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ANALYTICAL REPORT

September 30, 2020

Colorado Oil & Gas Conservation

Sample Delivery Group:	L1265781
Samples Received:	09/24/2020
Project Number:	TC ENFORCEMENT
Description:	Timber Creek

Report To: Jason Kosola
5405 Sacramento Pl.
Colorado Springs, CO 80917

Entire Report Reviewed By: Chris Ward

Chris Ward
Project Manager

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AC 35-06 L1265781-01 GW

Collected by: J Kosola | Collected date/time: 09/23/20 10:00 | Received date/time: 09/24/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1550915	20	09/29/20 14:08	09/29/20 14:08	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1549996	1000	09/27/20 12:00	09/27/20 12:00	ACG	Mt. Juliet, TN

AC 35-06WH L1265781-02 GW

Collected by: J Kosola | Collected date/time: 09/23/20 10:15 | Received date/time: 09/24/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1549997	1	09/27/20 23:44	09/27/20 23:44	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1549996	1	09/27/20 06:49	09/27/20 06:49	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1550341	1	09/26/20 14:01	09/28/20 18:40	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1548769	1	09/24/20 19:54	09/25/20 16:22	AO	Mt. Juliet, TN

AC 11-12V L1265781-03 GW

Collected by: J Kosola | Collected date/time: 09/23/20 10:00 | Received date/time: 09/24/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1550915	20	09/29/20 14:29	09/29/20 14:29	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1549996	1000	09/27/20 12:21	09/27/20 12:21	ACG	Mt. Juliet, TN

AC 35-06 L1265781-04 Solid

Collected by: J Kosola | Collected date/time: 09/23/20 10:00 | Received date/time: 09/24/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1550286	12000	09/29/20 00:38	09/29/20 10:45	JN	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1550286	6000	09/29/20 00:38	09/29/20 09:23	JN	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1550698	6000	09/29/20 00:48	09/29/20 18:17	AO	Mt. Juliet, TN

AC 11-12V L1265781-05 Solid

Collected by: J Kosola | Collected date/time: 09/23/20 10:00 | Received date/time: 09/24/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1550286	6000	09/29/20 00:38	09/29/20 09:36	JN	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1550698	6000	09/29/20 00:48	09/29/20 18:38	AO	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.

Chris Ward
Project Manager

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		2.00	20	09/29/2020 14:08	WG1550915
(S) a,a,a-Trifluorotoluene(FID)	*108*		*78.0-120*		*09/29/2020 14:08*	WG1550915

Sample Narrative:

L1265781-01 WG1550915: Lowest possible dilution due to sample matrix.

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1000	09/27/2020 12:00	WG1549996
Acrolein	ND		50.0	1000	09/27/2020 12:00	WG1549996
Acrylonitrile	ND		10.0	1000	09/27/2020 12:00	WG1549996
Benzene	ND		1.00	1000	09/27/2020 12:00	WG1549996
Bromobenzene	ND		1.00	1000	09/27/2020 12:00	WG1549996
Bromodichloromethane	ND		1.00	1000	09/27/2020 12:00	WG1549996
Bromoform	ND		1.00	1000	09/27/2020 12:00	WG1549996
Bromomethane	ND		5.00	1000	09/27/2020 12:00	WG1549996
n-Butylbenzene	ND		1.00	1000	09/27/2020 12:00	WG1549996
sec-Butylbenzene	ND		1.00	1000	09/27/2020 12:00	WG1549996
tert-Butylbenzene	ND		1.00	1000	09/27/2020 12:00	WG1549996
Carbon tetrachloride	ND		1.00	1000	09/27/2020 12:00	WG1549996
Chlorobenzene	ND		1.00	1000	09/27/2020 12:00	WG1549996
Chlorodibromomethane	ND		1.00	1000	09/27/2020 12:00	WG1549996
Chloroethane	ND		5.00	1000	09/27/2020 12:00	WG1549996
Chloroform	ND		5.00	1000	09/27/2020 12:00	WG1549996
Chloromethane	ND		2.50	1000	09/27/2020 12:00	WG1549996
2-Chlorotoluene	ND		1.00	1000	09/27/2020 12:00	WG1549996
4-Chlorotoluene	ND		1.00	1000	09/27/2020 12:00	WG1549996
1,2-Dibromo-3-Chloropropane	ND		5.00	1000	09/27/2020 12:00	WG1549996
1,2-Dibromoethane	ND		1.00	1000	09/27/2020 12:00	WG1549996
Dibromomethane	ND		1.00	1000	09/27/2020 12:00	WG1549996
1,2-Dichlorobenzene	ND		1.00	1000	09/27/2020 12:00	WG1549996
1,3-Dichlorobenzene	ND		1.00	1000	09/27/2020 12:00	WG1549996
1,4-Dichlorobenzene	ND		1.00	1000	09/27/2020 12:00	WG1549996
Dichlorodifluoromethane	ND		5.00	1000	09/27/2020 12:00	WG1549996
1,1-Dichloroethane	ND		1.00	1000	09/27/2020 12:00	WG1549996
1,2-Dichloroethane	ND		1.00	1000	09/27/2020 12:00	WG1549996
1,1-Dichloroethene	ND		1.00	1000	09/27/2020 12:00	WG1549996
cis-1,2-Dichloroethene	ND		1.00	1000	09/27/2020 12:00	WG1549996
trans-1,2-Dichloroethene	ND		1.00	1000	09/27/2020 12:00	WG1549996
1,2-Dichloropropane	ND		1.00	1000	09/27/2020 12:00	WG1549996
1,1-Dichloropropene	ND		1.00	1000	09/27/2020 12:00	WG1549996
1,3-Dichloropropane	ND		1.00	1000	09/27/2020 12:00	WG1549996
cis-1,3-Dichloropropene	ND		1.00	1000	09/27/2020 12:00	WG1549996
trans-1,3-Dichloropropene	ND		1.00	1000	09/27/2020 12:00	WG1549996
2,2-Dichloropropane	ND		1.00	1000	09/27/2020 12:00	WG1549996
Di-isopropyl ether	ND		1.00	1000	09/27/2020 12:00	WG1549996
Ethylbenzene	ND		1.00	1000	09/27/2020 12:00	WG1549996
Hexachloro-1,3-butadiene	ND		1.00	1000	09/27/2020 12:00	WG1549996
Isopropylbenzene	ND		1.00	1000	09/27/2020 12:00	WG1549996
p-Isopropyltoluene	ND		1.00	1000	09/27/2020 12:00	WG1549996
2-Butanone (MEK)	ND		10.0	1000	09/27/2020 12:00	WG1549996
Methylene Chloride	ND		5.00	1000	09/27/2020 12:00	WG1549996
4-Methyl-2-pentanone (MIBK)	ND		10.0	1000	09/27/2020 12:00	WG1549996
Methyl tert-butyl ether	ND		1.00	1000	09/27/2020 12:00	WG1549996

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Naphthalene	ND		5.00	1000	09/27/2020 12:00	WG1549996
n-Propylbenzene	ND		1.00	1000	09/27/2020 12:00	WG1549996
Styrene	ND		1.00	1000	09/27/2020 12:00	WG1549996
1,1,1,2-Tetrachloroethane	ND		1.00	1000	09/27/2020 12:00	WG1549996
1,1,2,2-Tetrachloroethane	ND		1.00	1000	09/27/2020 12:00	WG1549996
1,1,2-Trichlorotrifluoroethane	ND		1.00	1000	09/27/2020 12:00	WG1549996
Tetrachloroethene	ND		1.00	1000	09/27/2020 12:00	WG1549996
Toluene	ND		1.00	1000	09/27/2020 12:00	WG1549996
1,2,3-Trichlorobenzene	ND		1.00	1000	09/27/2020 12:00	WG1549996
1,2,4-Trichlorobenzene	ND		1.00	1000	09/27/2020 12:00	WG1549996
1,1,1-Trichloroethane	ND		1.00	1000	09/27/2020 12:00	WG1549996
1,1,2-Trichloroethane	ND		1.00	1000	09/27/2020 12:00	WG1549996
Trichloroethene	ND		1.00	1000	09/27/2020 12:00	WG1549996
Trichlorofluoromethane	ND		5.00	1000	09/27/2020 12:00	WG1549996
1,2,3-Trichloropropane	ND		2.50	1000	09/27/2020 12:00	WG1549996
1,2,4-Trimethylbenzene	ND		1.00	1000	09/27/2020 12:00	WG1549996
1,2,3-Trimethylbenzene	ND		1.00	1000	09/27/2020 12:00	WG1549996
1,3,5-Trimethylbenzene	ND		1.00	1000	09/27/2020 12:00	WG1549996
Vinyl chloride	ND		1.00	1000	09/27/2020 12:00	WG1549996
Xylenes, Total	ND		3.00	1000	09/27/2020 12:00	WG1549996
(S) Toluene-d8	*105*		*80.0-120*		*09/27/2020 12:00*	WG1549996
(S) 4-Bromofluorobenzene	*97.0*		*77.0-126*		*09/27/2020 12:00*	WG1549996
(S) 1,2-Dichloroethane-d4	*89.5*		*70.0-130*		*09/27/2020 12:00*	WG1549996

Sample Narrative:

L1265781-01 WG1549996: Elevated RL due to sample matrix.

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	09/27/2020 23:44	WG1549997
(S) a,a,a-Trifluorotoluene(FID)	*112*		*78.0-120*		*09/27/2020 23:44*	WG1549997

