8	54.8	168		0		

Sample ID: **1909469-008BMS**	SampType: **MS**	Units: **mg/Kg**	Prep Date: **10/1/2019**	RunNo: **54298**
Client ID: **BATCH**	Batch ID: **25994**		Analysis Date: **10/1/2019**	SeqNo: **1075467**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.51	0.0354	1.415	0	107	43.6	150				
cis-1,2-Dichloroethene	1.46	0.0283	1.415	0	103	58.6	136				
Trichloroethene (TCE)	1.51	0.0283	1.415	0	107	61.6	147				
Tetrachloroethene (PCE)	1.56	0.0354	1.415	0	111	35.6	158				
Surr: Dibromofluoromethane	1.68		1.769		95.1	56.5	129				
Surr: Toluene-d8	1.70		1.769		96.2	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.74		1.769		98.4	54.8	168				

Work Order: 1909476
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **1909469-008BMSD** SampType: **MSD** Units: **mg/Kg** Prep Date: **10/1/2019** RunNo: **54298**
Client ID: **BATCH** Batch ID: **25994** Analysis Date: **10/1/2019** SeqNo: **1075468**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.43	0.0354	1.415	0	101	43.6	150	1.513	5.90	30	
cis-1,2-Dichloroethene	1.43	0.0283	1.415	0	101	58.6	136	1.460	2.27	30	
Trichloroethene (TCE)	1.43	0.0283	1.415	0	101	61.6	147	1.509	5.11	30	
Tetrachloroethene (PCE)	1.52	0.0354	1.415	0	107	35.6	158	1.564	2.82	30	
Surr: Dibromofluoromethane	1.65		1.769		93.5	56.5	129		0		
Surr: Toluene-d8	1.69		1.769		95.4	64.5	151		0		
Surr: 1-Bromo-4-fluorobenzene	1.75		1.769		99.0	54.8	168		0		

Work Order: 1909476
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Sample Moisture (Percent Moisture)

Sample ID: **1909466-014ADUP** SampType: **DUP** Units: **wt%** Prep Date: **10/2/2019** RunNo: **54306**
Client ID: **BATCH** Batch ID: **R54306** Analysis Date: **10/2/2019** SeqNo: **1075681**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	7.76	0.500						7.657	1.29	20	

Sample ID: **1910016-028ADUP** SampType: **DUP** Units: **wt%** Prep Date: **10/2/2019** RunNo: **54306**
Client ID: **BATCH** Batch ID: **R54306** Analysis Date: **10/2/2019** SeqNo: **1075720**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	11.8	0.500						11.65	1.62	20	

Sample Log-In Check List

Client Name:	**PES**	Work Order Number:	**1909476**
Logged by:	**Clare Griggs**	Date Received:	**9/30/2019 3:40:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐	
2.	How was the sample delivered?	Client			

Log In

3.	Coolers are present?	Yes ☐	No ☑	NA ☐	
		No cooler present.			
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐		
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Required ☑	
6.	Was an attempt made to cool the samples?	Yes ☐	No ☑	NA ☐	
		Unknown prior to receipt.			
7.	Were all items received at a temperature of >0°C to 10.0°C *	Yes ☐	No ☑	NA ☐	
		Refer to item information.			
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐		
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐		
10.	Are samples properly preserved?	Yes ☑	No ☐		
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐	
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑	
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐		
14.	Does paperwork match bottle labels?	Yes ☑	No ☐		
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐		
16.	Is it clear what analyses were requested?	Yes ☑	No ☐		
17.	Were all holding times able to be met?	Yes ☑	No ☐		

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑	

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample	12.6

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 9/30/2019 Page: 1 of: 1

Laboratory Project No (internal): 1909476

Project Name: AMERICAN LINEN

Special Remarks: Select List VOCs: PCE, TCE, CIS-1,2 DCE, VC

Project No: 1413.001.05.310

Client: PES ENVIRONMENTAL, INC.

Collected by: K. Zeggs

Address: 1215 4th Ave, Ste. 1350

Location: Seattle, WA

City, State, Zip: Seattle, WA 98161

Report To (PM): B. O'NEAL

Telephone: 206 529 3980

PM Email: BONEAL@PESENV.COM

Fax: 206 529 3985

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	CA-B20-31	9/30/19	0900	S	X													
2	~~CA-1001-31~~	↓	0915	S	X		(X2)											
3	B-1001-31	9/30/19	0915	S	X													
4																		
5																		
6																		
7																		
8																		
9																		
10																		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished	Date/Time	Received	Date/Time
x ~~DK~~ SBS	9/30/19 1540	x	9/30/19 1540
Relinquished	Date/Time	Received	Date/Time
x		x	

Turn-around Time:

- ☐ Standard
- ☐ 3 Day
- ☒ ~~2 Day~~
- ☐ Next Day
- Same Day _____ (specify)

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Brian O'Neal
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: American Linen
Work Order Number: 1910022

October 03, 2019

Attention Brian O'Neal:

Fremont Analytical, Inc. received 1 sample(s) on 10/1/2019 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:
Dan Balbiani
Karsten Springstead
Kim Vik

Date: *10/03/2019*

CLIENT: PES Environmental, Inc.
Project: American Linen
Work Order: 1910022

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1910022-001	MW-188-64	10/01/2019 10:10 AM	10/01/2019 3:50 PM

Case Narrative

WO#: **1910022**
Date: **10/3/2019**

CLIENT: PES Environmental, Inc.
Project: American Linen

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **1910022**
Date Reported: **10/3/2019**

CLIENT: PES Environmental, Inc.
Project: American Linen

Lab ID: 1910022-001 **Collection Date:** 10/1/2019 10:10:00 AM
Client Sample ID: **MW-188-64** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 26018		Analyst: KT
Vinyl chloride	ND	0.251	D	mg/Kg-dry	10	10/3/2019 1:41:29 AM
cis-1,2-Dichloroethene	ND	0.200	D	mg/Kg-dry	10	10/3/2019 1:41:29 AM
Trichloroethene (TCE)	ND	0.200	D	mg/Kg-dry	10	10/3/2019 1:41:29 AM
Tetrachloroethene (PCE)	ND	0.251	D	mg/Kg-dry	10	10/3/2019 1:41:29 AM
Surr: Dibromofluoromethane	94.4	56.5 - 129	D	%Rec	10	10/3/2019 1:41:29 AM
Surr: Toluene-d8	101	64.5 - 151	D	%Rec	10	10/3/2019 1:41:29 AM
Surr: 1-Bromo-4-fluorobenzene	99.0	54.8 - 168	D	%Rec	10	10/3/2019 1:41:29 AM
Sample Moisture (Percent Moisture)				Batch ID: R54329		Analyst: EAS
Percent Moisture	12.6	0.500		wt%	1	10/3/2019 8:30:42 AM

Work Order: 1910022
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-26018** SampType: **LCS** Units: **mg/Kg** Prep Date: **10/2/2019** RunNo: **54331**
Client ID: **LCSS** Batch ID: **26018** Analysis Date: **10/2/2019** SeqNo: **1076312**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.937	0.0250	1.000	0	93.7	43.4	151				
cis-1,2-Dichloroethene	1.00	0.0200	1.000	0	100	71.3	135				
Trichloroethene (TCE)	0.963	0.0200	1.000	0	96.3	65.5	137				
Tetrachloroethene (PCE)	0.962	0.0250	1.000	0	96.2	52.7	150				
Surr: Dibromofluoromethane	1.37		1.250		110	56.5	129				
Surr: Toluene-d8	1.30		1.250		104	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.27		1.250		102	54.8	168				

Sample ID: **MB-26018** SampType: **MBLK** Units: **mg/Kg** Prep Date: **10/2/2019** RunNo: **54331**
Client ID: **MBLKS** Batch ID: **26018** Analysis Date: **10/2/2019** SeqNo: **1076313**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
cis-1,2-Dichloroethene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0250									
Surr: Dibromofluoromethane	1.23		1.250		98.7	56.5	129				
Surr: Toluene-d8	1.28		1.250		103	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.23		1.250		98.3	54.8	168				

Sample ID: **1910021-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **10/2/2019** RunNo: **54331**
Client ID: **BATCH** Batch ID: **26018** Analysis Date: **10/2/2019** SeqNo: **1076294**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0247						0	0	30	
cis-1,2-Dichloroethene	ND	0.0198						0	0	30	
Trichloroethene (TCE)	ND	0.0198						0	0	30	
Tetrachloroethene (PCE)	ND	0.0247						0	0	30	
Surr: Dibromofluoromethane	1.17		1.237		94.8	56.5	129		0		
Surr: Toluene-d8	1.27		1.237		103	64.5	151		0		

Work Order: 1910022
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **1910021-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **10/2/2019** RunNo: **54331**
Client ID: **BATCH** Batch ID: **26018** Analysis Date: **10/2/2019** SeqNo: **1076294**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1-Bromo-4-fluorobenzene	1.25		1.237		101	54.8	168		0		

Sample ID: **1910021-011BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **10/2/2019** RunNo: **54331**
Client ID: **BATCH** Batch ID: **26018** Analysis Date: **10/3/2019** SeqNo: **1076305**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0255						0	0	30	
cis-1,2-Dichloroethene	ND	0.0204						0	0	30	
Trichloroethene (TCE)	ND	0.0204						0	0	30	
Tetrachloroethene (PCE)	ND	0.0255						0	0	30	
Surr: Dibromofluoromethane	1.21		1.275		94.6	56.5	129		0		
Surr: Toluene-d8	1.32		1.275		104	64.5	151		0		
Surr: 1-Bromo-4-fluorobenzene	1.25		1.275		97.7	54.8	168		0		