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	09/27/2020 06:49	WG1549996
Acrolein	ND		0.0500	1	09/27/2020 06:49	WG1549996
Acrylonitrile	ND		0.0100	1	09/27/2020 06:49	WG1549996
Benzene	ND		0.00100	1	09/27/2020 06:49	WG1549996
Bromobenzene	ND		0.00100	1	09/27/2020 06:49	WG1549996
Bromodichloromethane	ND		0.00100	1	09/27/2020 06:49	WG1549996
Bromoform	ND		0.00100	1	09/27/2020 06:49	WG1549996
Bromomethane	ND		0.00500	1	09/27/2020 06:49	WG1549996
n-Butylbenzene	ND		0.00100	1	09/27/2020 06:49	WG1549996
sec-Butylbenzene	ND		0.00100	1	09/27/2020 06:49	WG1549996
tert-Butylbenzene	ND		0.00100	1	09/27/2020 06:49	WG1549996
Carbon tetrachloride	ND		0.00100	1	09/27/2020 06:49	WG1549996
Chlorobenzene	ND		0.00100	1	09/27/2020 06:49	WG1549996
Chlorodibromomethane	ND		0.00100	1	09/27/2020 06:49	WG1549996
Chloroethane	ND		0.00500	1	09/27/2020 06:49	WG1549996
Chloroform	ND		0.00500	1	09/27/2020 06:49	WG1549996
Chloromethane	ND		0.00250	1	09/27/2020 06:49	WG1549996
2-Chlorotoluene	ND		0.00100	1	09/27/2020 06:49	WG1549996
4-Chlorotoluene	ND		0.00100	1	09/27/2020 06:49	WG1549996
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	09/27/2020 06:49	WG1549996
1,2-Dibromoethane	ND		0.00100	1	09/27/2020 06:49	WG1549996
Dibromomethane	ND		0.00100	1	09/27/2020 06:49	WG1549996
1,2-Dichlorobenzene	ND		0.00100	1	09/27/2020 06:49	WG1549996
1,3-Dichlorobenzene	ND		0.00100	1	09/27/2020 06:49	WG1549996
1,4-Dichlorobenzene	ND		0.00100	1	09/27/2020 06:49	WG1549996
Dichlorodifluoromethane	ND		0.00500	1	09/27/2020 06:49	WG1549996
1,1-Dichloroethane	ND		0.00100	1	09/27/2020 06:49	WG1549996
1,2-Dichloroethane	ND		0.00100	1	09/27/2020 06:49	WG1549996
1,1-Dichloroethene	ND		0.00100	1	09/27/2020 06:49	WG1549996
cis-1,2-Dichloroethene	ND		0.00100	1	09/27/2020 06:49	WG1549996
trans-1,2-Dichloroethene	ND		0.00100	1	09/27/2020 06:49	WG1549996
1,2-Dichloropropane	ND		0.00100	1	09/27/2020 06:49	WG1549996
1,1-Dichloropropene	ND		0.00100	1	09/27/2020 06:49	WG1549996
1,3-Dichloropropane	ND		0.00100	1	09/27/2020 06:49	WG1549996
cis-1,3-Dichloropropene	ND		0.00100	1	09/27/2020 06:49	WG1549996
trans-1,3-Dichloropropene	ND		0.00100	1	09/27/2020 06:49	WG1549996
2,2-Dichloropropane	ND		0.00100	1	09/27/2020 06:49	WG1549996
Di-isopropyl ether	ND		0.00100	1	09/27/2020 06:49	WG1549996
Ethylbenzene	ND		0.00100	1	09/27/2020 06:49	WG1549996
Hexachloro-1,3-butadiene	ND		0.00100	1	09/27/2020 06:49	WG1549996
Isopropylbenzene	ND		0.00100	1	09/27/2020 06:49	WG1549996
p-Isopropyltoluene	ND		0.00100	1	09/27/2020 06:49	WG1549996
2-Butanone (MEK)	ND		0.0100	1	09/27/2020 06:49	WG1549996
Methylene Chloride	ND		0.00500	1	09/27/2020 06:49	WG1549996
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	09/27/2020 06:49	WG1549996
Methyl tert-butyl ether	ND		0.00100	1	09/27/2020 06:49	WG1549996
Naphthalene	ND		0.00500	1	09/27/2020 06:49	WG1549996
n-Propylbenzene	ND		0.00100	1	09/27/2020 06:49	WG1549996
Styrene	ND		0.00100	1	09/27/2020 06:49	WG1549996

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		0.00100	1	09/27/2020 06:49	WG1549996
1,1,2,2-Tetrachloroethane	ND		0.00100	1	09/27/2020 06:49	WG1549996
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	09/27/2020 06:49	WG1549996
Tetrachloroethene	ND		0.00100	1	09/27/2020 06:49	WG1549996
Toluene	ND		0.00100	1	09/27/2020 06:49	WG1549996
1,2,3-Trichlorobenzene	ND		0.00100	1	09/27/2020 06:49	WG1549996
1,2,4-Trichlorobenzene	ND		0.00100	1	09/27/2020 06:49	WG1549996
1,1,1-Trichloroethane	ND		0.00100	1	09/27/2020 06:49	WG1549996
1,1,2-Trichloroethane	ND		0.00100	1	09/27/2020 06:49	WG1549996
Trichloroethene	ND		0.00100	1	09/27/2020 06:49	WG1549996
Trichlorofluoromethane	ND		0.00500	1	09/27/2020 06:49	WG1549996
1,2,3-Trichloropropane	ND		0.00250	1	09/27/2020 06:49	WG1549996
1,2,4-Trimethylbenzene	ND		0.00100	1	09/27/2020 06:49	WG1549996
1,2,3-Trimethylbenzene	ND		0.00100	1	09/27/2020 06:49	WG1549996
1,3,5-Trimethylbenzene	ND		0.00100	1	09/27/2020 06:49	WG1549996
Vinyl chloride	ND		0.00100	1	09/27/2020 06:49	WG1549996
Xylenes, Total	ND		0.00300	1	09/27/2020 06:49	WG1549996
(S) Toluene-d8	*104*		*80.0-120*		*09/27/2020 06:49*	WG1549996
(S) 4-Bromofluorobenzene	*98.1*		*77.0-126*		*09/27/2020 06:49*	WG1549996
(S) 1,2-Dichloroethane-d4	*90.6*		*70.0-130*		*09/27/2020 06:49*	WG1549996

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		0.100	1	09/28/2020 18:40	WG1550341
C28-C40 Oil Range	ND		0.100	1	09/28/2020 18:40	WG1550341
(S) o-Terphenyl	*94.2*		*52.0-156*		*09/28/2020 18:40*	WG1550341

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.00100	1	09/25/2020 16:22	WG1548769
Acenaphthylene	ND		0.00100	1	09/25/2020 16:22	WG1548769
Anthracene	ND		0.00100	1	09/25/2020 16:22	WG1548769
Benzidine	ND	J4	0.0100	1	09/25/2020 16:22	WG1548769
Benzo(a)anthracene	ND	J4	0.00100	1	09/25/2020 16:22	WG1548769
Benzo(b)fluoranthene	ND	J4	0.00100	1	09/25/2020 16:22	WG1548769
Benzo(k)fluoranthene	ND	J4	0.00100	1	09/25/2020 16:22	WG1548769
Benzo(g,h,i)perylene	ND		0.00100	1	09/25/2020 16:22	WG1548769
Benzo(a)pyrene	ND		0.00100	1	09/25/2020 16:22	WG1548769
Bis(2-chlorethoxy)methane	ND		0.0100	1	09/25/2020 16:22	WG1548769
Bis(2-chloroethyl)ether	ND		0.0100	1	09/25/2020 16:22	WG1548769
2,2-Oxybis(1-Chloropropane)	ND		0.0100	1	09/25/2020 16:22	WG1548769
4-Bromophenyl-phenylether	ND		0.0100	1	09/25/2020 16:22	WG1548769
2-Chloronaphthalene	ND		0.00100	1	09/25/2020 16:22	WG1548769
4-Chlorophenyl-phenylether	ND		0.0100	1	09/25/2020 16:22	WG1548769
Chrysene	ND	J4	0.00100	1	09/25/2020 16:22	WG1548769
Dibenz(a,h)anthracene	ND		0.00100	1	09/25/2020 16:22	WG1548769
3,3-Dichlorobenzidine	ND		0.0100	1	09/25/2020 16:22	WG1548769
2,4-Dinitrotoluene	ND		0.0100	1	09/25/2020 16:22	WG1548769
2,6-Dinitrotoluene	ND		0.0100	1	09/25/2020 16:22	WG1548769
Fluoranthene	ND	J4	0.00100	1	09/25/2020 16:22	WG1548769
Fluorene	ND	J4	0.00100	1	09/25/2020 16:22	WG1548769
Hexachlorobenzene	ND		0.00100	1	09/25/2020 16:22	WG1548769
Hexachloro-1,3-butadiene	ND		0.0100	1	09/25/2020 16:22	WG1548769

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hexachlorocyclopentadiene	ND		0.0100	1	09/25/2020 16:22	WG1548769
Hexachloroethane	ND		0.0100	1	09/25/2020 16:22	WG1548769
Indeno(1,2,3-cd)pyrene	ND		0.00100	1	09/25/2020 16:22	WG1548769
Isophorone	ND		0.0100	1	09/25/2020 16:22	WG1548769
Naphthalene	ND		0.00100	1	09/25/2020 16:22	WG1548769
Nitrobenzene	ND		0.0100	1	09/25/2020 16:22	WG1548769
n-Nitrosodimethylamine	ND		0.0100	1	09/25/2020 16:22	WG1548769
n-Nitrosodiphenylamine	ND	J4	0.0100	1	09/25/2020 16:22	WG1548769
n-Nitrosodi-n-propylamine	ND		0.0100	1	09/25/2020 16:22	WG1548769
Phenanthrene	ND		0.00100	1	09/25/2020 16:22	WG1548769
Benzylbutyl phthalate	ND		0.00300	1	09/25/2020 16:22	WG1548769
Bis(2-ethylhexyl)phthalate	ND		0.00300	1	09/25/2020 16:22	WG1548769
Di-n-butyl phthalate	ND		0.00300	1	09/25/2020 16:22	WG1548769
Diethyl phthalate	ND		0.00300	1	09/25/2020 16:22	WG1548769
Dimethyl phthalate	ND		0.00300	1	09/25/2020 16:22	WG1548769
Di-n-octyl phthalate	ND		0.00300	1	09/25/2020 16:22	WG1548769
Pyrene	ND	J4	0.00100	1	09/25/2020 16:22	WG1548769
1,2,4-Trichlorobenzene	ND		0.0100	1	09/25/2020 16:22	WG1548769
4-Chloro-3-methylphenol	ND		0.0100	1	09/25/2020 16:22	WG1548769
2-Chlorophenol	ND		0.0100	1	09/25/2020 16:22	WG1548769
2,4-Dichlorophenol	ND		0.0100	1	09/25/2020 16:22	WG1548769
2,4-Dimethylphenol	ND		0.0100	1	09/25/2020 16:22	WG1548769
4,6-Dinitro-2-methylphenol	ND		0.0100	1	09/25/2020 16:22	WG1548769
2,4-Dinitrophenol	ND		0.0100	1	09/25/2020 16:22	WG1548769
2-Nitrophenol	ND		0.0100	1	09/25/2020 16:22	WG1548769
4-Nitrophenol	ND		0.0100	1	09/25/2020 16:22	WG1548769
Pentachlorophenol	ND		0.0100	1	09/25/2020 16:22	WG1548769
Phenol	ND		0.0100	1	09/25/2020 16:22	WG1548769
2,4,6-Trichlorophenol	ND		0.0100	1	09/25/2020 16:22	WG1548769
(S) 2-Fluorophenol	*30.0*		*10.0-120*		*09/25/2020 16:22*	WG1548769
(S) Phenol-d5	*22.5*		*10.0-120*		*09/25/2020 16:22*	WG1548769
(S) Nitrobenzene-d5	*42.0*		*10.0-127*		*09/25/2020 16:22*	WG1548769
(S) 2-Fluorobiphenyl	*44.0*		*10.0-130*		*09/25/2020 16:22*	WG1548769
(S) 2,4,6-Tribromophenol	*51.6*		*10.0-155*		*09/25/2020 16:22*	WG1548769
(S) p-Terphenyl-d14	*55.1*		*10.0-128*		*09/25/2020 16:22*	WG1548769

Semi Volatile Organic Compounds (GC/MS) by Method 8270C - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch	CAS #	RT
Unknown-01	0.00824	J N	0.000	1	09/25/2020 16:22	WG1548769	000123-42-2	2.37
2-Propanol, 1-(2-Methoxypropoxy)-	0.00521	J N	0.000	1	09/25/2020 16:22	WG1548769	013429-07-7	3.12

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		2.00	20	09/29/2020 14:29	WG1550915
(S) a,a,a-Trifluorotoluene(FID)	*109*		*78.0-120*		*09/29/2020 14:29*	WG1550915

Sample Narrative:

L1265781-03 WG1550915: Lowest possible dilution due to sample matrix.