Sample ID: **1910022-001BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **10/2/2019** RunNo: **54331**
Client ID: **MW-188-64** Batch ID: **26018** Analysis Date: **10/3/2019** SeqNo: **1076307**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	9.91	0.251	10.02	0	98.9	43.6	150				D
cis-1,2-Dichloroethene	10.7	0.200	10.02	0	107	58.6	136				D
Trichloroethene (TCE)	10.9	0.200	10.02	0	108	61.6	147				D
Tetrachloroethene (PCE)	9.89	0.251	10.02	0	98.7	35.6	158				D
Surr: Dibromofluoromethane	13.1		12.53		105	56.5	129				D
Surr: Toluene-d8	13.1		12.53		104	64.5	151				D
Surr: 1-Bromo-4-fluorobenzene	12.4		12.53		99.2	54.8	168				D

Work Order: 1910022
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **1910022-001BMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **10/2/2019** RunNo: **54331**
Client ID: **MW-188-64** Batch ID: **26018** Analysis Date: **10/3/2019** SeqNo: **1076308**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	9.90	0.251	10.02	0	98.7	43.6	150	9.907	0.121	30	D
cis-1,2-Dichloroethene	11.0	0.200	10.02	0	110	58.6	136	10.74	2.57	30	D
Trichloroethene (TCE)	10.7	0.200	10.02	0	107	61.6	147	10.87	1.72	30	D
Tetrachloroethene (PCE)	9.97	0.251	10.02	0	99.5	35.6	158	9.892	0.810	30	D
Surr: Dibromofluoromethane	12.8		12.53		103	56.5	129		0		D
Surr: Toluene-d8	12.9		12.53		103	64.5	151		0		D
Surr: 1-Bromo-4-fluorobenzene	12.8		12.53		102	54.8	168		0		D

Work Order: 1910022
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Sample Moisture (Percent Moisture)

Sample ID: **1910016-003ADUP** SampType: **DUP** Units: **wt%** Prep Date: **10/3/2019** RunNo: **54329**
Client ID: **BATCH** Batch ID: **R54329** Analysis Date: **10/3/2019** SeqNo: **1076224**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	9.89	0.500						10.42	5.23	20	

Sample ID: **1910018-003ADUP** SampType: **DUP** Units: **wt%** Prep Date: **10/3/2019** RunNo: **54329**
Client ID: **BATCH** Batch ID: **R54329** Analysis Date: **10/3/2019** SeqNo: **1076232**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	9.84	0.500						10.23	3.86	20	

Sample Log-In Check List

Client Name:	**PES**	Work Order Number:	**1910022**
Logged by:	**Carissa True**	Date Received:	**10/1/2019 3:50:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes	☑	No ☐	Not Present	☐
2.	How was the sample delivered?	Client				

Log In

3.	Coolers are present?	Yes	☐	No ☑	NA	☐
	Samples received at appropriate temperature					
4.	Shipping container/cooler in good condition?	Yes	☑	No ☐		
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes	☐	No ☐	Not Required	☑
6.	Was an attempt made to cool the samples?	Yes	☑	No ☐	NA	☐
7.	Were all items received at a temperature of >0°C to 10.0°C *	Yes	☑	No ☐	NA	☐
8.	Sample(s) in proper container(s)?	Yes	☑	No ☐		
9.	Sufficient sample volume for indicated test(s)?	Yes	☑	No ☐		
10.	Are samples properly preserved?	Yes	☑	No ☐		
11.	Was preservative added to bottles?	Yes	☐	No ☑	NA	☐
12.	Is there headspace in the VOA vials?	Yes	☐	No ☐	NA	☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes	☑	No ☐		
14.	Does paperwork match bottle labels?	Yes	☑	No ☐		
15.	Are matrices correctly identified on Chain of Custody?	Yes	☑	No ☐		
16.	Is it clear what analyses were requested?	Yes	☑	No ☐		
17.	Were all holding times able to be met?	Yes	☑	No ☐		

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes	☐	No ☐	NA	☑

Person Notified:		Date:	
By Whom:		Via:	☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:			
Client Instructions:			

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample 1	5.8

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 10-1-2019 Page: 1 of: 1

Laboratory Project No (internal): 1910022

Project Name: AMERICAN LINEN

Special Remarks: SELECT LIST VOC's: PCE, TCE, CIS-1,2 DCE, VC

Project No: 1413.001.05.310

Client: PES ENVIRONMENTAL, INC.

Collected by: K. ZYGAS

Address: 1215 4th Ave, #1350

Location: Seattle, WA

City, State, Zip: SEATTLE, WA 98161

Report To (PM): B. O'NEAL

Telephone: 206 529 3980

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax: 206 529 3985

PM Email: BONEAL@PESENV.COM

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	MW-188-64	10/1/19	1010	S	X													
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished	Date/Time	Received	Date/Time
x [signature]	10/1/19 1550	x [signature]	10/1/19 15:50
Relinquished	Date/Time	Received	Date/Time
x		x	

Turn-around Time:

- ☐ Standard
- ☐ 3 Day
- ☒ 2 Day
- ☐ Next Day
- Same Day _____ (specify)

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Brian O'Neal
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: American Linen
Work Order Number: 1910399

October 24, 2019

Attention Brian O'Neal:

Fremont Analytical, Inc. received 1 sample(s) on 10/22/2019 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:
Dan Balbiani
Karsten Springstead
Kim Vik

Date: *10/24/2019*

CLIENT: PES Environmental, Inc.
Project: American Linen
Work Order: 1910399

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1910399-001	MW-168-15	10/21/2019 12:15 PM	10/22/2019 4:01 PM

Case Narrative

WO#: **1910399**

Date: **10/24/2019**

CLIENT: PES Environmental, Inc.

Project: American Linen

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **1910399**
Date Reported: **10/24/2019**

CLIENT: PES Environmental, Inc.
Project: American Linen

Lab ID: 1910399-001 **Collection Date:** 10/21/2019 12:15:00 PM
Client Sample ID: **MW-168-15** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 26239		Analyst: KT
Vinyl chloride	ND	0.247	D	mg/Kg-dry	10	10/23/2019 8:29:56 PM
cis-1,2-Dichloroethene	5.98	0.198	D	mg/Kg-dry	10	10/23/2019 8:29:56 PM
Trichloroethene (TCE)	3.42	0.198	D	mg/Kg-dry	10	10/23/2019 8:29:56 PM
Tetrachloroethene (PCE)	2.78	0.247	D	mg/Kg-dry	10	10/23/2019 8:29:56 PM
Surr: Dibromofluoromethane	109	78.3 - 116	D	%Rec	10	10/23/2019 8:29:56 PM
Surr: Toluene-d8	104	84.2 - 114	D	%Rec	10	10/23/2019 8:29:56 PM
Surr: 1-Bromo-4-fluorobenzene	105	81.9 - 115	D	%Rec	10	10/23/2019 8:29:56 PM
Sample Moisture (Percent Moisture)				Batch ID: R54766		Analyst: CJ
Percent Moisture	14.9	0.500		wt%	1	10/23/2019 8:13:03 AM

Work Order: 1910399
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-26239**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **10/23/2019**	RunNo: **54799**
Client ID: **LCSS**	Batch ID: **26239**		Analysis Date: **10/23/2019**	SeqNo: **1087160**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.08	0.0250	1.000	0	108	60	139				
cis-1,2-Dichloroethene	1.07	0.0200	1.000	0	107	78.4	120				
Trichloroethene (TCE)	1.10	0.0200	1.000	0	110	76.6	123				
Tetrachloroethene (PCE)	1.03	0.0250	1.000	0	103	78.7	123				
Surr: Dibromofluoromethane	1.44		1.250		115	78.3	116				
Surr: Toluene-d8	1.30		1.250		104	84.2	114				
Surr: 1-Bromo-4-fluorobenzene	1.36		1.250		109	81.9	115				

Sample ID: **MB-26239**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **10/23/2019**	RunNo: **54799**
Client ID: **MBLKS**	Batch ID: **26239**		Analysis Date: **10/23/2019**	SeqNo: **1087161**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
cis-1,2-Dichloroethene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0250									
Surr: Dibromofluoromethane	1.30		1.250		104	78.3	116				
Surr: Toluene-d8	1.30		1.250		104	84.2	114				
Surr: 1-Bromo-4-fluorobenzene	1.34		1.250		107	81.9	115				

Sample ID: **1910399-001BDUP**	SampType: **DUP**	Units: **mg/Kg-dry**	Prep Date: **10/23/2019**	RunNo: **54799**
Client ID: **MW-168-15**	Batch ID: **26239**		Analysis Date: **10/23/2019**	SeqNo: **1087142**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.247						0	0	30	D
cis-1,2-Dichloroethene	5.96	0.198						5.984	0.437	30	D
Trichloroethene (TCE)	3.39	0.198						3.416	0.791	30	D
Tetrachloroethene (PCE)	2.76	0.247						2.777	0.687	30	D
Surr: Dibromofluoromethane	13.7		12.37		111	78.3	116		0		D
Surr: Toluene-d8	12.8		12.37		104	84.2	114		0		D