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1000	09/27/2020 12:21	WG1549996
Acrolein	ND	J5	50.0	1000	09/27/2020 12:21	WG1549996
Acrylonitrile	ND		10.0	1000	09/27/2020 12:21	WG1549996
Benzene	ND		1.00	1000	09/27/2020 12:21	WG1549996
Bromobenzene	ND		1.00	1000	09/27/2020 12:21	WG1549996
Bromodichloromethane	ND		1.00	1000	09/27/2020 12:21	WG1549996
Bromoform	ND		1.00	1000	09/27/2020 12:21	WG1549996
Bromomethane	ND		5.00	1000	09/27/2020 12:21	WG1549996
n-Butylbenzene	ND		1.00	1000	09/27/2020 12:21	WG1549996
sec-Butylbenzene	ND		1.00	1000	09/27/2020 12:21	WG1549996
tert-Butylbenzene	ND		1.00	1000	09/27/2020 12:21	WG1549996
Carbon tetrachloride	ND		1.00	1000	09/27/2020 12:21	WG1549996
Chlorobenzene	ND		1.00	1000	09/27/2020 12:21	WG1549996
Chlorodibromomethane	ND		1.00	1000	09/27/2020 12:21	WG1549996
Chloroethane	ND		5.00	1000	09/27/2020 12:21	WG1549996
Chloroform	ND		5.00	1000	09/27/2020 12:21	WG1549996
Chloromethane	ND		2.50	1000	09/27/2020 12:21	WG1549996
2-Chlorotoluene	ND		1.00	1000	09/27/2020 12:21	WG1549996
4-Chlorotoluene	ND		1.00	1000	09/27/2020 12:21	WG1549996
1,2-Dibromo-3-Chloropropane	ND	J5	5.00	1000	09/27/2020 12:21	WG1549996
1,2-Dibromoethane	ND		1.00	1000	09/27/2020 12:21	WG1549996
Dibromomethane	ND		1.00	1000	09/27/2020 12:21	WG1549996
1,2-Dichlorobenzene	ND		1.00	1000	09/27/2020 12:21	WG1549996
1,3-Dichlorobenzene	ND		1.00	1000	09/27/2020 12:21	WG1549996
1,4-Dichlorobenzene	ND		1.00	1000	09/27/2020 12:21	WG1549996
Dichlorodifluoromethane	ND		5.00	1000	09/27/2020 12:21	WG1549996
1,1-Dichloroethane	ND		1.00	1000	09/27/2020 12:21	WG1549996
1,2-Dichloroethane	ND		1.00	1000	09/27/2020 12:21	WG1549996
1,1-Dichloroethene	ND		1.00	1000	09/27/2020 12:21	WG1549996
cis-1,2-Dichloroethene	ND		1.00	1000	09/27/2020 12:21	WG1549996
trans-1,2-Dichloroethene	ND		1.00	1000	09/27/2020 12:21	WG1549996
1,2-Dichloropropane	ND		1.00	1000	09/27/2020 12:21	WG1549996
1,1-Dichloropropene	ND		1.00	1000	09/27/2020 12:21	WG1549996
1,3-Dichloropropane	ND		1.00	1000	09/27/2020 12:21	WG1549996
cis-1,3-Dichloropropene	ND		1.00	1000	09/27/2020 12:21	WG1549996
trans-1,3-Dichloropropene	ND		1.00	1000	09/27/2020 12:21	WG1549996
2,2-Dichloropropane	ND		1.00	1000	09/27/2020 12:21	WG1549996
Di-isopropyl ether	ND		1.00	1000	09/27/2020 12:21	WG1549996
Ethylbenzene	ND		1.00	1000	09/27/2020 12:21	WG1549996
Hexachloro-1,3-butadiene	ND		1.00	1000	09/27/2020 12:21	WG1549996
Isopropylbenzene	ND		1.00	1000	09/27/2020 12:21	WG1549996
p-Isopropyltoluene	ND		1.00	1000	09/27/2020 12:21	WG1549996
2-Butanone (MEK)	ND		10.0	1000	09/27/2020 12:21	WG1549996
Methylene Chloride	ND		5.00	1000	09/27/2020 12:21	WG1549996
4-Methyl-2-pentanone (MIBK)	ND	J5	10.0	1000	09/27/2020 12:21	WG1549996
Methyl tert-butyl ether	ND		1.00	1000	09/27/2020 12:21	WG1549996

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Naphthalene	ND		5.00	1000	09/27/2020 12:21	WG1549996
n-Propylbenzene	ND		1.00	1000	09/27/2020 12:21	WG1549996
Styrene	ND		1.00	1000	09/27/2020 12:21	WG1549996
1,1,1,2-Tetrachloroethane	ND		1.00	1000	09/27/2020 12:21	WG1549996
1,1,2,2-Tetrachloroethane	ND	J5	1.00	1000	09/27/2020 12:21	WG1549996
1,1,2-Trichlorotrifluoroethane	ND		1.00	1000	09/27/2020 12:21	WG1549996
Tetrachloroethene	ND		1.00	1000	09/27/2020 12:21	WG1549996
Toluene	ND		1.00	1000	09/27/2020 12:21	WG1549996
1,2,3-Trichlorobenzene	ND	J5	1.00	1000	09/27/2020 12:21	WG1549996
1,2,4-Trichlorobenzene	ND		1.00	1000	09/27/2020 12:21	WG1549996
1,1,1-Trichloroethane	ND		1.00	1000	09/27/2020 12:21	WG1549996
1,1,2-Trichloroethane	ND		1.00	1000	09/27/2020 12:21	WG1549996
Trichloroethene	ND		1.00	1000	09/27/2020 12:21	WG1549996
Trichlorofluoromethane	ND		5.00	1000	09/27/2020 12:21	WG1549996
1,2,3-Trichloropropane	ND		2.50	1000	09/27/2020 12:21	WG1549996
1,2,4-Trimethylbenzene	ND		1.00	1000	09/27/2020 12:21	WG1549996
1,2,3-Trimethylbenzene	ND		1.00	1000	09/27/2020 12:21	WG1549996
1,3,5-Trimethylbenzene	ND		1.00	1000	09/27/2020 12:21	WG1549996
Vinyl chloride	ND		1.00	1000	09/27/2020 12:21	WG1549996
Xylenes, Total	ND		3.00	1000	09/27/2020 12:21	WG1549996
(S) Toluene-d8	*107*		*80.0-120*		*09/27/2020 12:21*	WG1549996
(S) 4-Bromofluorobenzene	*101*		*77.0-126*		*09/27/2020 12:21*	WG1549996
(S) 1,2-Dichloroethane-d4	*88.2*		*70.0-130*		*09/27/2020 12:21*	WG1549996

Sample Narrative:

L1265781-03 WG1549996: Elevated RL due to sample matrix.

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	419000		24000	6000	09/29/2020 09:23	WG1550286
C28-C40 Oil Range	901000		48000	12000	09/29/2020 10:45	WG1550286
(S) o-Terphenyl	*0.000*	J7	*60.0-140*		*09/29/2020 10:45*	WG1550286
(S) o-Terphenyl	*0.000*	J7	*60.0-140*		*09/29/2020 09:23*	WG1550286

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		200	6000	09/29/2020 18:17	WG1550698
Acenaphthylene	ND		200	6000	09/29/2020 18:17	WG1550698
Anthracene	ND		200	6000	09/29/2020 18:17	WG1550698
Benzidine	ND		10000	6000	09/29/2020 18:17	WG1550698
Benzo(a)anthracene	ND		200	6000	09/29/2020 18:17	WG1550698
Benzo(b)fluoranthene	ND		200	6000	09/29/2020 18:17	WG1550698
Benzo(k)fluoranthene	ND		200	6000	09/29/2020 18:17	WG1550698
Benzo(g,h,i)perylene	ND		200	6000	09/29/2020 18:17	WG1550698
Benzo(a)pyrene	ND		200	6000	09/29/2020 18:17	WG1550698
Bis(2-chlorethoxy)methane	ND		2000	6000	09/29/2020 18:17	WG1550698
Bis(2-chloroethyl)ether	ND		2000	6000	09/29/2020 18:17	WG1550698
2,2-Oxybis(1-Chloropropane)	ND		2000	6000	09/29/2020 18:17	WG1550698
4-Bromophenyl-phenylether	ND		2000	6000	09/29/2020 18:17	WG1550698
2-Chloronaphthalene	ND		200	6000	09/29/2020 18:17	WG1550698
4-Chlorophenyl-phenylether	ND		2000	6000	09/29/2020 18:17	WG1550698
Chrysene	ND		200	6000	09/29/2020 18:17	WG1550698
Dibenz(a,h)anthracene	ND		200	6000	09/29/2020 18:17	WG1550698
3,3-Dichlorobenzidine	ND		2000	6000	09/29/2020 18:17	WG1550698
2,4-Dinitrotoluene	ND		2000	6000	09/29/2020 18:17	WG1550698
2,6-Dinitrotoluene	ND		2000	6000	09/29/2020 18:17	WG1550698
Fluoranthene	ND		200	6000	09/29/2020 18:17	WG1550698
Fluorene	ND		200	6000	09/29/2020 18:17	WG1550698
Hexachlorobenzene	ND		2000	6000	09/29/2020 18:17	WG1550698
Hexachloro-1,3-butadiene	ND		2000	6000	09/29/2020 18:17	WG1550698
Hexachlorocyclopentadiene	ND		2000	6000	09/29/2020 18:17	WG1550698
Hexachloroethane	ND		2000	6000	09/29/2020 18:17	WG1550698
Indeno(1,2,3-cd)pyrene	ND		200	6000	09/29/2020 18:17	WG1550698
Isophorone	ND		2000	6000	09/29/2020 18:17	WG1550698
Naphthalene	ND		200	6000	09/29/2020 18:17	WG1550698
Nitrobenzene	ND		2000	6000	09/29/2020 18:17	WG1550698
n-Nitrosodimethylamine	ND		2000	6000	09/29/2020 18:17	WG1550698
n-Nitrosodiphenylamine	ND		2000	6000	09/29/2020 18:17	WG1550698
n-Nitrosodi-n-propylamine	ND		2000	6000	09/29/2020 18:17	WG1550698
Phenanthrene	ND		200	6000	09/29/2020 18:17	WG1550698
Benzylbutyl phthalate	ND		2000	6000	09/29/2020 18:17	WG1550698
Bis(2-ethylhexyl)phthalate	ND		2000	6000	09/29/2020 18:17	WG1550698
Di-n-butyl phthalate	ND		2000	6000	09/29/2020 18:17	WG1550698
Diethyl phthalate	ND		2000	6000	09/29/2020 18:17	WG1550698
Dimethyl phthalate	ND		2000	6000	09/29/2020 18:17	WG1550698
Di-n-octyl phthalate	ND		2000	6000	09/29/2020 18:17	WG1550698
Pyrene	ND		200	6000	09/29/2020 18:17	WG1550698
1,2,4-Trichlorobenzene	ND		2000	6000	09/29/2020 18:17	WG1550698
4-Chloro-3-methylphenol	ND		2000	6000	09/29/2020 18:17	WG1550698
2-Chlorophenol	ND		2000	6000	09/29/2020 18:17	WG1550698
2,4-Dichlorophenol	ND		2000	6000	09/29/2020 18:17	WG1550698
2,4-Dimethylphenol	ND		2000	6000	09/29/2020 18:17	WG1550698
4,6-Dinitro-2-methylphenol	ND		2000	6000	09/29/2020 18:17	WG1550698