Work Order: 1910399
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **1910399-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **10/23/2019** RunNo: **54799**
Client ID: **MW-168-15** Batch ID: **26239** Analysis Date: **10/23/2019** SeqNo: **1087142**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1-Bromo-4-fluorobenzene	12.1		12.37		97.6	81.9	115		0		D

Sample ID: **1910399-001BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **10/23/2019** RunNo: **54799**
Client ID: **MW-168-15** Batch ID: **26239** Analysis Date: **10/23/2019** SeqNo: **1087143**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	8.32	0.247	9.897	0	84.1	54.6	148				D
cis-1,2-Dichloroethene	16.1	0.198	9.897	5.984	102	65.4	133				D
Trichloroethene (TCE)	14.1	0.198	9.897	3.416	108	52.2	147				D
Tetrachloroethene (PCE)	12.4	0.247	9.897	2.777	96.8	70.2	130				D
Surr: Dibromofluoromethane	14.3		12.37		116	78.3	116				D
Surr: Toluene-d8	12.9		12.37		104	84.2	114				D
Surr: 1-Bromo-4-fluorobenzene	13.6		12.37		110	81.9	115				D

Sample ID: **1910399-001BMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **10/23/2019** RunNo: **54799**
Client ID: **MW-168-15** Batch ID: **26239** Analysis Date: **10/23/2019** SeqNo: **1087144**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	8.38	0.247	9.897	0	84.7	54.6	148	8.321	0.694	30	D
cis-1,2-Dichloroethene	16.1	0.198	9.897	5.984	102	65.4	133	16.11	0.319	30	D
Trichloroethene (TCE)	13.9	0.198	9.897	3.416	106	52.2	147	14.09	1.02	30	D
Tetrachloroethene (PCE)	12.0	0.247	9.897	2.777	93.0	70.2	130	12.36	3.10	30	D
Surr: Dibromofluoromethane	13.9		12.37		112	78.3	116		0		D
Surr: Toluene-d8	12.3		12.37		99.8	84.2	114		0		D
Surr: 1-Bromo-4-fluorobenzene	13.4		12.37		109	81.9	115		0		D

Work Order: 1910399
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **1910422-011BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **10/23/2019** RunNo: **54799**
Client ID: **BATCH** Batch ID: **26239** Analysis Date: **10/24/2019** SeqNo: **1087156**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0221						0	0	30	
cis-1,2-Dichloroethene	ND	0.0177						0	0	30	
Trichloroethene (TCE)	ND	0.0177						0	0	30	
Tetrachloroethene (PCE)	ND	0.0221						0	0	30	
Surr: Dibromofluoromethane	1.16		1.105		105	78.3	116		0		
Surr: Toluene-d8	1.17		1.105		106	84.2	114		0		
Surr: 1-Bromo-4-fluorobenzene	1.03		1.105		92.9	81.9	115		0		

Work Order: 1910399
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Sample Moisture (Percent Moisture)

Sample ID: **1910311-011ADUP** SampType: **DUP** Units: **wt%** Prep Date: **10/23/2019** RunNo: **54766**
Client ID: **BATCH** Batch ID: **R54766** Analysis Date: **10/23/2019** SeqNo: **1086277**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	19.5	0.500						19.03	2.29	20	

Sample ID: **1910381-005ADUP** SampType: **DUP** Units: **wt%** Prep Date: **10/23/2019** RunNo: **54766**
Client ID: **BATCH** Batch ID: **R54766** Analysis Date: **10/23/2019** SeqNo: **1086289**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	12.8	0.500						14.32	11.5	20	

Sample Log-In Check List

Client Name:	**PES**	Work Order Number:	**1910399**
Logged by:	**Carissa True**	Date Received:	**10/22/2019 4:01:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Required ☑
6.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
7.	Were all items received at a temperature of >0°C to 10.0°C *	Yes ☑	No ☐	NA ☐
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Cooler 1	1.9
Sample 1	2.1
Temp Blank 1	2.3

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 10/22/19 Page: 1 of: 1

Laboratory Project No (internal): 1910399

Project Name: AMERICAN LINEN

Special Remarks: Select List VOC's: PCE, TCE, cis-1,2 DCE, VC

Project No: 1413.001.05.310

Client: PES ENVIRONMENTAL

Collected by: K. Zygas

Address: 1215 4th Ave, #1350

Location: Seattle, WA

City, State, Zip: Seattle, WA 98161

Report To (PM): B. O'NEAL

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Telephone: 206 529 3980

PM Email: B.ONEAL@PESENV.COM

Fax: 206 529 3985

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	MW-168-15	10/21/19	1215	S	X													
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished	Date/Time	Received	Date/Time
x [signature]	10/22/19 1601	x [signature]	10/22/19 @ 1601
Relinquished	Date/Time	Received	Date/Time
x		x	

Turn-around Time:

- ☐ Standard
- ☐ 3 Day
- ☒ 2 Day
- ☐ Next Day
- Same Day _____ (specify)

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Brian O'Neal
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: American Linen
Work Order Number: 1910490

October 30, 2019

Attention Brian O'Neal:

Fremont Analytical, Inc. received 4 sample(s) on 10/28/2019 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:
Dan Balbiani
Karsten Springstead
Kim Vik

Date: *10/30/2019*

CLIENT: PES Environmental, Inc.
Project: American Linen
Work Order: 1910490

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1910490-001	MW-175-12	10/26/2019 1:00 PM	10/28/2019 3:57 PM
1910490-002	B-1002-12	10/26/2019 2:00 PM	10/28/2019 3:57 PM
1910490-003	CA-B18-20	10/26/2019 6:00 PM	10/28/2019 3:57 PM
1910490-004	TB-102819	10/28/2019 3:00 PM	10/28/2019 3:57 PM

Case Narrative

WO#: **1910490**

Date: **10/30/2019**

CLIENT: PES Environmental, Inc.

Project: American Linen

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

CLIENT: PES Environmental, Inc.
Project: American Linen

Lab ID: 1910490-001 **Collection Date:** 10/26/2019 1:00:00 PM
Client Sample ID: **MW-175-12** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 26305		Analyst: CR
Vinyl chloride	ND	0.237	D	mg/Kg-dry	10	10/30/2019 8:27:46 AM
cis-1,2-Dichloroethene	ND	0.190	D	mg/Kg-dry	10	10/30/2019 8:27:46 AM
Trichloroethene (TCE)	ND	0.190	D	mg/Kg-dry	10	10/30/2019 8:27:46 AM
Tetrachloroethene (PCE)	ND	0.237	D	mg/Kg-dry	10	10/30/2019 8:27:46 AM
Surr: Dibromofluoromethane	99.2	78.3 - 116	D	%Rec	10	10/30/2019 8:27:46 AM
Surr: Toluene-d8	102	84.2 - 114	D	%Rec	10	10/30/2019 8:27:46 AM
Surr: 1-Bromo-4-fluorobenzene	90.8	81.9 - 115	D	%Rec	10	10/30/2019 8:27:46 AM
Sample Moisture (Percent Moisture)				Batch ID: R54923		Analyst: SBM
Percent Moisture	13.1	0.500		wt%	1	10/29/2019 10:50:43 AM

Lab ID: 1910490-002 **Collection Date:** 10/26/2019 2:00:00 PM
Client Sample ID: **B-1002-12** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 26305		Analyst: CR
Vinyl chloride	ND	0.233	D	mg/Kg-dry	10	10/30/2019 9:02:14 AM
cis-1,2-Dichloroethene	0.0791	0.187	DJ	mg/Kg-dry	10	10/30/2019 9:02:14 AM
Trichloroethene (TCE)	ND	0.187	D	mg/Kg-dry	10	10/30/2019 9:02:14 AM
Tetrachloroethene (PCE)	ND	0.233	D	mg/Kg-dry	10	10/30/2019 9:02:14 AM
Surr: Dibromofluoromethane	101	78.3 - 116	D	%Rec	10	10/30/2019 9:02:14 AM
Surr: Toluene-d8	103	84.2 - 114	D	%Rec	10	10/30/2019 9:02:14 AM
Surr: 1-Bromo-4-fluorobenzene	93.2	81.9 - 115	D	%Rec	10	10/30/2019 9:02:14 AM
Sample Moisture (Percent Moisture)				Batch ID: R54923		Analyst: SBM
Percent Moisture	12.8	0.500		wt%	1	10/29/2019 10:50:43 AM

Analytical Report

Work Order: **1910490**
Date Reported: **10/30/2019**

CLIENT: PES Environmental, Inc.
Project: American Linen

Lab ID: 1910490-003 **Collection Date:** 10/26/2019 6:00:00 PM
Client Sample ID: **CA-B18-20** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 26305		Analyst: CR
Vinyl chloride	ND	0.210	D	mg/Kg-dry	10	10/30/2019 9:36:41 AM
cis-1,2-Dichloroethene	2.41	0.168	D	mg/Kg-dry	10	10/30/2019 9:36:41 AM
Trichloroethene (TCE)	ND	0.168	D	mg/Kg-dry	10	10/30/2019 9:36:41 AM
Tetrachloroethene (PCE)	0.0961	0.210	DJ	mg/Kg-dry	10	10/30/2019 9:36:41 AM
Surr: Dibromofluoromethane	101	78.3 - 116	D	%Rec	10	10/30/2019 9:36:41 AM
Surr: Toluene-d8	105	84.2 - 114	D	%Rec	10	10/30/2019 9:36:41 AM
Surr: 1-Bromo-4-fluorobenzene	89.5	81.9 - 115	D	%Rec	10	10/30/2019 9:36:41 AM
Sample Moisture (Percent Moisture)				Batch ID: R54923		Analyst: SBM
Percent Moisture	9.28	0.500		wt%	1	10/29/2019 10:50:43 AM