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
2,4-Dinitrophenol	ND	J4	2000	6000	09/29/2020 18:17	WG1550698
2-Nitrophenol	ND		2000	6000	09/29/2020 18:17	WG1550698
4-Nitrophenol	ND		2000	6000	09/29/2020 18:17	WG1550698
Pentachlorophenol	ND		2000	6000	09/29/2020 18:17	WG1550698
Phenol	ND		2000	6000	09/29/2020 18:17	WG1550698
2,4,6-Trichlorophenol	ND		2000	6000	09/29/2020 18:17	WG1550698
(S) 2-Fluorophenol	*0.000*	J7	*60.0-140*		*09/29/2020 18:17*	WG1550698
(S) Phenol-d5	*0.000*	J7	*60.0-140*		*09/29/2020 18:17*	WG1550698
(S) Nitrobenzene-d5	*0.000*	J7	*60.0-140*		*09/29/2020 18:17*	WG1550698
(S) 2-Fluorobiphenyl	*0.000*	J7	*60.0-140*		*09/29/2020 18:17*	WG1550698
(S) 2,4,6-Tribromophenol	*0.000*	J7	*60.0-140*		*09/29/2020 18:17*	WG1550698
(S) p-Terphenyl-d14	*0.000*	J7	*60.0-140*		*09/29/2020 18:17*	WG1550698

Sample Narrative:

L1265781-04 WG1550698: Waste Dilution

Semi Volatile Organic Compounds (GC/MS) by Method 8270C - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Nonanoic Acid	1440	J N	0.000	6000	09/29/2020 18:17	WG1550698	000112-05-0	4
Phenol, 2,6-Bis(1,1-Dimethylethyl)	336	J N	0.000	6000	09/29/2020 18:17	WG1550698	000128-39-2	4.70
Unknown-03	323	J N	0.000	6000	09/29/2020 18:17	WG1550698	007098-22-8	5.97
Unknown-04	319	J N	0.000	6000	09/29/2020 18:17	WG1550698	000630-07-9	7.77
Unknown-01	275	J N	0.000	6000	09/29/2020 18:17	WG1550698	000124-19-6	3.42
Tetradecane	250	J N	0.000	6000	09/29/2020 18:17	WG1550698	000629-59-4	5.40
Pentatriacontane	244	J N	0.000	6000	09/29/2020 18:17	WG1550698	000630-07-9	5.62
Hexadecanoic Acid, Methyl Ester	224	J N	0.000	6000	09/29/2020 18:17	WG1550698	000112-39-0	6.36
Unknown-02	210	J N	0.000	6000	09/29/2020 18:17	WG1550698	050656-61-6	5.86

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	397000		24000	6000	09/29/2020 09:36	WG1550286
C28-C40 Oil Range	618000		24000	6000	09/29/2020 09:36	WG1550286
(S) o-Terphenyl	*0.000*	J7	*60.0-140*		*09/29/2020 09:36*	WG1550286

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		200	6000	09/29/2020 18:38	WG1550698
Acenaphthylene	ND		200	6000	09/29/2020 18:38	WG1550698
Anthracene	ND		200	6000	09/29/2020 18:38	WG1550698
Benzidine	ND		10000	6000	09/29/2020 18:38	WG1550698
Benzo(a)anthracene	ND		200	6000	09/29/2020 18:38	WG1550698
Benzo(b)fluoranthene	ND		200	6000	09/29/2020 18:38	WG1550698
Benzo(k)fluoranthene	ND		200	6000	09/29/2020 18:38	WG1550698
Benzo(g,h,i)perylene	ND		200	6000	09/29/2020 18:38	WG1550698
Benzo(a)pyrene	ND		200	6000	09/29/2020 18:38	WG1550698
Bis(2-chlorethoxy)methane	ND		2000	6000	09/29/2020 18:38	WG1550698
Bis(2-chloroethyl)ether	ND		2000	6000	09/29/2020 18:38	WG1550698
2,2-Oxybis(1-Chloropropane)	ND		2000	6000	09/29/2020 18:38	WG1550698
4-Bromophenyl-phenylether	ND		2000	6000	09/29/2020 18:38	WG1550698
2-Chloronaphthalene	ND		200	6000	09/29/2020 18:38	WG1550698
4-Chlorophenyl-phenylether	ND		2000	6000	09/29/2020 18:38	WG1550698
Chrysene	ND		200	6000	09/29/2020 18:38	WG1550698
Dibenz(a,h)anthracene	ND		200	6000	09/29/2020 18:38	WG1550698
3,3-Dichlorobenzidine	ND		2000	6000	09/29/2020 18:38	WG1550698
2,4-Dinitrotoluene	ND		2000	6000	09/29/2020 18:38	WG1550698
2,6-Dinitrotoluene	ND		2000	6000	09/29/2020 18:38	WG1550698
Fluoranthene	ND		200	6000	09/29/2020 18:38	WG1550698
Fluorene	ND		200	6000	09/29/2020 18:38	WG1550698
Hexachlorobenzene	ND		2000	6000	09/29/2020 18:38	WG1550698
Hexachloro-1,3-butadiene	ND		2000	6000	09/29/2020 18:38	WG1550698
Hexachlorocyclopentadiene	ND		2000	6000	09/29/2020 18:38	WG1550698
Hexachloroethane	ND		2000	6000	09/29/2020 18:38	WG1550698
Indeno(1,2,3-cd)pyrene	ND		200	6000	09/29/2020 18:38	WG1550698
Isophorone	ND		2000	6000	09/29/2020 18:38	WG1550698
Naphthalene	ND		200	6000	09/29/2020 18:38	WG1550698
Nitrobenzene	ND		2000	6000	09/29/2020 18:38	WG1550698
n-Nitrosodimethylamine	ND		2000	6000	09/29/2020 18:38	WG1550698
n-Nitrosodiphenylamine	ND		2000	6000	09/29/2020 18:38	WG1550698
n-Nitrosodi-n-propylamine	ND		2000	6000	09/29/2020 18:38	WG1550698
Phenanthrene	ND		200	6000	09/29/2020 18:38	WG1550698
Benzylbutyl phthalate	ND		2000	6000	09/29/2020 18:38	WG1550698
Bis(2-ethylhexyl)phthalate	ND		2000	6000	09/29/2020 18:38	WG1550698
Di-n-butyl phthalate	ND		2000	6000	09/29/2020 18:38	WG1550698
Diethyl phthalate	ND		2000	6000	09/29/2020 18:38	WG1550698
Dimethyl phthalate	ND		2000	6000	09/29/2020 18:38	WG1550698
Di-n-octyl phthalate	ND		2000	6000	09/29/2020 18:38	WG1550698
Pyrene	ND		200	6000	09/29/2020 18:38	WG1550698
1,2,4-Trichlorobenzene	ND		2000	6000	09/29/2020 18:38	WG1550698
4-Chloro-3-methylphenol	ND		2000	6000	09/29/2020 18:38	WG1550698
2-Chlorophenol	ND		2000	6000	09/29/2020 18:38	WG1550698
2,4-Dichlorophenol	ND		2000	6000	09/29/2020 18:38	WG1550698
2,4-Dimethylphenol	ND		2000	6000	09/29/2020 18:38	WG1550698
4,6-Dinitro-2-methylphenol	ND		2000	6000	09/29/2020 18:38	WG1550698
2,4-Dinitrophenol	ND	J4	2000	6000	09/29/2020 18:38	WG1550698

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
2-Nitrophenol	ND		2000	6000	09/29/2020 18:38	WG1550698
4-Nitrophenol	ND		2000	6000	09/29/2020 18:38	WG1550698
Pentachlorophenol	ND		2000	6000	09/29/2020 18:38	WG1550698
Phenol	ND		2000	6000	09/29/2020 18:38	WG1550698
2,4,6-Trichlorophenol	ND		2000	6000	09/29/2020 18:38	WG1550698
(S) 2-Fluorophenol	*0.000*	J7	*60.0-140*		*09/29/2020 18:38*	WG1550698
(S) Phenol-d5	*0.000*	J7	*60.0-140*		*09/29/2020 18:38*	WG1550698
(S) Nitrobenzene-d5	*0.000*	J7	*60.0-140*		*09/29/2020 18:38*	WG1550698
(S) 2-Fluorobiphenyl	*0.000*	J7	*60.0-140*		*09/29/2020 18:38*	WG1550698
(S) 2,4,6-Tribromophenol	*0.000*	J7	*60.0-140*		*09/29/2020 18:38*	WG1550698
(S) p-Terphenyl-d14	*0.000*	J7	*60.0-140*		*09/29/2020 18:38*	WG1550698

Sample Narrative:

L1265781-05 WG1550698: Waste Dilution

Semi Volatile Organic Compounds (GC/MS) by Method 8270C - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Heneicosane, 11-Decyl-	442	J N	0.000	6000	09/29/2020 18:38	WG1550698	055320-06-4	7.77
Unknown-01	341	J N	0.000	6000	09/29/2020 18:38	WG1550698	000630-06-8	7.05
Octadecane, 1-Chloro-	203	J N	0.000	6000	09/29/2020 18:38	WG1550698	003386-33-2	7.26
Unknown-02	188	J N	0.000	6000	09/29/2020 18:38	WG1550698	004536-30-5	7.39

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Method Blank (MB)

(MB) R3575499-2 09/27/20 19:20

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*108*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3575499-1 09/27/20 18:37

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.30	96.4	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*101*	*78.0-120*	

L1264780-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1264780-06 09/27/20 19:43 • (MS) R3575499-3 09/28/20 03:33 • (MSD) R3575499-4 09/28/20 03:54

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	ND	3.06	2.44	55.6	44.4	1	10.0-160		J3	22.5	22
(S) a,a,a-Trifluorotoluene(FID)					*99.8*	*101*		*78.0-120*				

Method Blank (MB)

(MB) R3575743-2 09/29/20 11:20

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*109*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3575743-1 09/29/20 10:24

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.46	99.3	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*96.9*	*78.0-120*	

Method Blank (MB)

(MB) R3575060-3 09/27/20 04:28

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Acrolein	U		0.00254	0.0500
Acrylonitrile	U		0.000671	0.0100
Benzene	U		0.0000941	0.00100
Bromobenzene	U		0.000118	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
tert-Butylbenzene	U		0.000127	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
2-Chlorotoluene	U		0.000106	0.00100
4-Chlorotoluene	U		0.000114	0.00100
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500
1,2-Dibromoethane	U		0.000126	0.00100
Dibromomethane	U		0.000122	0.00100
1,2-Dichlorobenzene	U		0.000107	0.00100
1,3-Dichlorobenzene	U		0.000110	0.00100
1,4-Dichlorobenzene	U		0.000120	0.00100
Dichlorodifluoromethane	U		0.000374	0.00500
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
1,1-Dichloropropene	U		0.000142	0.00100
1,3-Dichloropropane	U		0.000110	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
2,2-Dichloropropane	U		0.000161	0.00100
Di-isopropyl ether	U		0.000105	0.00100
Ethylbenzene	U		0.000137	0.00100
Hexachloro-1,3-butadiene	U		0.000337	0.00100

Method Blank (MB)

(MB) R3575060-3 09/27/20 04:28

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100
1,2,3-Trichlorobenzene	U		0.000230	0.00100
1,2,4-Trichlorobenzene	U		0.000481	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
Trichlorofluoromethane	U		0.000160	0.00500
1,2,3-Trichloropropane	U		0.000237	0.00250
1,2,3-Trimethylbenzene	0.000192	J	0.000104	0.00100
1,2,4-Trimethylbenzene	0.000456	J	0.000322	0.00100
1,3,5-Trimethylbenzene	0.000135	J	0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	0.000713	J	0.000174	0.00300
(S) Toluene-d8	*109*			*80.0-120*
(S) 4-Bromofluorobenzene	*97.2*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*84.4*			*70.0-130*