Work Order: 1910490
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-26305** SampType: **LCS** Units: **mg/Kg** Prep Date: **10/29/2019** RunNo: **54954**
Client ID: **LCSS** Batch ID: **26305** Analysis Date: **10/29/2019** SeqNo: **1091029**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.994	0.0250	1.000	0	99.4	60	139				
cis-1,2-Dichloroethene	0.982	0.0200	1.000	0	98.2	78.4	120				
Trichloroethene (TCE)	0.989	0.0200	1.000	0	98.9	76.6	123				
Tetrachloroethene (PCE)	0.993	0.0250	1.000	0	99.3	78.7	123				
Surr: Dibromofluoromethane	1.28		1.250		102	78.3	116				
Surr: Toluene-d8	1.26		1.250		101	84.2	114				
Surr: 1-Bromo-4-fluorobenzene	1.32		1.250		106	81.9	115				

Sample ID: **MB-26305** SampType: **MBLK** Units: **mg/Kg** Prep Date: **10/29/2019** RunNo: **54954**
Client ID: **MBLKS** Batch ID: **26305** Analysis Date: **10/29/2019** SeqNo: **1091030**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
cis-1,2-Dichloroethene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0250									
Surr: Dibromofluoromethane	1.23		1.250		98.0	78.3	116				
Surr: Toluene-d8	1.27		1.250		101	84.2	114				
Surr: 1-Bromo-4-fluorobenzene	1.12		1.250		89.9	81.9	115				

Sample ID: **1910443-007BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **10/29/2019** RunNo: **54954**
Client ID: **BATCH** Batch ID: **26305** Analysis Date: **10/29/2019** SeqNo: **1091011**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0235						0	0	30	
cis-1,2-Dichloroethene	ND	0.0188						0	0	30	
Trichloroethene (TCE)	ND	0.0188						0	0	30	
Tetrachloroethene (PCE)	ND	0.0235						0	0	30	
Surr: Dibromofluoromethane	1.13		1.177		95.9	78.3	116		0		
Surr: Toluene-d8	1.20		1.177		102	84.2	114		0		

Work Order: 1910490
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **1910443-007BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **10/29/2019** RunNo: **54954**
Client ID: **BATCH** Batch ID: **26305** Analysis Date: **10/29/2019** SeqNo: **1091011**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1-Bromo-4-fluorobenzene	1.01		1.177		85.9	81.9	115		0		

Sample ID: **1910443-008BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **10/29/2019** RunNo: **54954**
Client ID: **BATCH** Batch ID: **26305** Analysis Date: **10/30/2019** SeqNo: **1091013**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.05	0.0241	0.9646	0	109	54.6	148				
cis-1,2-Dichloroethene	0.998	0.0193	0.9646	0	103	65.4	133				
Trichloroethene (TCE)	1.00	0.0193	0.9646	0	104	52.2	147				
Tetrachloroethene (PCE)	0.978	0.0241	0.9646	0	101	70.2	130				
Surr: Dibromofluoromethane	1.23		1.206		102	78.3	116				
Surr: Toluene-d8	1.26		1.206		104	84.2	114				
Surr: 1-Bromo-4-fluorobenzene	1.35		1.206		112	81.9	115				

Sample ID: **1910443-008BMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **10/29/2019** RunNo: **54954**
Client ID: **BATCH** Batch ID: **26305** Analysis Date: **10/30/2019** SeqNo: **1091014**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.973	0.0241	0.9646	0	101	54.6	148	1.053	7.94	30	
cis-1,2-Dichloroethene	0.958	0.0193	0.9646	0	99.4	65.4	133	0.9977	4.03	30	
Trichloroethene (TCE)	0.946	0.0193	0.9646	0	98.1	52.2	147	1.002	5.74	30	
Tetrachloroethene (PCE)	0.920	0.0241	0.9646	0	95.3	70.2	130	0.9782	6.17	30	
Surr: Dibromofluoromethane	1.22		1.206		101	78.3	116		0		
Surr: Toluene-d8	1.23		1.206		102	84.2	114		0		
Surr: 1-Bromo-4-fluorobenzene	1.35		1.206		112	81.9	115		0		