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

(LCS) R3575060-1 09/27/20 03:27 • (LCSD) R3575060-2 09/27/20 03:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0229	0.0224	91.6	89.6	19.0-160			2.21	27
Acrolein	0.0250	0.0382	0.0369	153	148	10.0-160			3.46	26
Acrylonitrile	0.0250	0.0238	0.0235	95.2	94.0	55.0-149			1.27	20
Benzene	0.00500	0.00504	0.00481	101	96.2	70.0-123			4.67	20

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

(LCS) R3575060-1 09/27/20 03:27 • (LCSD) R3575060-2 09/27/20 03:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromobenzene	0.00500	0.00511	0.00491	102	98.2	73.0-121			3.99	20
Bromodichloromethane	0.00500	0.00439	0.00442	87.8	88.4	75.0-120			0.681	20
Bromoform	0.00500	0.00451	0.00446	90.2	89.2	68.0-132			1.11	20
Bromomethane	0.00500	0.00455	0.00431	91.0	86.2	10.0-160			5.42	25
n-Butylbenzene	0.00500	0.00454	0.00484	90.8	96.8	73.0-125			6.40	20
sec-Butylbenzene	0.00500	0.00473	0.00492	94.6	98.4	75.0-125			3.94	20
tert-Butylbenzene	0.00500	0.00481	0.00481	96.2	96.2	76.0-124			0.000	20
Carbon tetrachloride	0.00500	0.00453	0.00456	90.6	91.2	68.0-126			0.660	20
Chlorobenzene	0.00500	0.00506	0.00498	101	99.6	80.0-121			1.59	20
Chlorodibromomethane	0.00500	0.00476	0.00478	95.2	95.6	77.0-125			0.419	20
Chloroethane	0.00500	0.00440	0.00428	88.0	85.6	47.0-150			2.76	20
Chloroform	0.00500	0.00441	0.00457	88.2	91.4	73.0-120			3.56	20
Chloromethane	0.00500	0.00416	0.00421	83.2	84.2	41.0-142			1.19	20
2-Chlorotoluene	0.00500	0.00467	0.00470	93.4	94.0	76.0-123			0.640	20
4-Chlorotoluene	0.00500	0.00454	0.00469	90.8	93.8	75.0-122			3.25	20
1,2-Dibromo-3-Chloropropane	0.00500	0.00429	0.00488	85.8	97.6	58.0-134			12.9	20
1,2-Dibromoethane	0.00500	0.00489	0.00493	97.8	98.6	80.0-122			0.815	20
Dibromomethane	0.00500	0.00469	0.00448	93.8	89.6	80.0-120			4.58	20
1,2-Dichlorobenzene	0.00500	0.00484	0.00490	96.8	98.0	79.0-121			1.23	20
1,3-Dichlorobenzene	0.00500	0.00513	0.00531	103	106	79.0-120			3.45	20
1,4-Dichlorobenzene	0.00500	0.00459	0.00459	91.8	91.8	79.0-120			0.000	20
Dichlorodifluoromethane	0.00500	0.00408	0.00389	81.6	77.8	51.0-149			4.77	20
1,1-Dichloroethane	0.00500	0.00460	0.00477	92.0	95.4	70.0-126			3.63	20
1,2-Dichloroethane	0.00500	0.00427	0.00425	85.4	85.0	70.0-128			0.469	20
1,1-Dichloroethene	0.00500	0.00483	0.00436	96.6	87.2	71.0-124			10.2	20
cis-1,2-Dichloroethene	0.00500	0.00479	0.00470	95.8	94.0	73.0-120			1.90	20
trans-1,2-Dichloroethene	0.00500	0.00511	0.00489	102	97.8	73.0-120			4.40	20
1,2-Dichloropropane	0.00500	0.00482	0.00465	96.4	93.0	77.0-125			3.59	20
1,1-Dichloropropene	0.00500	0.00476	0.00464	95.2	92.8	74.0-126			2.55	20
1,3-Dichloropropane	0.00500	0.00498	0.00495	99.6	99.0	80.0-120			0.604	20
cis-1,3-Dichloropropene	0.00500	0.00469	0.00461	93.8	92.2	80.0-123			1.72	20
trans-1,3-Dichloropropene	0.00500	0.00451	0.00476	90.2	95.2	78.0-124			5.39	20
2,2-Dichloropropane	0.00500	0.00487	0.00492	97.4	98.4	58.0-130			1.02	20
Di-isopropyl ether	0.00500	0.00477	0.00465	95.4	93.0	58.0-138			2.55	20
Ethylbenzene	0.00500	0.00510	0.00505	102	101	79.0-123			0.985	20
Hexachloro-1,3-butadiene	0.00500	0.00447	0.00448	89.4	89.6	54.0-138			0.223	20
Isopropylbenzene	0.00500	0.00479	0.00482	95.8	96.4	76.0-127			0.624	20
p-Isopropyltoluene	0.00500	0.00469	0.00482	93.8	96.4	76.0-125			2.73	20
2-Butanone (MEK)	0.0250	0.0230	0.0230	92.0	92.0	44.0-160			0.000	20
Methylene Chloride	0.00500	0.00477	0.00444	95.4	88.8	67.0-120			7.17	20

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

(LCS) R3575060-1 09/27/20 03:27 • (LCSD) R3575060-2 09/27/20 03:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	0.0250	0.0243	0.0247	97.2	98.8	68.0-142			1.63	20
Methyl tert-butyl ether	0.00500	0.00480	0.00459	96.0	91.8	68.0-125			4.47	20
Naphthalene	0.00500	0.00585	0.00603	117	121	54.0-135			3.03	20
n-Propylbenzene	0.00500	0.00486	0.00502	97.2	100	77.0-124			3.24	20
Styrene	0.00500	0.00471	0.00452	94.2	90.4	73.0-130			4.12	20
1,1,1,2-Tetrachloroethane	0.00500	0.00457	0.00477	91.4	95.4	75.0-125			4.28	20
1,1,2,2-Tetrachloroethane	0.00500	0.00528	0.00553	106	111	65.0-130			4.63	20
Tetrachloroethene	0.00500	0.00502	0.00474	100	94.8	72.0-132			5.74	20
Toluene	0.00500	0.00511	0.00500	102	100	79.0-120			2.18	20
1,1,2-Trichlorotrifluoroethane	0.00500	0.00474	0.00448	94.8	89.6	69.0-132			5.64	20
1,2,3-Trichlorobenzene	0.00500	0.00498	0.00545	99.6	109	50.0-138			9.01	20
1,2,4-Trichlorobenzene	0.00500	0.00490	0.00481	98.0	96.2	57.0-137			1.85	20
1,1,1-Trichloroethane	0.00500	0.00446	0.00450	89.2	90.0	73.0-124			0.893	20
1,1,2-Trichloroethane	0.00500	0.00501	0.00526	100	105	80.0-120			4.87	20
Trichloroethene	0.00500	0.00496	0.00467	99.2	93.4	78.0-124			6.02	20
Trichlorofluoromethane	0.00500	0.00388	0.00383	77.6	76.6	59.0-147			1.30	20
1,2,3-Trichloropropane	0.00500	0.00505	0.00480	101	96.0	73.0-130			5.08	20
1,2,3-Trimethylbenzene	0.00500	0.00513	0.00524	103	105	77.0-120			2.12	20
1,2,4-Trimethylbenzene	0.00500	0.00551	0.00537	110	107	76.0-121			2.57	20
1,3,5-Trimethylbenzene	0.00500	0.00488	0.00524	97.6	105	76.0-122			7.11	20
Vinyl chloride	0.00500	0.00428	0.00417	85.6	83.4	67.0-131			2.60	20
Xylenes, Total	0.0150	0.0163	0.0159	109	106	79.0-123			2.48	20
(S) Toluene-d8				*102*	*104*	*80.0-120*				
(S) 4-Bromofluorobenzene				*101*	*99.1*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*85.7*	*83.8*	*70.0-130*				

L1265781-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1265781-03 09/27/20 12:21 • (MS) R3575060-4 09/27/20 12:42 • (MSD) R3575060-5 09/27/20 13:02

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acrolein	25.0	ND	50.7	55.4	203	222	1000	10.0-160	J5	J5	8.86	39
Acrylonitrile	25.0	ND	37.0	36.6	148	146	1000	21.0-160			1.09	32
Benzene	5.00	ND	6.10	5.98	122	120	1000	17.0-158			1.99	27
Bromodichloromethane	5.00	ND	5.75	6.00	115	120	1000	31.0-150			4.26	27
Bromoform	5.00	ND	6.39	6.98	128	140	1000	29.0-150			8.83	29
Bromomethane	5.00	ND	5.40	5.33	108	107	1000	10.0-160			1.30	38
Carbon tetrachloride	5.00	ND	5.85	6.07	117	121	1000	23.0-159			3.69	28
Chlorobenzene	5.00	ND	6.37	6.45	127	129	1000	33.0-152			1.25	27

L1265781-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1265781-03 09/27/20 12:21 • (MS) R3575060-4 09/27/20 12:42 • (MSD) R3575060-5 09/27/20 13:02

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chlorodibromomethane	5.00	ND	6.71	6.81	134	136	1000	37.0-149			1.48	27
Chloroethane	5.00	ND	5.36	5.47	107	109	1000	10.0-160			2.03	30
Chloroform	5.00	ND	5.99	5.93	120	119	1000	29.0-154			1.01	28
Chloromethane	5.00	ND	5.45	5.37	109	107	1000	10.0-160			1.48	29
1,2-Dichlorobenzene	5.00	ND	6.07	6.36	121	127	1000	34.0-149			4.67	28
1,3-Dichlorobenzene	5.00	ND	6.65	6.70	133	134	1000	36.0-146			0.749	27
Acetone	25.0	ND	ND	ND	126	128	1000	10.0-160			2.20	35
1,4-Dichlorobenzene	5.00	ND	5.66	5.78	113	116	1000	35.0-142			2.10	27
Dichlorodifluoromethane	5.00	ND	5.55	5.63	111	113	1000	10.0-160			1.43	29
Bromobenzene	5.00	ND	6.31	6.27	126	125	1000	30.0-149			0.636	28
1,1-Dichloroethane	5.00	ND	6.23	6.09	125	122	1000	25.0-158			2.27	27
1,2-Dichloroethane	5.00	ND	5.82	5.75	116	115	1000	29.0-151			1.21	27
1,1-Dichloroethene	5.00	ND	6.50	6.18	130	124	1000	11.0-160			5.05	29
trans-1,2-Dichloroethene	5.00	ND	6.16	6.36	123	127	1000	17.0-153			3.19	27
1,2-Dichloropropane	5.00	ND	6.44	6.34	129	127	1000	30.0-156			1.56	27
n-Butylbenzene	5.00	ND	5.80	5.80	116	116	1000	31.0-150			0.000	30
sec-Butylbenzene	5.00	ND	6.13	6.03	123	121	1000	33.0-155			1.64	29
tert-Butylbenzene	5.00	ND	5.82	5.85	116	117	1000	34.0-153			0.514	28
cis-1,3-Dichloropropene	5.00	ND	5.85	5.94	117	119	1000	34.0-149			1.53	28
trans-1,3-Dichloropropene	5.00	ND	6.12	6.48	122	130	1000	32.0-149			5.71	28
Ethylbenzene	5.00	ND	5.84	6.02	117	120	1000	30.0-155			3.04	27
2-Chlorotoluene	5.00	ND	5.92	5.90	118	118	1000	32.0-153			0.338	28
4-Chlorotoluene	5.00	ND	5.80	5.64	116	113	1000	32.0-150			2.80	28
1,2-Dibromo-3-Chloropropane	5.00	ND	7.53	8.25	151	165	1000	22.0-151		J5	9.13	34
1,2-Dibromoethane	5.00	ND	7.00	7.15	140	143	1000	34.0-147			2.12	27
Dibromomethane	5.00	ND	6.58	6.68	132	134	1000	30.0-151			1.51	27
Methylene Chloride	5.00	ND	5.90	5.95	118	119	1000	23.0-144			0.844	28
Methyl tert-butyl ether	5.00	ND	6.70	6.70	134	134	1000	28.0-150			0.000	29
Naphthalene	5.00	ND	6.91	7.40	138	148	1000	12.0-156			6.85	35
cis-1,2-Dichloroethene	5.00	ND	6.26	6.17	125	123	1000	10.0-160			1.45	27
Styrene	5.00	ND	6.11	6.23	122	125	1000	33.0-155			1.94	28
1,1,2,2-Tetrachloroethane	5.00	ND	7.98	8.10	160	162	1000	33.0-150	J5	J5	1.49	28
1,1-Dichloropropene	5.00	ND	6.00	5.91	120	118	1000	25.0-158			1.51	27
Tetrachloroethene	5.00	ND	6.33	6.43	127	129	1000	10.0-160			1.57	27
1,3-Dichloropropane	5.00	ND	6.72	7.12	134	142	1000	38.0-147			5.78	27
Toluene	5.00	ND	6.07	6.21	121	124	1000	26.0-154			2.28	28
2,2-Dichloropropane	5.00	ND	5.07	5.15	101	103	1000	24.0-152			1.57	29
1,1,1-Trichloroethane	5.00	ND	5.78	6.02	116	120	1000	23.0-160			4.07	28
Di-isopropyl ether	5.00	ND	5.93	5.87	119	117	1000	21.0-160			1.02	28
1,1,2-Trichloroethane	5.00	ND	6.64	6.97	133	139	1000	35.0-147			4.85	27

L1265781-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1265781-03 09/27/20 12:21 • (MS) R3575060-4 09/27/20 12:42 • (MSD) R3575060-5 09/27/20 13:02

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Trichloroethene	5.00	ND	6.03	6.02	121	120	1000	10.0-160			0.166	25
Trichlorofluoromethane	5.00	ND	5.20	5.64	104	113	1000	17.0-160			8.12	31
Hexachloro-1,3-butadiene	5.00	ND	5.88	5.80	118	116	1000	20.0-154			1.37	34
Isopropylbenzene	5.00	ND	6.07	6.33	121	127	1000	28.0-157			4.19	27
p-Isopropyltoluene	5.00	ND	5.85	5.95	117	119	1000	30.0-154			1.69	29
2-Butanone (MEK)	25.0	ND	36.5	36.9	146	148	1000	10.0-160			1.09	32
Vinyl chloride	5.00	ND	5.33	5.47	107	109	1000	10.0-160			2.59	27
Xylenes, Total	15.0	ND	18.0	18.6	120	124	1000	29.0-154			3.28	28
4-Methyl-2-pentanone (MIBK)	25.0	ND	38.3	40.5	153	162	1000	29.0-160		J5	5.58	29
n-Propylbenzene	5.00	ND	6.06	5.99	121	120	1000	31.0-154			1.16	28
1,1,1,2-Tetrachloroethane	5.00	ND	5.98	6.03	120	121	1000	36.0-151			0.833	29
1,1,2-Trichlorotrifluoroethane	5.00	ND	6.37	6.04	127	121	1000	23.0-160			5.32	30
1,2,3-Trichlorobenzene	5.00	ND	6.61	7.55	132	151	1000	17.0-150		J5	13.3	36
1,2,4-Trichlorobenzene	5.00	ND	6.42	6.61	128	132	1000	24.0-150			2.92	33
1,2,3-Trichloropropane	5.00	ND	7.27	7.35	145	147	1000	34.0-151			1.09	29
1,2,3-Trimethylbenzene	5.00	ND	6.21	5.99	124	120	1000	32.0-149			3.61	28
1,2,4-Trimethylbenzene	5.00	ND	6.10	5.72	122	114	1000	26.0-154			6.43	27
1,3,5-Trimethylbenzene	5.00	ND	5.84	6.10	117	122	1000	28.0-153			4.36	27
(S) Toluene-d8					*102*	*104*		*80.0-120*				
(S) 4-Bromofluorobenzene					*99.8*	*100*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*89.5*	*91.3*		*70.0-130*				

Sample Narrative:

OS: Elevated RL due to sample matrix.

Method Blank (MB)

(MB) R3575604-1 09/29/20 07:50

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		483	1200
C28-C40 Oil Range	U		82.2	1200
(S) o-Terphenyl	*90.5*			*60.0-140*

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

(LCS) R3575604-2 09/29/20 08:03 • (LCSD) R3575604-3 09/29/20 08:16

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	10000	9320	9100	93.2	91.0	60.0-140			2.39	20
(S) o-Terphenyl				*233*	*228*	*60.0-140*	J1	J1		

Method Blank (MB)

(MB) R3575625-1 09/28/20 17:24

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
C10-C28 Diesel Range	U		0.0222	0.100
C28-C40 Oil Range	U		0.0118	0.100
(S) o-Terphenyl	*98.5*			*52.0-156*

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

(LCS) R3575625-2 09/28/20 17:49 • (LCSD) R3575625-3 09/28/20 18:15

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	1.50	1.60	1.57	107	105	50.0-150			1.89	20
(S) o-Terphenyl				*97.0*	*93.0*	*52.0-156*				

Method Blank (MB)

(MB) R3575054-2 09/25/20 11:49

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acenaphthene	U		0.0000886	0.00100
Acenaphthylene	U		0.0000921	0.00100
Anthracene	U		0.0000804	0.00100
Benzidine	U		0.00374	0.0100
Benzo(a)anthracene	U		0.000199	0.00100
Benzo(b)fluoranthene	U		0.000130	0.00100
Benzo(k)fluoranthene	U		0.000120	0.00100
Benzo(g,h,i)perylene	U		0.000121	0.00100
Benzo(a)pyrene	U		0.0000381	0.00100
Bis(2-chlorethoxy)methane	U		0.000116	0.0100
Bis(2-chloroethyl)ether	U		0.000137	0.0100
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100
4-Bromophenyl-phenylether	U		0.0000877	0.0100
2-Chloronaphthalene	U		0.0000648	0.00100
4-Chlorophenyl-phenylether	U		0.0000926	0.0100
Chrysene	U		0.000130	0.00100
Dibenz(a,h)anthracene	U		0.0000644	0.00100
3,3-Dichlorobenzidine	U		0.000212	0.0100
2,4-Dinitrotoluene	U		0.0000983	0.0100
2,6-Dinitrotoluene	U		0.000250	0.0100
Fluoranthene	U		0.000102	0.00100
Fluorene	U		0.0000844	0.00100
Hexachlorobenzene	U		0.0000755	0.00100
Hexachloro-1,3-butadiene	U		0.0000968	0.0100
Hexachlorocyclopentadiene	U		0.0000598	0.0100
Hexachloroethane	U		0.000127	0.0100
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100
Isophorone	U		0.000143	0.0100
Naphthalene	U		0.000159	0.00100
Nitrobenzene	U		0.000297	0.0100
n-Nitrosodimethylamine	U		0.000998	0.0100
n-Nitrosodiphenylamine	U		0.00237	0.0100
n-Nitrosodi-n-propylamine	U		0.000261	0.0100
Phenanthrene	U		0.000112	0.00100
Benzylbutyl phthalate	U		0.000765	0.00300
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300
Di-n-butyl phthalate	U		0.000453	0.00300
Diethyl phthalate	U		0.000287	0.00300
Dimethyl phthalate	U		0.000260	0.00300
Di-n-octyl phthalate	U		0.000932	0.00300

Method Blank (MB)

(MB) R3575054-2 09/25/20 11:49

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Pyrene	U		0.000107	0.00100
1,2,4-Trichlorobenzene	U		0.0000698	0.0100
4-Chloro-3-methylphenol	U		0.000131	0.0100
2-Chlorophenol	U		0.000133	0.0100
2,4-Dichlorophenol	U		0.000102	0.0100
2,4-Dimethylphenol	U		0.0000636	0.0100
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100
2,4-Dinitrophenol	U		0.00593	0.0100
2-Nitrophenol	U		0.000117	0.0100
4-Nitrophenol	U		0.000143	0.0100
Pentachlorophenol	U		0.000313	0.0100
Phenol	U		0.00433	0.0100
2,4,6-Trichlorophenol	U		0.000100	0.0100
(S) 2-Fluorophenol	*25.3*			*10.0-120*
(S) Phenol-d5	*17.4*			*10.0-120*
(S) Nitrobenzene-d5	*39.7*			*10.0-127*
(S) 2-Fluorobiphenyl	*46.7*			*10.0-130*
(S) 2,4,6-Tribromophenol	*44.3*			*10.0-155*
(S) p-Terphenyl-d14	*49.3*			*10.0-128*

Laboratory Control Sample (LCS)

(LCS) R3575054-1 09/25/20 11:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.0500	0.0216	43.2	41.0-120	
Acenaphthylene	0.0500	0.0241	48.2	43.0-120	
Anthracene	0.0500	0.0240	48.0	45.0-120	
Benzidine	0.100	0.000566	0.566	10.0-120	J4
Benzo(a)anthracene	0.0500	0.0234	46.8	47.0-120	J4
Benzo(b)fluoranthene	0.0500	0.0225	45.0	46.0-120	J4
Benzo(k)fluoranthene	0.0500	0.0224	44.8	46.0-120	J4
Benzo(g,h,i)perylene	0.0500	0.0251	50.2	48.0-121	
Benzo(a)pyrene	0.0500	0.0241	48.2	47.0-120	
Bis(2-chlorethoxy)methane	0.0500	0.0216	43.2	33.0-120	
Bis(2-chloroethyl)ether	0.0500	0.0251	50.2	23.0-120	
2,2-Oxybis(1-Chloropropane)	0.0500	0.0227	45.4	28.0-120	
4-Bromophenyl-phenylether	0.0500	0.0245	49.0	45.0-120	
2-Chloronaphthalene	0.0500	0.0226	45.2	37.0-120	

Laboratory Control Sample (LCS)