Work Order: 1910490
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **1910443-027BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **10/29/2019** RunNo: **54954**
Client ID: **BATCH** Batch ID: **26305** Analysis Date: **10/30/2019** SeqNo: **1091023**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0271						0	0	30	
cis-1,2-Dichloroethene	ND	0.0217						0	0	30	
Trichloroethene (TCE)	ND	0.0217						0	0	30	
Tetrachloroethene (PCE)	ND	0.0271						0	0	30	
Surr: Dibromofluoromethane	1.27		1.354		93.8	78.3	116		0		
Surr: Toluene-d8	1.37		1.354		101	84.2	114		0		
Surr: 1-Bromo-4-fluorobenzene	1.26		1.354		93.2	81.9	115		0		

Work Order: 1910490
CLIENT: PES Environmental, Inc.
Project: American Linen

QC SUMMARY REPORT

Sample Moisture (Percent Moisture)

Sample ID: **1910470-010ADUP** SampType: **DUP** Units: **wt%** Prep Date: **10/29/2019** RunNo: **54923**
Client ID: **BATCH** Batch ID: **R54923** Analysis Date: **10/29/2019** SeqNo: **1090246**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	49.1	0.500						50.76	3.36	20	

Sample ID: **1910481-006ADUP** SampType: **DUP** Units: **wt%** Prep Date: **10/29/2019** RunNo: **54923**
Client ID: **BATCH** Batch ID: **R54923** Analysis Date: **10/29/2019** SeqNo: **1090260**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	13.8	0.500						13.41	2.76	20	

Sample Log-In Check List

Client Name:	**PES**	Work Order Number:	**1910490**
Logged by:	**Clare Griggs**	Date Received:	**10/28/2019 3:57:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes	☑	No ☐	Not Present	☐
2.	How was the sample delivered?	Client				

Log In

3.	Coolers are present?	Yes	☑	No ☐	NA	☐
4.	Shipping container/cooler in good condition?	Yes	☑	No ☐		
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes	☐	No ☐	Not Required	☑
6.	Was an attempt made to cool the samples?	Yes	☑	No ☐	NA	☐
7.	Were all items received at a temperature of >0°C to 10.0°C *	Yes	☑	No ☐	NA	☐
8.	Sample(s) in proper container(s)?	Yes	☑	No ☐		
9.	Sufficient sample volume for indicated test(s)?	Yes	☑	No ☐		
10.	Are samples properly preserved?	Yes	☑	No ☐		
11.	Was preservative added to bottles?	Yes	☐	No ☑	NA	☐
12.	Is there headspace in the VOA vials?	Yes	☐	No ☐	NA	☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes	☑	No ☐		
14.	Does paperwork match bottle labels?	Yes	☑	No ☐		
15.	Are matrices correctly identified on Chain of Custody?	Yes	☑	No ☐		
16.	Is it clear what analyses were requested?	Yes	☑	No ☐		
17.	Were all holding times able to be met?	Yes	☑	No ☐		

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes	☑	No ☐	NA	☐

Person Notified:	Brian O'Neal	Date:	10/29/2019
By Whom:	Clare Griggs	Via:	☐ eMail ☑ Phone ☐ Fax ☐ In Person
Regarding:	Trip Blank arrived without MeOH therefore cannot analyze.		
Client Instructions:			

19. Additional remarks:

Item Information

Item #	Temp °C
Cooler	1.2
Sample	2.0

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 10/26/19 Page: 1 of: 1

Laboratory Project No (internal): 1910490

Project Name: AMERICAN LINEN

Special Remarks: Select List VOC's: PCE, TCE, cis-1,2 DCE, VC

Project No: 1413.001.05.310

Client: PES ENVIRONMENTAL

Collected by: K. Zygas

Address: 1215 4th Ave, #135G

Location: Seattle, WA

City, State, Zip: SEATTLE, WA 98161

Report To (PM): B. O'NEAL

Sample Disposal: ☐ Return to client ☑ Disposal by lab (after 30 days)

Telephone: 206 529 5280

Fax: 206 529 3985

PM Email: BONEAL@PESENV.COM

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) / Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	MW-175-12	10/26/19	1300	S	X													
2	B-1002-12		1400		X													
3	CA-B18-20		1900		X													1 VOA
4	~~TB-102819~~	~~10/28/19~~	1500	—	X													TRIP BLANK
5																		edit per BO. 10/29/19 cag
6																		
7																		
8																		
9																		
10																		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished	Date/Time	Received	Date/Time
x [signature]	10/28/19 1557	x [signature]	10/28/19 1557
Relinquished	Date/Time	Received	Date/Time
x		x	

Turn-around Time:

- ☐ Standard
- ☒ 3 Day
- ~~☒ 2 Day~~ (KZ)
- ☐ Next Day
- Same Day _____ (specify)