(LCS) R3575054-1 09/25/20 11:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Chlorophenyl-phenylether	0.0500	0.0230	46.0	44.0-120	
Chrysene	0.0500	0.0214	42.8	48.0-120	J4
Dibenz(a,h)anthracene	0.0500	0.0243	48.6	47.0-120	
3,3-Dichlorobenzidine	0.100	0.0452	45.2	44.0-120	
2,4-Dinitrotoluene	0.0500	0.0255	51.0	49.0-124	
2,6-Dinitrotoluene	0.0500	0.0240	48.0	46.0-120	
Fluoranthene	0.0500	0.0239	47.8	51.0-120	J4
Fluorene	0.0500	0.0225	45.0	47.0-120	J4
Hexachlorobenzene	0.0500	0.0238	47.6	44.0-120	
Hexachloro-1,3-butadiene	0.0500	0.0205	41.0	19.0-120	
Hexachlorocyclopentadiene	0.0500	0.0171	34.2	15.0-120	
Hexachloroethane	0.0500	0.0200	40.0	15.0-120	
Indeno(1,2,3-cd)pyrene	0.0500	0.0254	50.8	49.0-122	
Isophorone	0.0500	0.0222	44.4	36.0-120	
Naphthalene	0.0500	0.0202	40.4	27.0-120	
Nitrobenzene	0.0500	0.0210	42.0	27.0-120	
n-Nitrosodimethylamine	0.0500	0.0120	24.0	10.0-120	
n-Nitrosodiphenylamine	0.0500	0.0221	44.2	47.0-120	J4
n-Nitrosodi-n-propylamine	0.0500	0.0259	51.8	31.0-120	
Phenanthrene	0.0500	0.0233	46.6	46.0-120	
Benzylbutyl phthalate	0.0500	0.0256	51.2	43.0-121	
Bis(2-ethylhexyl)phthalate	0.0500	0.0244	48.8	43.0-122	
Di-n-butyl phthalate	0.0500	0.0262	52.4	49.0-121	
Diethyl phthalate	0.0500	0.0255	51.0	48.0-122	
Dimethyl phthalate	0.0500	0.0246	49.2	48.0-120	
Di-n-octyl phthalate	0.0500	0.0229	45.8	42.0-125	
Pyrene	0.0500	0.0231	46.2	47.0-120	J4
1,2,4-Trichlorobenzene	0.0500	0.0192	38.4	24.0-120	
4-Chloro-3-methylphenol	0.0500	0.0205	41.0	40.0-120	
2-Chlorophenol	0.0500	0.0211	42.2	25.0-120	
2,4-Dichlorophenol	0.0500	0.0215	43.0	36.0-120	
2,4-Dimethylphenol	0.0500	0.0226	45.2	33.0-120	
4,6-Dinitro-2-methylphenol	0.0500	0.0228	45.6	38.0-138	
2,4-Dinitrophenol	0.0500	0.0204	40.8	10.0-120	
2-Nitrophenol	0.0500	0.0249	49.8	31.0-120	
4-Nitrophenol	0.0500	0.0100	20.0	10.0-120	
Pentachlorophenol	0.0500	0.0208	41.6	23.0-120	
Phenol	0.0500	0.00850	17.0	10.0-120	
2,4,6-Trichlorophenol	0.0500	0.0239	47.8	42.0-120	
(S) 2-Fluorophenol			*24.3*	*10.0-120*	

Laboratory Control Sample (LCS)

(LCS) R3575054-1 09/25/20 11:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) Phenol-d5			*16.6*	*10.0-120*	
(S) Nitrobenzene-d5			*38.2*	*10.0-127*	
(S) 2-Fluorobiphenyl			*46.0*	*10.0-130*	
(S) 2,4,6-Tribromophenol			*54.5*	*10.0-155*	
(S) p-Terphenyl-d14			*46.2*	*10.0-128*	

L1264389-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1264389-01 09/25/20 12:53 • (MS) R3575054-3 09/25/20 13:14 • (MSD) R3575054-4 09/25/20 13:35

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.0455	ND	0.0231	0.0216	50.8	47.5	1	28.0-120			6.71	25
Acenaphthylene	0.0455	ND	0.0253	0.0238	55.6	52.3	1	31.0-121			6.11	25
Anthracene	0.0455	ND	0.0253	0.0244	55.6	53.6	1	36.0-120			3.62	23
Benzidine	0.0910	ND	ND	ND	0.000	0.000	1	10.0-120	J6	J6	0.000	37
Benzo(a)anthracene	0.0455	ND	0.0237	0.0245	52.1	53.8	1	39.0-120			3.32	23
Benzo(b)fluoranthene	0.0455	ND	0.0202	0.0228	44.4	50.1	1	37.0-120			12.1	23
Benzo(k)fluoranthene	0.0455	ND	0.0210	0.0224	46.2	49.2	1	37.0-120			6.45	26
Benzo(g,h,i)perylene	0.0455	ND	0.0220	0.0245	48.4	53.8	1	37.0-123			10.8	25
Benzo(a)pyrene	0.0455	ND	0.0222	0.0243	48.8	53.4	1	37.0-120			9.03	24
Bis(2-chlorethoxy)methane	0.0455	ND	0.0229	0.0216	50.3	47.5	1	17.0-120			5.84	31
Bis(2-chloroethyl)ether	0.0455	ND	0.0264	0.0256	58.0	56.3	1	14.0-120			3.08	33
2,2-Oxybis(1-Chloropropane)	0.0455	ND	0.0248	0.0233	54.5	51.2	1	18.0-120			6.24	34
4-Bromophenyl-phenylether	0.0455	ND	0.0276	0.0257	60.7	56.5	1	37.0-120			7.13	24
2-Chloronaphthalene	0.0455	ND	0.0240	0.0227	52.7	49.9	1	29.0-120			5.57	28
4-Chlorophenyl-phenylether	0.0455	ND	0.0236	0.0234	51.9	51.4	1	36.0-120			0.851	23
Chrysene	0.0455	ND	0.0214	0.0223	47.0	49.0	1	38.0-120			4.12	23
Dibenz(a,h)anthracene	0.0455	ND	0.0216	0.0236	47.5	51.9	1	36.0-121			8.85	24
3,3-Dichlorobenzidine	0.0910	ND	0.0454	0.0439	49.9	48.2	1	10.0-134			3.36	30
2,4-Dinitrotoluene	0.0455	ND	0.0264	0.0255	58.0	56.0	1	39.0-125			3.47	25
2,6-Dinitrotoluene	0.0455	ND	0.0259	0.0250	56.9	54.9	1	36.0-120			3.54	27
Fluoranthene	0.0455	ND	0.0253	0.0245	55.6	53.8	1	41.0-121			3.21	22
Fluorene	0.0455	ND	0.0237	0.0232	52.1	51.0	1	37.0-120			2.13	24
Hexachlorobenzene	0.0455	ND	0.0257	0.0250	56.5	54.9	1	35.0-122			2.76	24
Hexachloro-1,3-butadiene	0.0455	ND	0.0221	0.0206	48.6	45.3	1	12.0-120			7.03	34
Hexachlorocyclopentadiene	0.0455	ND	0.0201	0.0191	44.2	42.0	1	10.0-120			5.10	33
Hexachloroethane	0.0455	ND	0.0213	0.0200	46.8	44.0	1	10.0-120			6.30	40
Indeno(1,2,3-cd)pyrene	0.0455	ND	0.0225	0.0247	49.5	54.3	1	38.0-125			9.32	24
Isophorone	0.0455	ND	0.0234	0.0220	51.4	48.4	1	21.0-120			6.17	27

L1264389-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1264389-01 09/25/20 12:53 • (MS) R3575054-3 09/25/20 13:14 • (MSD) R3575054-4 09/25/20 13:35

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.0455	ND	0.0215	0.0196	47.3	43.1	1	10.0-120			9.25	31
Nitrobenzene	0.0455	ND	0.0224	0.0206	49.2	45.3	1	12.0-120			8.37	30
n-Nitrosodimethylamine	0.0455	ND	0.0128	0.0136	28.1	29.9	1	10.0-120			6.06	40
n-Nitrosodiphenylamine	0.0455	ND	0.0233	0.0222	51.2	48.8	1	37.0-120			4.84	24
n-Nitrosodi-n-propylamine	0.0455	ND	0.0269	0.0252	59.1	55.4	1	16.0-120			6.53	30
Phenanthrene	0.0455	ND	0.0252	0.0239	55.4	52.5	1	33.0-120			5.30	22
Benzylbutyl phthalate	0.0455	ND	0.0266	0.0266	58.5	58.5	1	34.0-126			0.000	24
Bis(2-ethylhexyl)phthalate	0.0455	ND	0.0191	0.0228	42.0	50.1	1	33.0-126			17.7	25
Di-n-butyl phthalate	0.0455	ND	0.0275	0.0267	60.4	58.7	1	35.0-128			2.95	23
Diethyl phthalate	0.0455	ND	0.0266	0.0255	58.5	56.0	1	39.0-125			4.22	24
Dimethyl phthalate	0.0455	ND	0.0254	0.0250	55.8	54.9	1	37.0-120			1.59	24
Di-n-octyl phthalate	0.0455	ND	0.0181	0.0216	39.8	47.5	1	25.0-135			17.6	26
Pyrene	0.0455	ND	0.0248	0.0237	54.5	52.1	1	39.0-120			4.54	22
1,2,4-Trichlorobenzene	0.0455	ND	0.0208	0.0192	45.7	42.2	1	15.0-120			8.00	31
4-Chloro-3-methylphenol	0.0455	ND	0.0207	0.0201	45.5	44.2	1	26.0-120			2.94	27
2-Chlorophenol	0.0455	ND	0.0212	0.0206	46.6	45.3	1	18.0-120			2.87	34
2,4-Dichlorophenol	0.0455	ND	0.0220	0.0209	48.4	45.9	1	19.0-120			5.13	27
2,4-Dimethylphenol	0.0455	ND	0.0225	0.0225	49.5	49.5	1	15.0-120			0.000	28
4,6-Dinitro-2-methylphenol	0.0455	ND	0.0250	0.0241	54.9	53.0	1	10.0-144			3.67	39
2,4-Dinitrophenol	0.0455	ND	0.0229	0.0234	50.3	51.4	1	10.0-120			2.16	40
2-Nitrophenol	0.0455	ND	0.0256	0.0246	56.3	54.1	1	20.0-120			3.98	30
4-Nitrophenol	0.0455	ND	ND	0.0108	21.9	23.7	1	10.0-120			8.19	40
Pentachlorophenol	0.0455	ND	0.0234	0.0223	51.4	49.0	1	10.0-128			4.81	37
Phenol	0.0455	ND	ND	0.0105	20.5	23.1	1	10.0-120			11.6	40
2,4,6-Trichlorophenol	0.0455	ND	0.0251	0.0241	55.2	53.0	1	26.0-120			4.07	31
(S) 2-Fluorophenol					*26.4*	*26.6*		*10.0-120*				
(S) Phenol-d5					*19.1*	*18.7*		*10.0-120*				
(S) Nitrobenzene-d5					*43.7*	*39.9*		*10.0-127*				
(S) 2-Fluorobiphenyl					*53.0*	*48.9*		*10.0-130*				
(S) 2,4,6-Tribromophenol					*61.5*	*59.9*		*10.0-155*				
(S) p-Terphenyl-d14					*46.8*	*52.4*		*10.0-128*				

Sample Narrative:

OS: Marginally low failures in the LCS. Re-extraction is not a viable option due to holding time.

Method Blank (MB)

(MB) R3575696-2 09/29/20 09:13

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		1.62	9.99
Acenaphthylene	U		1.41	9.99
Anthracene	U		1.78	9.99
Benzidine	U		18.8	501
Benzo(a)anthracene	U		1.76	9.99
Benzo(b)fluoranthene	U		1.86	9.99
Benzo(k)fluoranthene	U		1.78	9.99
Benzo(g,h,i)perylene	U		1.83	9.99
Benzo(a)pyrene	U		1.86	9.99
Bis(2-chlorethoxy)methane	U		3.00	99.9
Bis(2-chloroethyl)ether	U		3.30	99.9
2,2-Oxybis(1-Chloropropane)	U		4.32	99.9
4-Bromophenyl-phenylether	U		3.51	99.9
2-Chloronaphthalene	U		1.76	9.99
4-Chlorophenyl-phenylether	U		3.48	99.9
Chrysene	U		1.99	9.99
Dibenz(a,h)anthracene	U		2.77	9.99
3,3-Dichlorobenzidine	U		3.69	99.9
2,4-Dinitrotoluene	U		2.87	99.9
2,6-Dinitrotoluene	U		3.27	99.9
Fluoranthene	U		1.80	9.99
Fluorene	U		1.63	9.99
Hexachlorobenzene	U		3.54	99.9
Hexachloro-1,3-butadiene	U		3.36	99.9
Hexachlorocyclopentadiene	U		5.25	99.9
Hexachloroethane	U		3.93	99.9
Indeno(1,2,3-cd)pyrene	U		2.82	9.99
Isophorone	U		3.06	99.9
Naphthalene	U		2.51	9.99
Nitrobenzene	U		3.48	99.9
n-Nitrosodimethylamine	U		14.8	99.9
n-Nitrosodiphenylamine	U		7.56	99.9
n-Nitrosodi-n-propylamine	U		3.33	99.9
Phenanthrene	U		1.98	9.99
Benzylbutyl phthalate	U		3.12	99.9
Bis(2-ethylhexyl)phthalate	U		12.7	99.9
Di-n-butyl phthalate	U		3.42	99.9
Diethyl phthalate	U		3.30	99.9
Dimethyl phthalate	U		21.2	99.9
Di-n-octyl phthalate	U		6.75	99.9

Method Blank (MB)

(MB) R3575696-2 09/29/20 09:13

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Pyrene	U		1.94	9.99
1,2,4-Trichlorobenzene	U		3.12	99.9
4-Chloro-3-methylphenol	U		3.24	99.9
2-Chlorophenol	U		3.30	99.9
2,4-Dichlorophenol	U		2.91	99.9
2,4-Dimethylphenol	U		2.61	99.9
4,6-Dinitro-2-methylphenol	U		22.7	99.9
2,4-Dinitrophenol	U		23.4	99.9
2-Nitrophenol	U		3.57	99.9
4-Nitrophenol	U		3.12	99.9
Pentachlorophenol	U		2.69	99.9
Phenol	U		4.02	99.9
2,4,6-Trichlorophenol	U		3.21	99.9
(S) Nitrobenzene-d5	*69.9*			*60.0-140*
(S) 2-Fluorobiphenyl	*91.4*			*60.0-140*
(S) p-Terphenyl-d14	*88.1*			*60.0-140*
(S) Phenol-d5	*86.0*			*60.0-140*
(S) 2-Fluorophenol	*99.0*			*60.0-140*
(S) 2,4,6-Tribromophenol	*82.5*			*60.0-140*

Sample Narrative:

BLANK: Waste Dilution

Method Blank (MB) - TENTATIVELY IDENTIFIED COMPOUNDS

(MB) R3575696-2 09/29/20 09:13

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg	CAS #

Number of TICs found: 0

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Laboratory Control Sample (LCS)

(LCS) R3575696-1 09/29/20 08:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	100	87.4	87.4	60.0-140	
Acenaphthylene	100	94.4	94.4	60.0-140	

Laboratory Control Sample (LCS)

(LCS) R3575696-1 09/29/20 08:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	100	92.5	92.5	60.0-140	
Benzo(a)anthracene	100	98.2	98.2	60.0-140	
Benzo(b)fluoranthene	100	95.4	95.4	60.0-140	
Benzo(k)fluoranthene	100	95.5	95.5	60.0-140	
Benzo(g,h,i)perylene	100	92.8	92.8	60.0-140	
Benzo(a)pyrene	100	103	103	60.0-140	
Bis(2-chlorethoxy)methane	100	87.8	87.8	60.0-140	
Bis(2-chloroethyl)ether	100	88.8	88.8	60.0-140	
2,2-Oxybis(1-Chloropropane)	100	90.0	90.0	60.0-140	
4-Bromophenyl-phenylether	100	98.8	98.8	60.0-140	
2-Chloronaphthalene	100	93.8	93.8	60.0-140	
4-Chlorophenyl-phenylether	100	98.6	98.6	60.0-140	
Chrysene	100	95.1	95.1	60.0-140	
Dibenz(a,h)anthracene	100	95.7	95.7	60.0-140	
2,4-Dinitrotoluene	100	111	111	60.0-140	
2,6-Dinitrotoluene	100	101	101	60.0-140	
Fluoranthene	100	93.2	93.2	60.0-140	
Fluorene	100	93.6	93.6	60.0-140	
Hexachlorobenzene	100	98.1	98.1	60.0-140	
Hexachloro-1,3-butadiene	100	109	109	60.0-140	
Hexachlorocyclopentadiene	100	73.0	73.0	60.0-140	
Hexachloroethane	100	101	101	60.0-140	
Indeno(1,2,3-cd)pyrene	100	95.5	95.5	60.0-140	
Isophorone	100	87.1	87.1	60.0-140	
Naphthalene	100	92.4	92.4	60.0-140	
Nitrobenzene	100	91.8	91.8	60.0-140	
n-Nitrosodimethylamine	100	105	105	60.0-140	
n-Nitrosodiphenylamine	100	91.4	91.4	60.0-140	
n-Nitrosodi-n-propylamine	100	82.4	82.4	60.0-140	
Phenanthrene	100	89.9	89.9	60.0-140	
Benzylbutyl phthalate	100	103	103	60.0-140	
Bis(2-ethylhexyl)phthalate	100	101	101	60.0-140	
Di-n-butyl phthalate	100	96.5	96.5	60.0-140	
Diethyl phthalate	100	98.1	98.1	60.0-140	
Dimethyl phthalate	100	97.8	97.8	60.0-140	
Di-n-octyl phthalate	100	101	101	60.0-140	
Pyrene	100	95.5	95.5	60.0-140	
1,2,4-Trichlorobenzene	100	101	101	60.0-140	
4-Chloro-3-methylphenol	100	90.3	90.3	60.0-140	
2-Chlorophenol	100	97.5	97.5	60.0-140	

Laboratory Control Sample (LCS)

(LCS) R3575696-1 09/29/20 08:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,4-Dichlorophenol	100	99.4	99.4	60.0-140	
2,4-Dimethylphenol	100	92.0	92.0	60.0-140	
4,6-Dinitro-2-methylphenol	100	125	125	60.0-140	
2,4-Dinitrophenol	100	144	144	60.0-140	J4
2-Nitrophenol	100	113	113	60.0-140	
4-Nitrophenol	100	96.4	96.4	60.0-140	
Pentachlorophenol	100	102	102	60.0-140	
Phenol	100	84.9	84.9	60.0-140	
2,4,6-Trichlorophenol	100	105	105	60.0-140	
(S) Nitrobenzene-d5			*64.8*	*60.0-140*	
(S) 2-Fluorobiphenyl			*93.0*	*60.0-140*	
(S) p-Terphenyl-d14			*91.5*	*60.0-140*	
(S) Phenol-d5			*84.0*	*60.0-140*	
(S) 2-Fluorophenol			*101*	*60.0-140*	
(S) 2,4,6-Tribromophenol			*103*	*60.0-140*	

Sample Narrative:

LCS: Waste Dilution

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

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
N	The analyte is tentatively identified and the associated numerical value may not be consistent with the actual concentration present in the sample.

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

State Accreditations

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

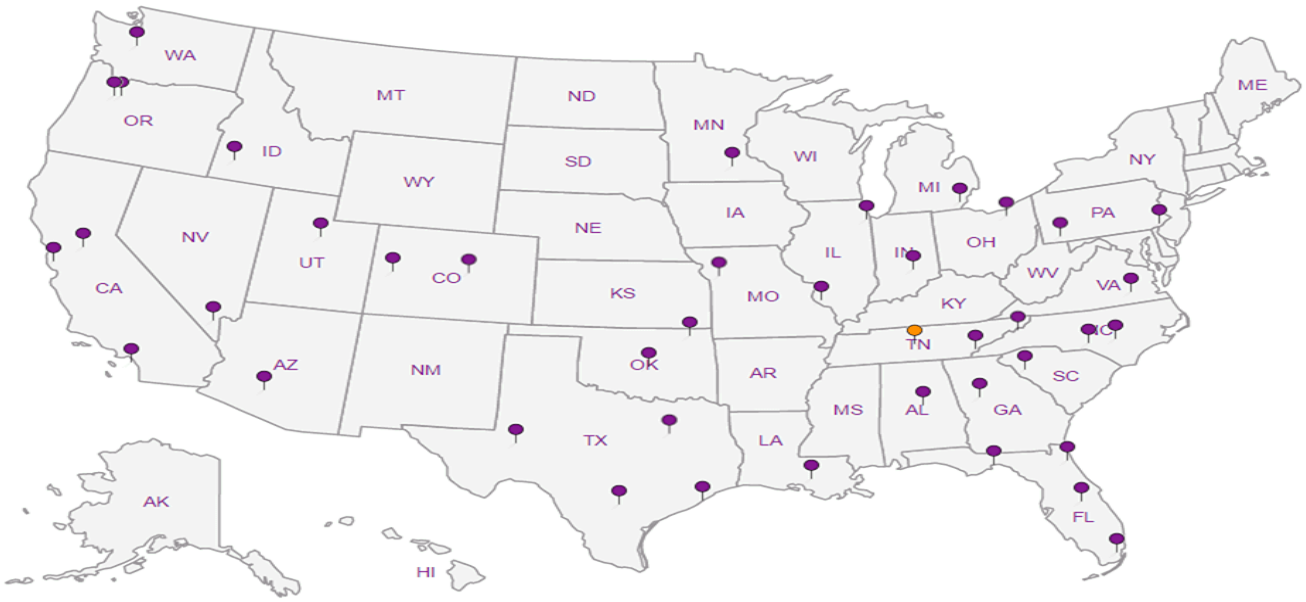
Third Party Federal Accreditations

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

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

Our Locations

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



Colorado Oil & Gas Conservation

5405 Sacramento Pl.
Colorado Springs, CO 80917

Billing Information:
Attn: Accounts Payable
1120 Lincoln St., Suite 801
Denver, CO 80203

Pres Chk

Report to: Jason Kosola

Email To: jason.kosola@state.co.us

Project Description: Timber Creek | City/State Collected: Weston, CO | Please Circle: PT MT CT ET

Phone: ~~719-574-8602~~ 719-641-0291 | Client Project # TC Enforcement | Lab Project # COILGASRCO-KOSOLA

Collected by (print): J. Kosola | Site/Facility ID # TC Enforcement | P.O. # | Quote #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8270TIC 100ml Amb NoPres	DROORO LVI 40mlAmb-HCl-BT	GRO 40mlAmb HCl	V8260 40mlAmb-HCl	Remarks	Sample # (lab only)
AC 35-06	Grab	OT		9/23	1000	9	X	X	X	X		-01
AC 35-06 WH	Grab	GW		9/23	1015	9	X	X	X	X	if possible with bottles I sent	02
AC 11-12V	Grab	OT		9/23	1200	9	X	X	X	X		03

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

Pace Analytical® National Center for Testing & Innovation

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

SDG # 1265781

Table J045

Acctnum: COILGASRCO

Template: T174649

Prelogin: P798784

PM: 824 - Chris Ward

PB:

Shipped Via: FedEx Ground

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

Remarks: Please provide GRO/DRO/ORO chromatograms
The OT samples: we are testing the oily substance

pH ___ Temp ___ Flow ___ Other ___

Samples returned via: __ UPS __ FedEx __ Courier ___

Tracking # 915987818773

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)
	9/23	1630	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No HCL / MeoH TBR

Temp: 1.6-3=1.3C | Bottles Received: 25

Date: 9/24/20 | Time: 930

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK