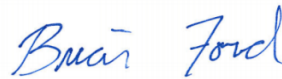


Oregon Dept. of Env. Quality - ODEQ

Sample Delivery Group: L1812652
Samples Received: 12/24/2024
Project Number:
Description: DEQ Forest Creek

Report To: Cathy Brown
700 NE Multnomah St. #600
Portland, OR 97124

Entire Report Reviewed By:



Brian Ford
Project Manager

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

Pace Analytical National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

SAMPLE SUMMARY

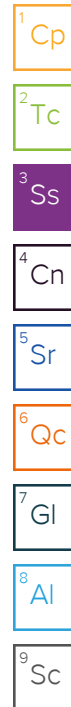
DRUMAREA-COMP-S L1812652-01 Solid

Collected by
Connor Anderson

Collected date/time
12/17/24 15:15

Received date/time
12/24/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2424761	1	12/26/24 09:15	12/26/24 09:24	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2425648	1	12/29/24 16:02	12/31/24 16:11	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2425632	1	12/28/24 07:26	12/28/24 19:42	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2426165	27	12/17/24 15:15	12/29/24 21:07	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2425137	1.08	12/17/24 15:15	12/27/24 18:48	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2425643	1	12/27/24 07:56	12/27/24 16:12	KDB	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151A	WG2425572	1	12/29/24 14:31	12/31/24 18:34	BMC	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG2425978	1	12/30/24 07:40	12/30/24 17:30	LJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2425253	1	12/27/24 05:47	12/28/24 08:58	MBE	Mt. Juliet, TN



TIREPILE-COMP-S L1812652-02 Solid

Collected by
Connor Anderson

Collected date/time
12/17/24 16:00

Received date/time
12/24/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2424762	1	12/26/24 08:16	12/26/24 08:25	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2425648	1	12/29/24 16:02	12/31/24 16:14	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2425632	1	12/28/24 07:26	12/28/24 19:44	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2426165	26.3	12/17/24 16:00	12/29/24 21:29	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2425137	1.05	12/17/24 16:00	12/27/24 19:07	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2425643	1	12/27/24 07:56	12/27/24 17:38	SGB	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151A	WG2425572	1	12/29/24 14:31	12/31/24 18:45	BMC	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG2425978	1	12/30/24 07:40	12/30/24 17:40	LJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2425253	1	12/27/24 05:47	12/28/24 09:16	MBE	Mt. Juliet, TN

BURNAREA-COMP-S L1812652-03 Solid

Collected by
Connor Anderson

Collected date/time
12/18/24 13:55

Received date/time
12/24/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2424762	1	12/26/24 08:16	12/26/24 08:25	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2425648	1	12/29/24 16:02	12/31/24 16:16	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2425632	1	12/28/24 07:26	12/28/24 19:49	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2426165	34.3	12/18/24 13:55	12/29/24 21:52	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2425137	1.37	12/18/24 13:55	12/27/24 19:26	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2425643	1	12/27/24 07:56	12/27/24 16:49	SGB	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151A	WG2425572	1	12/29/24 14:31	12/31/24 18:57	BMC	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG2425978	1	12/30/24 07:40	12/30/24 17:50	LJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2425253	1	12/27/24 05:47	12/28/24 09:33	MBE	Mt. Juliet, TN

BURNAREA-COMP-S-DUP L1812652-04 Solid

Collected by
Connor Anderson

Collected date/time
12/18/24 13:55

Received date/time
12/24/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2424762	1	12/26/24 08:16	12/26/24 08:25	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2425648	1	12/29/24 16:02	12/31/24 16:19	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2425632	1	12/28/24 07:26	12/28/24 19:50	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2426165	36	12/18/24 13:55	12/29/24 22:15	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2425137	1.44	12/18/24 13:55	12/27/24 19:45	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2425643	1	12/27/24 07:56	12/27/24 19:29	KKS	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151A	WG2425572	1	12/29/24 14:31	12/31/24 19:08	BMC	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG2425978	1	12/30/24 07:40	12/30/24 17:59	LJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2425253	1	12/27/24 05:47	12/28/24 09:51	MBE	Mt. Juliet, TN

SAMPLE SUMMARY

TRIP BLANK L1812652-05 GW

Collected by
Connor Anderson

Collected date/time
12/17/24 00:00

Received date/time
12/24/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2425235	1	12/27/24 09:33	12/27/24 09:33	DYW	Mt. Juliet, TN

¹Cp

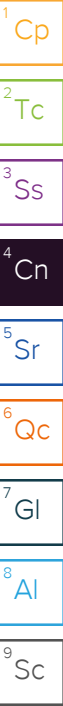
 ^{99m}Tc 3S_1 ${}^4\text{Cn}$ ^{87}Sr ${}^6\text{Qc}$ ⁷Gl ${}^8\text{Al}$ ⁹Sc

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.



Brian Ford
Project Manager



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.0		1	12/26/2024 09:24	WG2424761

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0545		0.0254	0.0494	1	12/31/2024 16:11	WG2425648

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	U		0.853	2.47	1	12/28/2024 19:42	WG2425632
Arsenic	3.41		1.03	2.47	1	12/28/2024 19:42	WG2425632
Beryllium	0.101	J	0.0589	0.247	1	12/28/2024 19:42	WG2425632
Cadmium	3.79		0.0806	0.617	1	12/28/2024 19:42	WG2425632
Chromium	121		0.264	1.23	1	12/28/2024 19:42	WG2425632
Copper	91.7		0.441	2.47	1	12/28/2024 19:42	WG2425632
Lead	28.1		0.402	0.617	1	12/28/2024 19:42	WG2425632
Nickel	213		0.247	2.47	1	12/28/2024 19:42	WG2425632
Selenium	1.97	J	1.32	2.47	1	12/28/2024 19:42	WG2425632
Silver	1.83		0.157	1.23	1	12/28/2024 19:42	WG2425632
Thallium	1.86	J	0.639	2.47	1	12/28/2024 19:42	WG2425632
Zinc	118		1.20	6.17	1	12/28/2024 19:42	WG2425632

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	3.28	B J	1.13	3.33	27	12/29/2024 21:07	WG2426165
(S) a,a,a-Trifluorotoluene(FID)	93.0			77.0-120		12/29/2024 21:07	WG2426165

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		0.0486	0.0666	1.08	12/27/2024 18:48	WG2425137
Acrylonitrile	U		0.00481	0.0167	1.08	12/27/2024 18:48	WG2425137
Benzene	U		0.000622	0.00133	1.08	12/27/2024 18:48	WG2425137
Bromobenzene	U		0.00120	0.0167	1.08	12/27/2024 18:48	WG2425137
Bromodichloromethane	U		0.000966	0.00333	1.08	12/27/2024 18:48	WG2425137
Bromoform	U		0.00155	0.0333	1.08	12/27/2024 18:48	WG2425137
Bromomethane	U		0.00263	0.0167	1.08	12/27/2024 18:48	WG2425137
n-Butylbenzene	U		0.00700	0.0167	1.08	12/27/2024 18:48	WG2425137
sec-Butylbenzene	U		0.00384	0.0167	1.08	12/27/2024 18:48	WG2425137
tert-Butylbenzene	U		0.00260	0.00666	1.08	12/27/2024 18:48	WG2425137
Carbon tetrachloride	U		0.00120	0.00666	1.08	12/27/2024 18:48	WG2425137
Chlorobenzene	U		0.000280	0.00333	1.08	12/27/2024 18:48	WG2425137
Chlorodibromomethane	U		0.000816	0.00333	1.08	12/27/2024 18:48	WG2425137
Chloroethane	U		0.00227	0.00666	1.08	12/27/2024 18:48	WG2425137
Chloroform	U		0.00137	0.00333	1.08	12/27/2024 18:48	WG2425137
Chloromethane	U		0.00580	0.0167	1.08	12/27/2024 18:48	WG2425137
2-Chlorotoluene	U	J4	0.00115	0.00333	1.08	12/27/2024 18:48	WG2425137
4-Chlorotoluene	U	J4	0.000600	0.00666	1.08	12/27/2024 18:48	WG2425137
1,2-Dibromo-3-Chloropropane	U		0.00519	0.0333	1.08	12/27/2024 18:48	WG2425137
1,2-Dibromoethane	U		0.000864	0.00333	1.08	12/27/2024 18:48	WG2425137
Dibromomethane	U		0.00100	0.00666	1.08	12/27/2024 18:48	WG2425137
1,2-Dichlorobenzene	U		0.000566	0.00666	1.08	12/27/2024 18:48	WG2425137

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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
1,3-Dichlorobenzene	U		0.000800	0.00666	1.08	12/27/2024 18:48	WG2425137
1,4-Dichlorobenzene	U		0.000933	0.00666	1.08	12/27/2024 18:48	WG2425137
Dichlorodifluoromethane	U		0.00215	0.00666	1.08	12/27/2024 18:48	WG2425137
1,1-Dichloroethane	U		0.000654	0.00333	1.08	12/27/2024 18:48	WG2425137
1,2-Dichloroethane	U		0.000865	0.00333	1.08	12/27/2024 18:48	WG2425137
1,1-Dichloroethene	U		0.000807	0.00333	1.08	12/27/2024 18:48	WG2425137
cis-1,2-Dichloroethene	U		0.000979	0.00333	1.08	12/27/2024 18:48	WG2425137
trans-1,2-Dichloroethene	U		0.00138	0.00666	1.08	12/27/2024 18:48	WG2425137
1,2-Dichloropropane	U		0.00189	0.00666	1.08	12/27/2024 18:48	WG2425137
1,1-Dichloropropene	U		0.00108	0.00333	1.08	12/27/2024 18:48	WG2425137
1,3-Dichloropropane	U		0.000668	0.00666	1.08	12/27/2024 18:48	WG2425137
cis-1,3-Dichloropropene	U		0.00101	0.00333	1.08	12/27/2024 18:48	WG2425137
trans-1,3-Dichloropropene	U		0.00152	0.00666	1.08	12/27/2024 18:48	WG2425137
2,2-Dichloropropane	U	C3	0.00184	0.00333	1.08	12/27/2024 18:48	WG2425137
Di-isopropyl ether	U		0.000547	0.00133	1.08	12/27/2024 18:48	WG2425137
Ethylbenzene	U		0.000982	0.00333	1.08	12/27/2024 18:48	WG2425137
Hexachloro-1,3-butadiene	U		0.00800	0.0333	1.08	12/27/2024 18:48	WG2425137
Isopropylbenzene	U		0.000566	0.00333	1.08	12/27/2024 18:48	WG2425137
p-Isopropyltoluene	U		0.00339	0.00666	1.08	12/27/2024 18:48	WG2425137
2-Butanone (MEK)	U		0.0846	0.133	1.08	12/27/2024 18:48	WG2425137
Methylene Chloride	0.0157	B J	0.00885	0.0333	1.08	12/27/2024 18:48	WG2425137
4-Methyl-2-pentanone (MIBK)	U		0.00304	0.0333	1.08	12/27/2024 18:48	WG2425137
Methyl tert-butyl ether	U		0.000466	0.00133	1.08	12/27/2024 18:48	WG2425137
Naphthalene	U		0.00650	0.0167	1.08	12/27/2024 18:48	WG2425137
n-Propylbenzene	U		0.00127	0.00666	1.08	12/27/2024 18:48	WG2425137
Styrene	U		0.000305	0.0167	1.08	12/27/2024 18:48	WG2425137
1,1,1,2-Tetrachloroethane	U		0.00126	0.00333	1.08	12/27/2024 18:48	WG2425137
1,1,2,2-Tetrachloroethane	U		0.000927	0.00333	1.08	12/27/2024 18:48	WG2425137
1,1,2-Trichlorotrifluoroethane	U		0.00100	0.00333	1.08	12/27/2024 18:48	WG2425137
Tetrachloroethene	U		0.00119	0.00333	1.08	12/27/2024 18:48	WG2425137
Toluene	0.00186	J	0.00173	0.00666	1.08	12/27/2024 18:48	WG2425137
1,2,3-Trichlorobenzene	U		0.00977	0.0167	1.08	12/27/2024 18:48	WG2425137
1,2,4-Trichlorobenzene	U		0.00586	0.0167	1.08	12/27/2024 18:48	WG2425137
1,1,1-Trichloroethane	U		0.00123	0.00333	1.08	12/27/2024 18:48	WG2425137
1,1,2-Trichloroethane	U		0.000796	0.00333	1.08	12/27/2024 18:48	WG2425137
Trichloroethene	U		0.000779	0.00133	1.08	12/27/2024 18:48	WG2425137
Trichlorofluoromethane	U		0.00110	0.00333	1.08	12/27/2024 18:48	WG2425137
1,2,3-Trichloropropane	U		0.00216	0.0167	1.08	12/27/2024 18:48	WG2425137
1,2,4-Trimethylbenzene	U		0.00211	0.00666	1.08	12/27/2024 18:48	WG2425137
1,2,3-Trimethylbenzene	U		0.00211	0.00666	1.08	12/27/2024 18:48	WG2425137
1,3,5-Trimethylbenzene	U		0.00267	0.00666	1.08	12/27/2024 18:48	WG2425137
Vinyl chloride	U		0.00154	0.00333	1.08	12/27/2024 18:48	WG2425137
Xylenes, Total	0.00120	J	0.00117	0.00866	1.08	12/27/2024 18:48	WG2425137
(S) Toluene-d8	108			75.0-131		12/27/2024 18:48	WG2425137
(S) 4-Bromofluorobenzene	96.0			67.0-138		12/27/2024 18:48	WG2425137
(S) 1,2-Dichloroethane-d4	94.1			70.0-130		12/27/2024 18:48	WG2425137

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	56.1	J6	1.64	4.94	1	12/27/2024 16:12	WG2425643
Residual Range Organics (RRO)	173		4.11	12.3	1	12/27/2024 16:12	WG2425643
(S) o-Terphenyl	76.7			18.0-148		12/27/2024 16:12	WG2425643

Sample Narrative:

L1812652-01 WG2425643: Sample resembles laboratory standard for Motor Oil.

Chlorinated Acid Herbicides (GC) by Method 8151A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.0317	0.0864	1	12/31/2024 18:34	WG2425572
Dalapon	U		0.0543	0.0864	1	12/31/2024 18:34	WG2425572
2,4-DB	U		0.0230	0.0864	1	12/31/2024 18:34	WG2425572
Dicamba	U		0.0279	0.0864	1	12/31/2024 18:34	WG2425572
Dichloroprop	U		0.0226	0.0864	1	12/31/2024 18:34	WG2425572
Dinoseb	U		0.0315	0.0864	1	12/31/2024 18:34	WG2425572
MCPA	U		2.30	8.02	1	12/31/2024 18:34	WG2425572
MCPP	U		2.50	8.02	1	12/31/2024 18:34	WG2425572
2,4,5-T	U		0.0291	0.0864	1	12/31/2024 18:34	WG2425572
2,4,5-TP (Silvex)	U		0.0231	0.0864	1	12/31/2024 18:34	WG2425572
(S) 2,4-Dichlorophenyl Acetic Acid	64.6			22.0-132		12/31/2024 18:34	WG2425572

Pesticides (GC) by Method 8081B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aldrin	U		0.00796	0.0247	1	12/30/2024 17:30	WG2425978
Alpha BHC	U		0.00786	0.0247	1	12/30/2024 17:30	WG2425978
Beta BHC	U		0.00777	0.0247	1	12/30/2024 17:30	WG2425978
Delta BHC	U		0.00784	0.0247	1	12/30/2024 17:30	WG2425978
Gamma BHC	U		0.00834	0.0247	1	12/30/2024 17:30	WG2425978
Chlordane	U		0.122	0.370	1	12/30/2024 17:30	WG2425978
4,4-DDD	U		0.00851	0.0247	1	12/30/2024 17:30	WG2425978
4,4-DDE	U		0.00830	0.0247	1	12/30/2024 17:30	WG2425978
4,4-DDT	U		0.00945	0.0247	1	12/30/2024 17:30	WG2425978
Dieldrin	U		0.00860	0.0247	1	12/30/2024 17:30	WG2425978
Endosulfan I	U		0.00745	0.0247	1	12/30/2024 17:30	WG2425978
Endosulfan II	U		0.00816	0.0247	1	12/30/2024 17:30	WG2425978
Endosulfan sulfate	U		0.00792	0.0247	1	12/30/2024 17:30	WG2425978
Endrin	U		0.00921	0.0247	1	12/30/2024 17:30	WG2425978
Endrin aldehyde	U		0.00728	0.0247	1	12/30/2024 17:30	WG2425978
Endrin ketone	U		0.00858	0.0247	1	12/30/2024 17:30	WG2425978
Hexachlorobenzene	U		0.00750	0.0247	1	12/30/2024 17:30	WG2425978
Heptachlor	U		0.00855	0.0247	1	12/30/2024 17:30	WG2425978
Heptachlor epoxide	U		0.00802	0.0247	1	12/30/2024 17:30	WG2425978
Methoxychlor	U		0.00995	0.0247	1	12/30/2024 17:30	WG2425978
Toxaphene	U		0.264	0.494	1	12/30/2024 17:30	WG2425978
(S) Decachlorobiphenyl	53.1			10.0-135		12/30/2024 17:30	WG2425978
(S) Tetrachloro-m-xylene	54.2			10.0-139		12/30/2024 17:30	WG2425978

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00284	0.00740	1	12/28/2024 08:58	WG2425253
Acenaphthene	U		0.00258	0.00740	1	12/28/2024 08:58	WG2425253
Acenaphthylene	U		0.00267	0.00740	1	12/28/2024 08:58	WG2425253
Benzo(a)anthracene	U		0.00213	0.00740	1	12/28/2024 08:58	WG2425253
Benzo(a)pyrene	U		0.00221	0.00740	1	12/28/2024 08:58	WG2425253
Benzo(b)fluoranthene	U		0.00189	0.00740	1	12/28/2024 08:58	WG2425253
Benzo(g,h,i)perylene	U		0.00218	0.00740	1	12/28/2024 08:58	WG2425253
Benzo(k)fluoranthene	U		0.00265	0.00740	1	12/28/2024 08:58	WG2425253
Chrysene	U		0.00286	0.00740	1	12/28/2024 08:58	WG2425253
Dibenz(a,h)anthracene	U		0.00212	0.00740	1	12/28/2024 08:58	WG2425253
Fluoranthene	U		0.00280	0.00740	1	12/28/2024 08:58	WG2425253
Fluorene	U		0.00253	0.00740	1	12/28/2024 08:58	WG2425253
Indeno(1,2,3-cd)pyrene	U		0.00223	0.00740	1	12/28/2024 08:58	WG2425253

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Naphthalene	U		0.00503	0.0247	1	12/28/2024 08:58	WG2425253
Phenanthrene	U		0.00285	0.00740	1	12/28/2024 08:58	WG2425253
Pyrene	U		0.00247	0.00740	1	12/28/2024 08:58	WG2425253
1-Methylnaphthalene	U		0.00554	0.0247	1	12/28/2024 08:58	WG2425253
2-Methylnaphthalene	U		0.00527	0.0247	1	12/28/2024 08:58	WG2425253
2-Chloronaphthalene	U		0.00575	0.0247	1	12/28/2024 08:58	WG2425253
(S) p-Terphenyl-d14	109			23.0-120		12/28/2024 08:58	WG2425253
(S) Nitrobenzene-d5	91.1			14.0-149		12/28/2024 08:58	WG2425253
(S) 2-Fluorobiphenyl	100			34.0-125		12/28/2024 08:58	WG2425253

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	86.5		1	12/26/2024 08:25	WG2424762

Mercury by Method 7471B

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0812		0.0238	0.0462	1	12/31/2024 16:14	WG2425648

Metals (ICP) by Method 6010D

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Antimony	U		0.799	2.31	1	12/28/2024 19:44	WG2425632
Arsenic	3.46		0.968	2.31	1	12/28/2024 19:44	WG2425632
Beryllium	U		0.0551	0.231	1	12/28/2024 19:44	WG2425632
Cadmium	0.597		0.0755	0.578	1	12/28/2024 19:44	WG2425632
Chromium	186		0.247	1.16	1	12/28/2024 19:44	WG2425632
Copper	119		0.413	2.31	1	12/28/2024 19:44	WG2425632
Lead	28.6		0.377	0.578	1	12/28/2024 19:44	WG2425632
Nickel	207		0.231	2.31	1	12/28/2024 19:44	WG2425632
Selenium	2.21	J	1.24	2.31	1	12/28/2024 19:44	WG2425632
Silver	2.87		0.147	1.16	1	12/28/2024 19:44	WG2425632
Thallium	1.81	J	0.599	2.31	1	12/28/2024 19:44	WG2425632
Zinc	289		1.13	5.78	1	12/28/2024 19:44	WG2425632

Volatile Organic Compounds (GC) by Method NWTPHGX

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	2.51	B J	1.03	3.04	26.3	12/29/2024 21:29	WG2426165
(S) a,a,a-Trifluorotoluene(FID)	93.0			77.0-120		12/29/2024 21:29	WG2426165

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

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0443	0.0607	1.05	12/27/2024 19:07	WG2425137
Acrylonitrile	U		0.00438	0.0151	1.05	12/27/2024 19:07	WG2425137
Benzene	U		0.000566	0.00121	1.05	12/27/2024 19:07	WG2425137
Bromobenzene	U		0.00109	0.0151	1.05	12/27/2024 19:07	WG2425137
Bromodichloromethane	U		0.000880	0.00304	1.05	12/27/2024 19:07	WG2425137
Bromoform	U		0.00142	0.0304	1.05	12/27/2024 19:07	WG2425137
Bromomethane	U		0.00239	0.0151	1.05	12/27/2024 19:07	WG2425137
n-Butylbenzene	U		0.00637	0.0151	1.05	12/27/2024 19:07	WG2425137
sec-Butylbenzene	U		0.00349	0.0151	1.05	12/27/2024 19:07	WG2425137
tert-Butylbenzene	U		0.00237	0.00607	1.05	12/27/2024 19:07	WG2425137
Carbon tetrachloride	U		0.00109	0.00607	1.05	12/27/2024 19:07	WG2425137
Chlorobenzene	0.000425	J	0.000256	0.00304	1.05	12/27/2024 19:07	WG2425137
Chlorodibromomethane	U		0.000743	0.00304	1.05	12/27/2024 19:07	WG2425137
Chloroethane	U		0.00207	0.00607	1.05	12/27/2024 19:07	WG2425137
Chloroform	U		0.00125	0.00304	1.05	12/27/2024 19:07	WG2425137
Chloromethane	U		0.00528	0.0151	1.05	12/27/2024 19:07	WG2425137
2-Chlorotoluene	U	J4	0.00105	0.00304	1.05	12/27/2024 19:07	WG2425137
4-Chlorotoluene	U	J4	0.000547	0.00607	1.05	12/27/2024 19:07	WG2425137
1,2-Dibromo-3-Chloropropane	U		0.00473	0.0304	1.05	12/27/2024 19:07	WG2425137
1,2-Dibromoethane	U		0.000786	0.00304	1.05	12/27/2024 19:07	WG2425137
Dibromomethane	U		0.000911	0.00607	1.05	12/27/2024 19:07	WG2425137
1,2-Dichlorobenzene	U		0.000516	0.00607	1.05	12/27/2024 19:07	WG2425137

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

TIREPILE-COMP-S

Collected date/time: 12/17/24 16:00

SAMPLE RESULTS - 02

L1812652

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
1,3-Dichlorobenzene	U		0.000728	0.00607	1.05	12/27/2024 19:07	WG2425137
1,4-Dichlorobenzene	U		0.000850	0.00607	1.05	12/27/2024 19:07	WG2425137
Dichlorodifluoromethane	U		0.00195	0.00607	1.05	12/27/2024 19:07	WG2425137
1,1-Dichloroethane	U		0.000597	0.00304	1.05	12/27/2024 19:07	WG2425137
1,2-Dichloroethane	U		0.000787	0.00304	1.05	12/27/2024 19:07	WG2425137
1,1-Dichloroethene	U		0.000735	0.00304	1.05	12/27/2024 19:07	WG2425137
cis-1,2-Dichloroethene	U		0.000891	0.00304	1.05	12/27/2024 19:07	WG2425137
trans-1,2-Dichloroethene	U		0.00126	0.00607	1.05	12/27/2024 19:07	WG2425137
1,2-Dichloropropane	U		0.00172	0.00607	1.05	12/27/2024 19:07	WG2425137
1,1-Dichloropropene	U		0.000982	0.00304	1.05	12/27/2024 19:07	WG2425137
1,3-Dichloropropane	U		0.000608	0.00607	1.05	12/27/2024 19:07	WG2425137
cis-1,3-Dichloropropene	U		0.000919	0.00304	1.05	12/27/2024 19:07	WG2425137
trans-1,3-Dichloropropene	U		0.00139	0.00607	1.05	12/27/2024 19:07	WG2425137
2,2-Dichloropropane	U	C3	0.00168	0.00304	1.05	12/27/2024 19:07	WG2425137
Di-isopropyl ether	U		0.000498	0.00121	1.05	12/27/2024 19:07	WG2425137
Ethylbenzene	U		0.000895	0.00304	1.05	12/27/2024 19:07	WG2425137
Hexachloro-1,3-butadiene	U		0.00728	0.0304	1.05	12/27/2024 19:07	WG2425137
Isopropylbenzene	U		0.000516	0.00304	1.05	12/27/2024 19:07	WG2425137
p-Isopropyltoluene	0.00489	IJ	0.00310	0.00607	1.05	12/27/2024 19:07	WG2425137
2-Butanone (MEK)	U		0.0771	0.121	1.05	12/27/2024 19:07	WG2425137
Methylene Chloride	0.0168	B J	0.00806	0.0304	1.05	12/27/2024 19:07	WG2425137
4-Methyl-2-pentanone (MIBK)	0.0258	IJ	0.00276	0.0304	1.05	12/27/2024 19:07	WG2425137
Methyl tert-butyl ether	U		0.000425	0.00121	1.05	12/27/2024 19:07	WG2425137
Naphthalene	U		0.00592	0.0151	1.05	12/27/2024 19:07	WG2425137
n-Propylbenzene	U		0.00115	0.00607	1.05	12/27/2024 19:07	WG2425137
Styrene	0.000304	IJ	0.000277	0.0151	1.05	12/27/2024 19:07	WG2425137
1,1,1,2-Tetrachloroethane	U		0.00115	0.00304	1.05	12/27/2024 19:07	WG2425137
1,1,2,2-Tetrachloroethane	U		0.000844	0.00304	1.05	12/27/2024 19:07	WG2425137
1,1,2-Trichlorotrifluoroethane	U		0.000916	0.00304	1.05	12/27/2024 19:07	WG2425137
Tetrachloroethene	U		0.00109	0.00304	1.05	12/27/2024 19:07	WG2425137
Toluene	0.00249	IJ	0.00157	0.00607	1.05	12/27/2024 19:07	WG2425137
1,2,3-Trichlorobenzene	U		0.00890	0.0151	1.05	12/27/2024 19:07	WG2425137
1,2,4-Trichlorobenzene	U		0.00534	0.0151	1.05	12/27/2024 19:07	WG2425137
1,1,1-Trichloroethane	U		0.00112	0.00304	1.05	12/27/2024 19:07	WG2425137
1,1,2-Trichloroethane	U		0.000725	0.00304	1.05	12/27/2024 19:07	WG2425137
Trichloroethene	U		0.000709	0.00121	1.05	12/27/2024 19:07	WG2425137
Trichlorofluoromethane	U		0.00100	0.00304	1.05	12/27/2024 19:07	WG2425137
1,2,3-Trichloropropane	U		0.00197	0.0151	1.05	12/27/2024 19:07	WG2425137
1,2,4-Trimethylbenzene	U		0.00192	0.00607	1.05	12/27/2024 19:07	WG2425137
1,2,3-Trimethylbenzene	U		0.00192	0.00607	1.05	12/27/2024 19:07	WG2425137
1,3,5-Trimethylbenzene	U		0.00243	0.00607	1.05	12/27/2024 19:07	WG2425137
Vinyl chloride	U		0.00141	0.00304	1.05	12/27/2024 19:07	WG2425137
Xylenes, Total	0.00437	IJ	0.00107	0.00790	1.05	12/27/2024 19:07	WG2425137
(S) Toluene-d8	106			75.0-131		12/27/2024 19:07	WG2425137
(S) 4-Bromofluorobenzene	93.9			67.0-138		12/27/2024 19:07	WG2425137
(S) 1,2-Dichloroethane-d4	98.9			70.0-130		12/27/2024 19:07	WG2425137

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	12.3		1.54	4.62	1	12/27/2024 17:38	WG2425643
Residual Range Organics (RRO)	46.1		3.85	11.6	1	12/27/2024 17:38	WG2425643
(S) o-Terphenyl	71.5			18.0-148		12/27/2024 17:38	WG2425643

Sample Narrative:

L1812652-02 WG2425643: Sample resembles laboratory standard for Hydraulic Oil.

Chlorinated Acid Herbicides (GC) by Method 8151A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.0297	0.0809	1	12/31/2024 18:45	WG2425572
Dalapon	U		0.0509	0.0809	1	12/31/2024 18:45	WG2425572
2,4-DB	U		0.0215	0.0809	1	12/31/2024 18:45	WG2425572
Dicamba	U		0.0261	0.0809	1	12/31/2024 18:45	WG2425572
Dichloroprop	U		0.0212	0.0809	1	12/31/2024 18:45	WG2425572
Dinoseb	U		0.0295	0.0809	1	12/31/2024 18:45	WG2425572
MCPA	U		2.15	7.51	1	12/31/2024 18:45	WG2425572
MCPP	U		2.35	7.51	1	12/31/2024 18:45	WG2425572
2,4,5-T	U		0.0273	0.0809	1	12/31/2024 18:45	WG2425572
2,4,5-TP (Silvex)	U		0.0216	0.0809	1	12/31/2024 18:45	WG2425572
(S) 2,4-Dichlorophenyl Acetic Acid	63.3			22.0-132		12/31/2024 18:45	WG2425572

Pesticides (GC) by Method 8081B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aldrin	U		0.00746	0.0231	1	12/30/2024 17:40	WG2425978
Alpha BHC	U		0.00736	0.0231	1	12/30/2024 17:40	WG2425978
Beta BHC	U		0.00728	0.0231	1	12/30/2024 17:40	WG2425978
Delta BHC	U		0.00734	0.0231	1	12/30/2024 17:40	WG2425978
Gamma BHC	U		0.00782	0.0231	1	12/30/2024 17:40	WG2425978
Chlordane	U		0.114	0.347	1	12/30/2024 17:40	WG2425978
4,4-DDD	U		0.00798	0.0231	1	12/30/2024 17:40	WG2425978
4,4-DDE	U		0.00778	0.0231	1	12/30/2024 17:40	WG2425978
4,4-DDT	U		0.00886	0.0231	1	12/30/2024 17:40	WG2425978
Dieldrin	U		0.00806	0.0231	1	12/30/2024 17:40	WG2425978
Endosulfan I	U		0.00698	0.0231	1	12/30/2024 17:40	WG2425978
Endosulfan II	U		0.00764	0.0231	1	12/30/2024 17:40	WG2425978
Endosulfan sulfate	U		0.00742	0.0231	1	12/30/2024 17:40	WG2425978
Endrin	U		0.00862	0.0231	1	12/30/2024 17:40	WG2425978
Endrin aldehyde	U		0.00682	0.0231	1	12/30/2024 17:40	WG2425978
Endrin ketone	U		0.00803	0.0231	1	12/30/2024 17:40	WG2425978
Hexachlorobenzene	U		0.00703	0.0231	1	12/30/2024 17:40	WG2425978
Heptachlor	U		0.00801	0.0231	1	12/30/2024 17:40	WG2425978
Heptachlor epoxide	U		0.00751	0.0231	1	12/30/2024 17:40	WG2425978
Methoxychlor	U		0.00932	0.0231	1	12/30/2024 17:40	WG2425978
Toxaphene	U		0.247	0.462	1	12/30/2024 17:40	WG2425978
(S) Decachlorobiphenyl	49.9			10.0-135		12/30/2024 17:40	WG2425978
(S) Tetrachloro-m-xylene	52.4			10.0-139		12/30/2024 17:40	WG2425978

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00266	0.00694	1	12/28/2024 09:16	WG2425253
Acenaphthene	U		0.00242	0.00694	1	12/28/2024 09:16	WG2425253
Acenaphthylene	U		0.00250	0.00694	1	12/28/2024 09:16	WG2425253
Benzo(a)anthracene	U		0.00200	0.00694	1	12/28/2024 09:16	WG2425253
Benzo(a)pyrene	U		0.00207	0.00694	1	12/28/2024 09:16	WG2425253
Benzo(b)fluoranthene	U		0.00177	0.00694	1	12/28/2024 09:16	WG2425253
Benzo(g,h,i)perylene	U		0.00205	0.00694	1	12/28/2024 09:16	WG2425253
Benzo(k)fluoranthene	U		0.00249	0.00694	1	12/28/2024 09:16	WG2425253
Chrysene	U		0.00268	0.00694	1	12/28/2024 09:16	WG2425253
Dibenz(a,h)anthracene	U		0.00199	0.00694	1	12/28/2024 09:16	WG2425253
Fluoranthene	U		0.00262	0.00694	1	12/28/2024 09:16	WG2425253
Fluorene	U		0.00237	0.00694	1	12/28/2024 09:16	WG2425253
Indeno(1,2,3-cd)pyrene	U		0.00209	0.00694	1	12/28/2024 09:16	WG2425253

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Naphthalene	U		0.00472	0.0231	1	12/28/2024 09:16	WG2425253
Phenanthrene	U		0.00267	0.00694	1	12/28/2024 09:16	WG2425253
Pyrene	U		0.00231	0.00694	1	12/28/2024 09:16	WG2425253
1-Methylnaphthalene	U		0.00519	0.0231	1	12/28/2024 09:16	WG2425253
2-Methylnaphthalene	U		0.00494	0.0231	1	12/28/2024 09:16	WG2425253
2-Chloronaphthalene	U		0.00539	0.0231	1	12/28/2024 09:16	WG2425253
(S) p-Terphenyl-d14	107			23.0-120		12/28/2024 09:16	WG2425253
(S) Nitrobenzene-d5	95.0			14.0-149		12/28/2024 09:16	WG2425253
(S) 2-Fluorobiphenyl	99.6			34.0-125		12/28/2024 09:16	WG2425253

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	69.8		1	12/26/2024 08:25	WG2424762

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0295	0.0573	1	12/31/2024 16:16	WG2425648

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	U		0.990	2.87	1	12/28/2024 19:49	WG2425632
Arsenic	2.67	J	1.20	2.87	1	12/28/2024 19:49	WG2425632
Beryllium	0.463		0.0684	0.287	1	12/28/2024 19:49	WG2425632
Cadmium	U		0.0936	0.717	1	12/28/2024 19:49	WG2425632
Chromium	74.5		0.307	1.43	1	12/28/2024 19:49	WG2425632
Copper	44.0		0.512	2.87	1	12/28/2024 19:49	WG2425632
Lead	16.2		0.467	0.717	1	12/28/2024 19:49	WG2425632
Nickel	56.7		0.287	2.87	1	12/28/2024 19:49	WG2425632
Selenium	2.12	J	1.53	2.87	1	12/28/2024 19:49	WG2425632
Silver	1.53		0.182	1.43	1	12/28/2024 19:49	WG2425632
Thallium	1.45	J	0.742	2.87	1	12/28/2024 19:49	WG2425632
Zinc	162		1.40	7.17	1	12/28/2024 19:49	WG2425632

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	2.59	B J	1.66	4.92	34.3	12/29/2024 21:52	WG2426165
(S) a,a,a-Trifluorotoluene(FID)	93.3			77.0-120		12/29/2024 21:52	WG2426165

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		0.0717	0.0982	1.37	12/27/2024 19:26	WG2425137
Acrylonitrile	U		0.00709	0.0245	1.37	12/27/2024 19:26	WG2425137
Benzene	U		0.000917	0.00196	1.37	12/27/2024 19:26	WG2425137
Bromobenzene	U		0.00176	0.0245	1.37	12/27/2024 19:26	WG2425137
Bromodichloromethane	U		0.00142	0.00492	1.37	12/27/2024 19:26	WG2425137
Bromoform	U		0.00229	0.0492	1.37	12/27/2024 19:26	WG2425137
Bromomethane	U		0.00387	0.0245	1.37	12/27/2024 19:26	WG2425137
n-Butylbenzene	U		0.0103	0.0245	1.37	12/27/2024 19:26	WG2425137
sec-Butylbenzene	U		0.00566	0.0245	1.37	12/27/2024 19:26	WG2425137
tert-Butylbenzene	U		0.00383	0.00982	1.37	12/27/2024 19:26	WG2425137
Carbon tetrachloride	U		0.00176	0.00982	1.37	12/27/2024 19:26	WG2425137
Chlorobenzene	U		0.000413	0.00492	1.37	12/27/2024 19:26	WG2425137
Chlorodibromomethane	U		0.00120	0.00492	1.37	12/27/2024 19:26	WG2425137
Chloroethane	U		0.00334	0.00982	1.37	12/27/2024 19:26	WG2425137
Chloroform	U		0.00202	0.00492	1.37	12/27/2024 19:26	WG2425137
Chloromethane	U		0.00854	0.0245	1.37	12/27/2024 19:26	WG2425137
2-Chlorotoluene	U	J4	0.00171	0.00492	1.37	12/27/2024 19:26	WG2425137
4-Chlorotoluene	U	J4	0.000884	0.00982	1.37	12/27/2024 19:26	WG2425137
1,2-Dibromo-3-Chloropropane	U		0.00765	0.0492	1.37	12/27/2024 19:26	WG2425137
1,2-Dibromoethane	U		0.00127	0.00492	1.37	12/27/2024 19:26	WG2425137
Dibromomethane	U		0.00148	0.00982	1.37	12/27/2024 19:26	WG2425137
1,2-Dichlorobenzene	U		0.000834	0.00982	1.37	12/27/2024 19:26	WG2425137

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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
1,3-Dichlorobenzene	U		0.00118	0.00982	1.37	12/27/2024 19:26	WG2425137
1,4-Dichlorobenzene	U		0.00137	0.00982	1.37	12/27/2024 19:26	WG2425137
Dichlorodifluoromethane	U		0.00317	0.00982	1.37	12/27/2024 19:26	WG2425137
1,1-Dichloroethane	U		0.000965	0.00492	1.37	12/27/2024 19:26	WG2425137
1,2-Dichloroethane	U		0.00127	0.00492	1.37	12/27/2024 19:26	WG2425137
1,1-Dichloroethene	U		0.00119	0.00492	1.37	12/27/2024 19:26	WG2425137
cis-1,2-Dichloroethene	U		0.00145	0.00492	1.37	12/27/2024 19:26	WG2425137
trans-1,2-Dichloroethene	U		0.00204	0.00982	1.37	12/27/2024 19:26	WG2425137
1,2-Dichloropropane	U		0.00279	0.00982	1.37	12/27/2024 19:26	WG2425137
1,1-Dichloropropene	U		0.00159	0.00492	1.37	12/27/2024 19:26	WG2425137
1,3-Dichloropropane	U		0.000983	0.00982	1.37	12/27/2024 19:26	WG2425137
cis-1,3-Dichloropropene	U		0.00149	0.00492	1.37	12/27/2024 19:26	WG2425137
trans-1,3-Dichloropropene	U		0.00224	0.00982	1.37	12/27/2024 19:26	WG2425137
2,2-Dichloropropane	U	C3	0.00271	0.00492	1.37	12/27/2024 19:26	WG2425137
Di-isopropyl ether	U		0.000805	0.00196	1.37	12/27/2024 19:26	WG2425137
Ethylbenzene	U		0.00145	0.00492	1.37	12/27/2024 19:26	WG2425137
Hexachloro-1,3-butadiene	U		0.0118	0.0492	1.37	12/27/2024 19:26	WG2425137
Isopropylbenzene	U		0.000834	0.00492	1.37	12/27/2024 19:26	WG2425137
p-Isopropyltoluene	0.00737	IJ	0.00500	0.00982	1.37	12/27/2024 19:26	WG2425137
2-Butanone (MEK)	U		0.125	0.196	1.37	12/27/2024 19:26	WG2425137
Methylene Chloride	0.0258	BJ	0.0130	0.0492	1.37	12/27/2024 19:26	WG2425137
4-Methyl-2-pentanone (MIBK)	U		0.00447	0.0492	1.37	12/27/2024 19:26	WG2425137
Methyl tert-butyl ether	U		0.000688	0.00196	1.37	12/27/2024 19:26	WG2425137
Naphthalene	U		0.00959	0.0245	1.37	12/27/2024 19:26	WG2425137
n-Propylbenzene	U		0.00186	0.00982	1.37	12/27/2024 19:26	WG2425137
Styrene	U		0.000450	0.0245	1.37	12/27/2024 19:26	WG2425137
1,1,1,2-Tetrachloroethane	U		0.00186	0.00492	1.37	12/27/2024 19:26	WG2425137
1,1,2,2-Tetrachloroethane	U		0.00136	0.00492	1.37	12/27/2024 19:26	WG2425137
1,1,2-Trichlorotrifluoroethane	U		0.00148	0.00492	1.37	12/27/2024 19:26	WG2425137
Tetrachloroethene	U		0.00176	0.00492	1.37	12/27/2024 19:26	WG2425137
Toluene	0.00388	IJ	0.00255	0.00982	1.37	12/27/2024 19:26	WG2425137
1,2,3-Trichlorobenzene	U		0.0143	0.0245	1.37	12/27/2024 19:26	WG2425137
1,2,4-Trichlorobenzene	U		0.00864	0.0245	1.37	12/27/2024 19:26	WG2425137
1,1,1-Trichloroethane	U		0.00181	0.00492	1.37	12/27/2024 19:26	WG2425137
1,1,2-Trichloroethane	U		0.00117	0.00492	1.37	12/27/2024 19:26	WG2425137
Trichloroethene	U		0.00115	0.00196	1.37	12/27/2024 19:26	WG2425137
Trichlorofluoromethane	U		0.00162	0.00492	1.37	12/27/2024 19:26	WG2425137
1,2,3-Trichloropropane	U		0.00318	0.0245	1.37	12/27/2024 19:26	WG2425137
1,2,4-Trimethylbenzene	U		0.00310	0.00982	1.37	12/27/2024 19:26	WG2425137
1,2,3-Trimethylbenzene	U		0.00310	0.00982	1.37	12/27/2024 19:26	WG2425137
1,3,5-Trimethylbenzene	U		0.00393	0.00982	1.37	12/27/2024 19:26	WG2425137
Vinyl chloride	U		0.00228	0.00492	1.37	12/27/2024 19:26	WG2425137
Xylenes, Total	U		0.00173	0.0128	1.37	12/27/2024 19:26	WG2425137
(S) Toluene-d8	106			75.0-131		12/27/2024 19:26	WG2425137
(S) 4-Bromofluorobenzene	93.1			67.0-138		12/27/2024 19:26	WG2425137
(S) 1,2-Dichloroethane-d4	96.6			70.0-130		12/27/2024 19:26	WG2425137

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	41.0		1.91	5.73	1	12/27/2024 16:49	WG2425643
Residual Range Organics (RRO)	82.5		4.77	14.3	1	12/27/2024 16:49	WG2425643
(S) o-Terphenyl	125			18.0-148		12/27/2024 16:49	WG2425643

Sample Narrative:

L1812652-03 WG2425643: Sample resembles laboratory standard for Hydraulic Oil.

Chlorinated Acid Herbicides (GC) by Method 8151A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.0368	0.100	1	12/31/2024 18:57	WG2425572
Dalapon	U		0.0631	0.100	1	12/31/2024 18:57	WG2425572
2,4-DB	U		0.0267	0.100	1	12/31/2024 18:57	WG2425572
Dicamba	U		0.0324	0.100	1	12/31/2024 18:57	WG2425572
Dichloroprop	U		0.0262	0.100	1	12/31/2024 18:57	WG2425572
Dinoseb	U		0.0365	0.100	1	12/31/2024 18:57	WG2425572
MCPA	U		2.67	9.32	1	12/31/2024 18:57	WG2425572
MCPP	U		2.91	9.32	1	12/31/2024 18:57	WG2425572
2,4,5-T	U		0.0338	0.100	1	12/31/2024 18:57	WG2425572
2,4,5-TP (Silvex)	U		0.0268	0.100	1	12/31/2024 18:57	WG2425572
(S) 2,4-Dichlorophenyl Acetic Acid	50.6			22.0-132		12/31/2024 18:57	WG2425572

Pesticides (GC) by Method 8081B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aldrin	U		0.00924	0.0287	1	12/30/2024 17:50	WG2425978
Alpha BHC	U		0.00913	0.0287	1	12/30/2024 17:50	WG2425978
Beta BHC	U		0.00903	0.0287	1	12/30/2024 17:50	WG2425978
Delta BHC	U		0.00910	0.0287	1	12/30/2024 17:50	WG2425978
Gamma BHC	U		0.00969	0.0287	1	12/30/2024 17:50	WG2425978
Chlordane	U		0.142	0.430	1	12/30/2024 17:50	WG2425978
4,4-DDD	U		0.00989	0.0287	1	12/30/2024 17:50	WG2425978
4,4-DDE	U		0.00965	0.0287	1	12/30/2024 17:50	WG2425978
4,4-DDT	U		0.0110	0.0287	1	12/30/2024 17:50	WG2425978
Dieldrin	U		0.00999	0.0287	1	12/30/2024 17:50	WG2425978
Endosulfan I	U		0.00866	0.0287	1	12/30/2024 17:50	WG2425978
Endosulfan II	U		0.00947	0.0287	1	12/30/2024 17:50	WG2425978
Endosulfan sulfate	U		0.00920	0.0287	1	12/30/2024 17:50	WG2425978
Endrin	U		0.0107	0.0287	1	12/30/2024 17:50	WG2425978
Endrin aldehyde	U		0.00846	0.0287	1	12/30/2024 17:50	WG2425978
Endrin ketone	U		0.00996	0.0287	1	12/30/2024 17:50	WG2425978
Hexachlorobenzene	U		0.00871	0.0287	1	12/30/2024 17:50	WG2425978
Heptachlor	U		0.00993	0.0287	1	12/30/2024 17:50	WG2425978
Heptachlor epoxide	U		0.00932	0.0287	1	12/30/2024 17:50	WG2425978
Methoxychlor	U		0.0116	0.0287	1	12/30/2024 17:50	WG2425978
Toxaphene	U		0.307	0.573	1	12/30/2024 17:50	WG2425978
(S) Decachlorobiphenyl	49.0			10.0-135		12/30/2024 17:50	WG2425978
(S) Tetrachloro-m-xylene	49.9			10.0-139		12/30/2024 17:50	WG2425978

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00330	0.00860	1	12/28/2024 09:33	WG2425253
Acenaphthene	U		0.00300	0.00860	1	12/28/2024 09:33	WG2425253
Acenaphthylene	U		0.00310	0.00860	1	12/28/2024 09:33	WG2425253
Benzo(a)anthracene	U		0.00248	0.00860	1	12/28/2024 09:33	WG2425253
Benzo(a)pyrene	U		0.00257	0.00860	1	12/28/2024 09:33	WG2425253
Benzo(b)fluoranthene	U		0.00219	0.00860	1	12/28/2024 09:33	WG2425253
Benzo(g,h,i)perylene	U		0.00254	0.00860	1	12/28/2024 09:33	WG2425253
Benzo(k)fluoranthene	U		0.00308	0.00860	1	12/28/2024 09:33	WG2425253
Chrysene	U		0.00332	0.00860	1	12/28/2024 09:33	WG2425253
Dibenz(a,h)anthracene	U		0.00247	0.00860	1	12/28/2024 09:33	WG2425253
Fluoranthene	U		0.00325	0.00860	1	12/28/2024 09:33	WG2425253
Fluorene	U		0.00294	0.00860	1	12/28/2024 09:33	WG2425253
Indeno(1,2,3-cd)pyrene	U		0.00259	0.00860	1	12/28/2024 09:33	WG2425253

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Naphthalene	U		0.00585	0.0287	1	12/28/2024 09:33	WG2425253
Phenanthrene	U		0.00331	0.00860	1	12/28/2024 09:33	WG2425253
Pyrene	U		0.00287	0.00860	1	12/28/2024 09:33	WG2425253
1-Methylnaphthalene	U		0.00643	0.0287	1	12/28/2024 09:33	WG2425253
2-Methylnaphthalene	U		0.00612	0.0287	1	12/28/2024 09:33	WG2425253
2-Chloronaphthalene	U		0.00668	0.0287	1	12/28/2024 09:33	WG2425253
(S) p-Terphenyl-d14	97.3			23.0-120		12/28/2024 09:33	WG2425253
(S) Nitrobenzene-d5	80.4			14.0-149		12/28/2024 09:33	WG2425253
(S) 2-Fluorobiphenyl	85.8			34.0-125		12/28/2024 09:33	WG2425253

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	70.3		1	12/26/2024 08:25	WG2424762

1
Cp

2
Tc

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0293	0.0569	1	12/31/2024 16:19	WG2425648

3
Ss

4
Cn

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	1.28	<u>J</u>	0.983	2.85	1	12/28/2024 19:50	WG2425632
Arsenic	3.54		1.19	2.85	1	12/28/2024 19:50	WG2425632
Beryllium	0.644		0.0679	0.285	1	12/28/2024 19:50	WG2425632
Cadmium	U		0.0929	0.712	1	12/28/2024 19:50	WG2425632
Chromium	88.7		0.305	1.42	1	12/28/2024 19:50	WG2425632
Copper	46.5		0.508	2.85	1	12/28/2024 19:50	WG2425632
Lead	18.8		0.464	0.712	1	12/28/2024 19:50	WG2425632
Nickel	68.9		0.285	2.85	1	12/28/2024 19:50	WG2425632
Selenium	3.02		1.52	2.85	1	12/28/2024 19:50	WG2425632
Silver	2.19		0.181	1.42	1	12/28/2024 19:50	WG2425632
Thallium	2.44	<u>J</u>	0.737	2.85	1	12/28/2024 19:50	WG2425632
Zinc	194		1.39	7.12	1	12/28/2024 19:50	WG2425632

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	4.97	<u>B J</u>	1.74	5.12	36	12/29/2024 22:15	WG2426165
(S) a,a,a-Trifluorotoluene(FID)	92.9			77.0-120		12/29/2024 22:15	WG2426165

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		0.0749	0.102	1.44	12/27/2024 19:45	WG2425137
Acrylonitrile	U		0.00740	0.0256	1.44	12/27/2024 19:45	WG2425137
Benzene	U		0.000956	0.00205	1.44	12/27/2024 19:45	WG2425137
Bromobenzene	U		0.00185	0.0256	1.44	12/27/2024 19:45	WG2425137
Bromodichloromethane	U		0.00148	0.00512	1.44	12/27/2024 19:45	WG2425137
Bromoform	U		0.00239	0.0512	1.44	12/27/2024 19:45	WG2425137
Bromomethane	U		0.00404	0.0256	1.44	12/27/2024 19:45	WG2425137
n-Butylbenzene	U		0.0108	0.0256	1.44	12/27/2024 19:45	WG2425137
sec-Butylbenzene	U		0.00591	0.0256	1.44	12/27/2024 19:45	WG2425137
tert-Butylbenzene	U		0.00400	0.0102	1.44	12/27/2024 19:45	WG2425137
Carbon tetrachloride	U		0.00184	0.0102	1.44	12/27/2024 19:45	WG2425137
Chlorobenzene	U		0.000430	0.00512	1.44	12/27/2024 19:45	WG2425137
Chlorodibromomethane	U		0.00125	0.00512	1.44	12/27/2024 19:45	WG2425137
Chloroethane	U		0.00349	0.0102	1.44	12/27/2024 19:45	WG2425137
Chloroform	U		0.00211	0.00512	1.44	12/27/2024 19:45	WG2425137
Chloromethane	U		0.00891	0.0256	1.44	12/27/2024 19:45	WG2425137
2-Chlorotoluene	U	<u>J4</u>	0.00178	0.00512	1.44	12/27/2024 19:45	WG2425137
4-Chlorotoluene	U	<u>J4</u>	0.000922	0.0102	1.44	12/27/2024 19:45	WG2425137
1,2-Dibromo-3-Chloropropane	U		0.00800	0.0512	1.44	12/27/2024 19:45	WG2425137
1,2-Dibromoethane	U		0.00133	0.00512	1.44	12/27/2024 19:45	WG2425137
Dibromomethane	U		0.00154	0.0102	1.44	12/27/2024 19:45	WG2425137
1,2-Dichlorobenzene	U		0.000871	0.0102	1.44	12/27/2024 19:45	WG2425137

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
1,3-Dichlorobenzene	U		0.00123	0.0102	1.44	12/27/2024 19:45	WG2425137
1,4-Dichlorobenzene	U		0.00144	0.0102	1.44	12/27/2024 19:45	WG2425137
Dichlorodifluoromethane	U		0.00330	0.0102	1.44	12/27/2024 19:45	WG2425137
1,1-Dichloroethane	U		0.00101	0.00512	1.44	12/27/2024 19:45	WG2425137
1,2-Dichloroethane	U		0.00133	0.00512	1.44	12/27/2024 19:45	WG2425137
1,1-Dichloroethene	U		0.00124	0.00512	1.44	12/27/2024 19:45	WG2425137
cis-1,2-Dichloroethene	U		0.00151	0.00512	1.44	12/27/2024 19:45	WG2425137
trans-1,2-Dichloroethene	U		0.00213	0.0102	1.44	12/27/2024 19:45	WG2425137
1,2-Dichloropropane	U		0.00290	0.0102	1.44	12/27/2024 19:45	WG2425137
1,1-Dichloropropene	U		0.00165	0.00512	1.44	12/27/2024 19:45	WG2425137
1,3-Dichloropropane	U		0.00103	0.0102	1.44	12/27/2024 19:45	WG2425137
cis-1,3-Dichloropropene	U		0.00155	0.00512	1.44	12/27/2024 19:45	WG2425137
trans-1,3-Dichloropropene	U		0.00233	0.0102	1.44	12/27/2024 19:45	WG2425137
2,2-Dichloropropane	U	C3	0.00283	0.00512	1.44	12/27/2024 19:45	WG2425137
Di-isopropyl ether	U		0.000840	0.00205	1.44	12/27/2024 19:45	WG2425137
Ethylbenzene	U		0.00151	0.00512	1.44	12/27/2024 19:45	WG2425137
Hexachloro-1,3-butadiene	U		0.0123	0.0512	1.44	12/27/2024 19:45	WG2425137
Isopropylbenzene	U		0.000871	0.00512	1.44	12/27/2024 19:45	WG2425137
p-Isopropyltoluene	0.00768	IJ	0.00522	0.0102	1.44	12/27/2024 19:45	WG2425137
2-Butanone (MEK)	U		0.130	0.205	1.44	12/27/2024 19:45	WG2425137
Methylene Chloride	0.0250	B J	0.0136	0.0512	1.44	12/27/2024 19:45	WG2425137
4-Methyl-2-pentanone (MIBK)	U		0.00467	0.0512	1.44	12/27/2024 19:45	WG2425137
Methyl tert-butyl ether	U		0.000717	0.00205	1.44	12/27/2024 19:45	WG2425137
Naphthalene	U		0.0100	0.0256	1.44	12/27/2024 19:45	WG2425137
n-Propylbenzene	U		0.00195	0.0102	1.44	12/27/2024 19:45	WG2425137
Styrene	U		0.000470	0.0256	1.44	12/27/2024 19:45	WG2425137
1,1,1,2-Tetrachloroethane	U		0.00195	0.00512	1.44	12/27/2024 19:45	WG2425137
1,1,2,2-Tetrachloroethane	U		0.00142	0.00512	1.44	12/27/2024 19:45	WG2425137
1,1,2-Trichlorotrifluoroethane	U		0.00155	0.00512	1.44	12/27/2024 19:45	WG2425137
Tetrachloroethene	U		0.00184	0.00512	1.44	12/27/2024 19:45	WG2425137
Toluene	0.00307	IJ	0.00266	0.0102	1.44	12/27/2024 19:45	WG2425137
1,2,3-Trichlorobenzene	U		0.0151	0.0256	1.44	12/27/2024 19:45	WG2425137
1,2,4-Trichlorobenzene	U		0.00902	0.0256	1.44	12/27/2024 19:45	WG2425137
1,1,1-Trichloroethane	U		0.00189	0.00512	1.44	12/27/2024 19:45	WG2425137
1,1,2-Trichloroethane	U		0.00122	0.00512	1.44	12/27/2024 19:45	WG2425137
Trichloroethene	U		0.00120	0.00205	1.44	12/27/2024 19:45	WG2425137
Trichlorofluoromethane	U		0.00169	0.00512	1.44	12/27/2024 19:45	WG2425137
1,2,3-Trichloropropane	U		0.00332	0.0256	1.44	12/27/2024 19:45	WG2425137
1,2,4-Trimethylbenzene	U		0.00324	0.0102	1.44	12/27/2024 19:45	WG2425137
1,2,3-Trimethylbenzene	U		0.00324	0.0102	1.44	12/27/2024 19:45	WG2425137
1,3,5-Trimethylbenzene	U		0.00410	0.0102	1.44	12/27/2024 19:45	WG2425137
Vinyl chloride	U		0.00238	0.00512	1.44	12/27/2024 19:45	WG2425137
Xylenes, Total	U		0.00181	0.0133	1.44	12/27/2024 19:45	WG2425137
(S) Toluene-d8	107			75.0-131		12/27/2024 19:45	WG2425137
(S) 4-Bromofluorobenzene	92.4			67.0-138		12/27/2024 19:45	WG2425137
(S) 1,2-Dichloroethane-d4	93.6			70.0-130		12/27/2024 19:45	WG2425137

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	51.9		1.89	5.69	1	12/27/2024 19:29	WG2425643
Residual Range Organics (RRO)	83.0		4.74	14.2	1	12/27/2024 19:29	WG2425643
(S) o-Terphenyl	98.2			18.0-148		12/27/2024 19:29	WG2425643

Sample Narrative:

L1812652-04 WG2425643: Sample does not resemble laboratory standards.

Chlorinated Acid Herbicides (GC) by Method 8151A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.0366	0.0996	1	12/31/2024 19:08	WG2425572
Dalapon	U		0.0626	0.0996	1	12/31/2024 19:08	WG2425572
2,4-DB	U		0.0265	0.0996	1	12/31/2024 19:08	WG2425572
Dicamba	U		0.0322	0.0996	1	12/31/2024 19:08	WG2425572
Dichloroprop	U		0.0260	0.0996	1	12/31/2024 19:08	WG2425572
Dinoseb	U		0.0363	0.0996	1	12/31/2024 19:08	WG2425572
MCPA	U		2.65	9.25	1	12/31/2024 19:08	WG2425572
MCPP	U		2.89	9.25	1	12/31/2024 19:08	WG2425572
2,4,5-T	U		0.0336	0.0996	1	12/31/2024 19:08	WG2425572
2,4,5-TP (Silvex)	U		0.0266	0.0996	1	12/31/2024 19:08	WG2425572
(S) 2,4-Dichlorophenyl Acetic Acid	40.2			22.0-132		12/31/2024 19:08	WG2425572

Pesticides (GC) by Method 8081B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aldrin	U		0.00918	0.0285	1	12/30/2024 17:59	WG2425978
Alpha BHC	U		0.00906	0.0285	1	12/30/2024 17:59	WG2425978
Beta BHC	U		0.00897	0.0285	1	12/30/2024 17:59	WG2425978
Delta BHC	U		0.00904	0.0285	1	12/30/2024 17:59	WG2425978
Gamma BHC	U		0.00962	0.0285	1	12/30/2024 17:59	WG2425978
Chlordane	U		0.141	0.427	1	12/30/2024 17:59	WG2425978
4,4-DDD	U		0.00982	0.0285	1	12/30/2024 17:59	WG2425978
4,4-DDE	U		0.00958	0.0285	1	12/30/2024 17:59	WG2425978
4,4-DDT	U		0.0109	0.0285	1	12/30/2024 17:59	WG2425978
Dieldrin	U		0.00992	0.0285	1	12/30/2024 17:59	WG2425978
Endosulfan I	U		0.00860	0.0285	1	12/30/2024 17:59	WG2425978
Endosulfan II	U		0.00941	0.0285	1	12/30/2024 17:59	WG2425978
Endosulfan sulfate	U		0.00914	0.0285	1	12/30/2024 17:59	WG2425978
Endrin	U		0.0106	0.0285	1	12/30/2024 17:59	WG2425978
Endrin aldehyde	U		0.00840	0.0285	1	12/30/2024 17:59	WG2425978
Endrin ketone	U		0.00989	0.0285	1	12/30/2024 17:59	WG2425978
Hexachlorobenzene	U		0.00865	0.0285	1	12/30/2024 17:59	WG2425978
Heptachlor	U		0.00986	0.0285	1	12/30/2024 17:59	WG2425978
Heptachlor epoxide	U		0.00925	0.0285	1	12/30/2024 17:59	WG2425978
Methoxychlor	U		0.0115	0.0285	1	12/30/2024 17:59	WG2425978
Toxaphene	U		0.305	0.569	1	12/30/2024 17:59	WG2425978
(S) Decachlorobiphenyl	56.8			10.0-135		12/30/2024 17:59	WG2425978
(S) Tetrachloro-m-xylene	55.0			10.0-139		12/30/2024 17:59	WG2425978

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00327	0.00854	1	12/28/2024 09:51	WG2425253
Acenaphthene	U		0.00297	0.00854	1	12/28/2024 09:51	WG2425253
Acenaphthylene	U		0.00307	0.00854	1	12/28/2024 09:51	WG2425253
Benzo(a)anthracene	U		0.00246	0.00854	1	12/28/2024 09:51	WG2425253
Benzo(a)pyrene	U		0.00255	0.00854	1	12/28/2024 09:51	WG2425253
Benzo(b)fluoranthene	U		0.00218	0.00854	1	12/28/2024 09:51	WG2425253
Benzo(g,h,i)perylene	U		0.00252	0.00854	1	12/28/2024 09:51	WG2425253
Benzo(k)fluoranthene	U		0.00306	0.00854	1	12/28/2024 09:51	WG2425253
Chrysene	U		0.00330	0.00854	1	12/28/2024 09:51	WG2425253
Dibenz(a,h)anthracene	U		0.00245	0.00854	1	12/28/2024 09:51	WG2425253
Fluoranthene	U		0.00323	0.00854	1	12/28/2024 09:51	WG2425253
Fluorene	U		0.00292	0.00854	1	12/28/2024 09:51	WG2425253
Indeno(1,2,3-cd)pyrene	U		0.00258	0.00854	1	12/28/2024 09:51	WG2425253

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Naphthalene	0.00618	J	0.00581	0.0285	1	12/28/2024 09:51	WG2425253
Phenanthrene	U		0.00329	0.00854	1	12/28/2024 09:51	WG2425253
Pyrene	U		0.00285	0.00854	1	12/28/2024 09:51	WG2425253
1-Methylnaphthalene	U		0.00639	0.0285	1	12/28/2024 09:51	WG2425253
2-Methylnaphthalene	U		0.00608	0.0285	1	12/28/2024 09:51	WG2425253
2-Chloronaphthalene	U		0.00663	0.0285	1	12/28/2024 09:51	WG2425253
(S) p-Terphenyl-d14	99.5			23.0-120		12/28/2024 09:51	WG2425253
(S) Nitrobenzene-d5	86.6			14.0-149		12/28/2024 09:51	WG2425253
(S) 2-Fluorobiphenyl	91.9			34.0-125		12/28/2024 09:51	WG2425253

1
Cp

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Tc

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Ss

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Cn

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Sr

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Qc

7
Gl

8
Al

9
Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	12/27/2024 09:33	WG2425235
Toluene	U		0.278	1.00	1	12/27/2024 09:33	WG2425235
Ethylbenzene	U		0.137	1.00	1	12/27/2024 09:33	WG2425235
Total Xylenes	U		0.174	3.00	1	12/27/2024 09:33	WG2425235
(S) Toluene-d8	108			80.0-120		12/27/2024 09:33	WG2425235
(S) 4-Bromofluorobenzene	101			77.0-126		12/27/2024 09:33	WG2425235
(S) 1,2-Dichloroethane-d4	108			70.0-130		12/27/2024 09:33	WG2425235

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4162032-1 12/26/24 09:24

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.00200			

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1812633-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1812633-06 12/26/24 09:24 • (DUP) R4162032-3 12/26/24 09:24

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	33.7	30.6	1	9.69		10

Laboratory Control Sample (LCS)

(LCS) R4162032-2 12/26/24 09:24

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	90.0-110	

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4162014-1 12/26/24 08:25

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.00100			

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1812646-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1812646-02 12/26/24 08:25 • (DUP) R4162014-3 12/26/24 08:25

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	83.0	81.7	1	1.50		10

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R4162014-2 12/26/24 08:25

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	90.0-110	

⁹Sc

Method Blank (MB)

(MB) R4163528-1 12/31/24 15:44

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Mercury	U		0.0206	0.0400

Laboratory Control Sample (LCS)

(LCS) R4163528-2 12/31/24 15:47

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Mercury	0.500	0.441	88.2	80.0-120	

L1812691-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1812691-01 12/31/24 15:55 • (MS) R4163528-4 12/31/24 16:00 • (MSD) R4163528-5 12/31/24 16:03

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Mercury	0.666	U	0.644	0.664	96.7	99.6	1	75.0-125			3.01	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4162637-1 12/28/24 19:29

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.691	2.00
Arsenic	U		0.837	2.00
Beryllium	U		0.0477	0.200
Cadmium	U		0.0653	0.500
Chromium	U		0.214	1.00
Copper	U		0.357	2.00
Lead	U		0.326	0.500
Nickel	U		0.200	2.00
Selenium	U		1.07	2.00
Silver	U		0.127	1.00
Thallium	U		0.518	2.00
Zinc	U		0.974	5.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4162637-2 12/28/24 19:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	85.5	85.5	80.0-120	
Arsenic	100	89.9	89.9	80.0-120	
Beryllium	100	92.5	92.5	80.0-120	
Cadmium	100	88.9	88.9	80.0-120	
Chromium	100	94.0	94.0	80.0-120	
Copper	100	95.6	95.6	80.0-120	
Lead	100	88.5	88.5	80.0-120	
Nickel	100	85.7	85.7	80.0-120	
Selenium	100	87.0	87.0	80.0-120	
Silver	20.0	16.9	84.4	80.0-120	
Thallium	100	94.0	94.0	80.0-120	
Zinc	100	90.8	90.8	80.0-120	

L1812684-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1812684-07 12/28/24 19:32 • (MS) R4162637-5 12/28/24 19:37 • (MSD) R4162637-6 12/28/24 19:39

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	100	U	76.4	82.0	76.4	82.0	1	75.0-125			7.10	20
Arsenic	100	1.08	83.1	86.7	82.0	85.6	1	75.0-125			4.15	20

L1812684-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1812684-07 12/28/24 19:32 • (MS) R4162637-5 12/28/24 19:37 • (MSD) R4162637-6 12/28/24 19:39

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Beryllium	100	1.03	85.9	90.0	84.9	88.9	1	75.0-125			4.64	20
Cadmium	100	0.0731	81.6	85.8	81.5	85.7	1	75.0-125			5.03	20
Chromium	100	602	568	789	0.000	187	1	75.0-125	V	J3 V	32.5	20
Copper	100	31.1	115	127	83.5	96.1	1	75.0-125			10.4	20
Lead	100	11.8	97.0	105	85.1	93.2	1	75.0-125			7.99	20
Nickel	100	555	607	693	51.4	137	1	75.0-125	V	V	13.2	20
Selenium	100	U	80.0	83.8	79.9	83.7	1	75.0-125			4.62	20
Silver	20.0	0.692	16.3	17.2	78.0	82.4	1	75.0-125			5.25	20
Thallium	100	U	90.8	96.5	90.8	96.5	1	75.0-125			6.05	20
Zinc	100	228	229	345	1.09	117	1	75.0-125	J6	J3	40.5	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4163428-2 12/29/24 12:23

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	1.80	J	0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	93.0			77.0-120

Laboratory Control Sample (LCS)

(LCS) R4163428-1 12/29/24 11:14

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5.00	5.56	111	71.0-124	
(S) a,a,a-Trifluorotoluene(FID)			98.0	77.0-120	

L1812969-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1812969-09 12/30/24 01:15 • (MS) R4163428-3 12/30/24 03:08 • (MSD) R4163428-4 12/30/24 03:31

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	142	U	126	154	89.3	109	25	50.0-150			19.8	27
(S) a,a,a-Trifluorotoluene(FID)					99.6	104		77.0-120				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4163044-3 12/27/24 14:10

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
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 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	0.00500
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
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4163044-3 12/27/24 14:10

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	0.0107	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 chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	103			75.0-131
(S) 4-Bromofluorobenzene	93.8			67.0-138
(S) 1,2-Dichloroethane-d4	108			70.0-130

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

(LCS) R4163044-1 12/27/24 12:36 • (LCSD) R4163044-2 12/27/24 12:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.674	0.728	108	116	10.0-160			7.70	31
Acrylonitrile	0.625	0.745	0.731	119	117	45.0-153			1.90	22
Benzene	0.125	0.114	0.121	91.2	96.8	70.0-123			5.96	20
Bromobenzene	0.125	0.140	0.146	112	117	73.0-121			4.20	20
Bromodichloromethane	0.125	0.129	0.135	103	108	73.0-121			4.55	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) R4163044-1 12/27/24 12:36 • (LCSD) R4163044-2 12/27/24 12:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Bromoform	0.125	0.107	0.114	85.6	91.2	64.0-132			6.33	20
Bromomethane	0.125	0.107	0.108	85.6	86.4	56.0-147			0.930	20
n-Butylbenzene	0.125	0.130	0.141	104	113	68.0-135			8.12	20
sec-Butylbenzene	0.125	0.132	0.149	106	119	74.0-130			12.1	20
tert-Butylbenzene	0.125	0.139	0.149	111	119	75.0-127			6.94	20
Carbon tetrachloride	0.125	0.114	0.124	91.2	99.2	66.0-128			8.40	20
Chlorobenzene	0.125	0.115	0.121	92.0	96.8	76.0-128			5.08	20
Chlorodibromomethane	0.125	0.122	0.130	97.6	104	74.0-127			6.35	20
Chloroethane	0.125	0.107	0.110	85.6	88.0	61.0-134			2.76	20
Chloroform	0.125	0.114	0.119	91.2	95.2	72.0-123			4.29	20
Chloromethane	0.125	0.129	0.141	103	113	51.0-138			8.89	20
2-Chlorotoluene	0.125	0.147	0.158	118	126	75.0-124		J4	7.21	20
4-Chlorotoluene	0.125	0.148	0.160	118	128	75.0-124		J4	7.79	20
1,2-Dibromo-3-Chloropropane	0.125	0.132	0.131	106	105	59.0-130			0.760	20
1,2-Dibromoethane	0.125	0.129	0.137	103	110	74.0-128			6.02	20
Dibromomethane	0.125	0.128	0.131	102	105	75.0-122			2.32	20
1,2-Dichlorobenzene	0.125	0.129	0.135	103	108	76.0-124			4.55	20
1,3-Dichlorobenzene	0.125	0.127	0.134	102	107	76.0-125			5.36	20
1,4-Dichlorobenzene	0.125	0.136	0.146	109	117	77.0-121			7.09	20
Dichlorodifluoromethane	0.125	0.124	0.135	99.2	108	43.0-156			8.49	20
1,1-Dichloroethane	0.125	0.126	0.132	101	106	70.0-127			4.65	20
1,2-Dichloroethane	0.125	0.137	0.140	110	112	65.0-131			2.17	20
1,1-Dichloroethene	0.125	0.126	0.133	101	106	65.0-131			5.41	20
cis-1,2-Dichloroethene	0.125	0.112	0.116	89.6	92.8	73.0-125			3.51	20
trans-1,2-Dichloroethene	0.125	0.110	0.115	88.0	92.0	71.0-125			4.44	20
1,2-Dichloropropane	0.125	0.133	0.141	106	113	74.0-125			5.84	20
1,1-Dichloropropene	0.125	0.126	0.136	101	109	73.0-125			7.63	20
1,3-Dichloropropane	0.125	0.134	0.140	107	112	80.0-125			4.38	20
cis-1,3-Dichloropropene	0.125	0.124	0.133	99.2	106	76.0-127			7.00	20
trans-1,3-Dichloropropene	0.125	0.137	0.143	110	114	73.0-127			4.29	20
2,2-Dichloropropane	0.125	0.0957	0.0953	76.6	76.2	59.0-135			0.419	20
Di-isopropyl ether	0.125	0.142	0.148	114	118	60.0-136			4.14	20
Ethylbenzene	0.125	0.119	0.129	95.2	103	74.0-126			8.06	20
Hexachloro-1,3-butadiene	0.125	0.107	0.115	85.6	92.0	57.0-150			7.21	20
Isopropylbenzene	0.125	0.118	0.129	94.4	103	72.0-127			8.91	20
p-Isopropyltoluene	0.125	0.137	0.152	110	122	72.0-133			10.4	20
2-Butanone (MEK)	0.625	0.788	0.824	126	132	30.0-160			4.47	24
Methylene Chloride	0.125	0.112	0.117	89.6	93.6	68.0-123			4.37	20
4-Methyl-2-pentanone (MIBK)	0.625	0.741	0.763	119	122	56.0-143			2.93	20
Methyl tert-butyl ether	0.125	0.132	0.132	106	106	66.0-132			0.000	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) R4163044-1 12/27/24 12:36 • (LCSD) R4163044-2 12/27/24 12:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Naphthalene	0.125	0.129	0.135	103	108	59.0-130			4.55	20
n-Propylbenzene	0.125	0.131	0.143	105	114	74.0-126			8.76	20
Styrene	0.125	0.127	0.135	102	108	72.0-127			6.11	20
1,1,1,2-Tetrachloroethane	0.125	0.124	0.128	99.2	102	74.0-129			3.17	20
1,1,2,2-Tetrachloroethane	0.125	0.152	0.158	122	126	68.0-128			3.87	20
1,1,2-Trichlorotrifluoroethane	0.125	0.114	0.123	91.2	98.4	61.0-139			7.59	20
Tetrachloroethene	0.125	0.113	0.126	90.4	101	70.0-136			10.9	20
Toluene	0.125	0.118	0.125	94.4	100	75.0-121			5.76	20
1,2,3-Trichlorobenzene	0.125	0.127	0.133	102	106	59.0-139			4.62	20
1,2,4-Trichlorobenzene	0.125	0.117	0.125	93.6	100	62.0-137			6.61	20
1,1,1-Trichloroethane	0.125	0.123	0.127	98.4	102	69.0-126			3.20	20
1,1,2-Trichloroethane	0.125	0.125	0.135	100	108	78.0-123			7.69	20
Trichloroethene	0.125	0.121	0.129	96.8	103	76.0-126			6.40	20
Trichlorofluoromethane	0.125	0.128	0.135	102	108	61.0-142			5.32	20
1,2,3-Trichloropropane	0.125	0.160	0.161	128	129	67.0-129			0.623	20
1,2,4-Trimethylbenzene	0.125	0.144	0.156	115	125	70.0-126			8.00	20
1,2,3-Trimethylbenzene	0.125	0.143	0.152	114	122	74.0-124			6.10	20
1,3,5-Trimethylbenzene	0.125	0.139	0.148	111	118	73.0-127			6.27	20
Vinyl chloride	0.125	0.131	0.143	105	114	63.0-134			8.76	20
Xylenes, Total	0.375	0.349	0.374	93.1	99.7	72.0-127			6.92	20
(S) Toluene-d8				96.8	98.4	75.0-131				
(S) 4-Bromofluorobenzene				95.3	94.8	67.0-138				
(S) 1,2-Dichloroethane-d4				117	120	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4163534-3 12/27/24 09:13

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
Toluene	U		0.278	1.00
Ethylbenzene	U		0.137	1.00
Total Xylenes	U		0.174	3.00
(S) Toluene-d8	107			80.0-120
(S) 4-Bromofluorobenzene	98.6			77.0-126
(S) 1,2-Dichloroethane-d4	107			70.0-130

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

(LCS) R4163534-1 12/27/24 08:12 • (LCSD) R4163534-2 12/27/24 08:32

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	4.90	4.54	98.0	90.8	70.0-123			7.63	20
Toluene	5.00	4.47	4.03	89.4	80.6	79.0-120			10.4	20
Ethylbenzene	5.00	4.69	4.28	93.8	85.6	79.0-123			9.14	20
Total Xylenes	15.0	13.5	12.6	90.0	84.0	79.0-123			6.90	20
(S) Toluene-d8				91.1	96.7	80.0-120				
(S) 4-Bromofluorobenzene				90.0	91.8	77.0-126				
(S) 1,2-Dichloroethane-d4				102	105	70.0-130				

L1812410-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1812410-08 12/27/24 15:37 • (MS) R4163534-4 12/27/24 16:58 • (MSD) R4163534-5 12/27/24 17:18

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	U	4.63	4.77	92.6	95.4	1	17.0-158			2.98	27
Toluene	5.00	U	4.31	4.36	86.2	87.2	1	26.0-154			1.15	28
Ethylbenzene	5.00	U	4.53	4.45	90.6	89.0	1	30.0-155			1.78	27
Total Xylenes	15.0	U	13.2	13.5	88.0	90.0	1	29.0-154			2.25	28
(S) Toluene-d8					97.6	95.2		80.0-120				
(S) 4-Bromofluorobenzene					90.9	90.7		77.0-126				
(S) 1,2-Dichloroethane-d4					103	102		70.0-130				

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R4162473-1 12/27/24 16:12

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diesel Range Organics (DRO)	U		1.33	4.00
Residual Range Organics (RRO)	U		3.33	10.0
(S) o-Terphenyl	102			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4162473-2 12/27/24 16:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Diesel Range Organics (DRO)	50.0	50.6	101	50.0-150	
(S) o-Terphenyl			98.0	18.0-148	

L1812652-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1812652-01 12/27/24 16:12 • (MS) R4162473-3 12/27/24 16:24 • (MSD) R4162473-4 12/27/24 16:36

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 %
Diesel Range Organics (DRO)	59.6	56.1	92.5	76.8	61.1	34.9	1	50.0-150		J6	18.7	20
(S) o-Terphenyl					91.8	97.3		18.0-148				

Sample Narrative:

OS: Sample resembles laboratory standard for Motor Oil.

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R4163489-1 12/31/24 11:17

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
2,4-D	U		0.0257	0.0700
Dalapon	U		0.0440	0.0700
2,4-DB	U		0.0186	0.0700
Dicamba	U		0.0226	0.0700
Dichloroprop	U		0.0183	0.0700
Dinoseb	U		0.0255	0.0700
MCPA	U		1.86	6.50
MCPP	U		2.03	6.50
2,4,5-T	U		0.0236	0.0700
2,4,5-TP (Silvex)	U		0.0187	0.0700
(S) 2,4-Dichlorophenyl Acetic Acid	38.1			22.0-132

Laboratory Control Sample (LCS)

(LCS) R4163489-2 12/31/24 11:29

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,4-D	0.0833	0.0571	68.5	40.0-120	J
Dalapon	0.0833	0.0283	34.0	15.0-120	J
2,4-DB	0.0833	0.0472	56.7	25.0-143	J
Dicamba	0.0833	0.0510	61.2	43.0-120	J
Dichloroprop	0.0833	0.0454	54.5	32.0-129	J
Dinoseb	0.0833	0.00960	11.5	10.0-120	J
MCPA	8.33	5.00	60.0	31.0-121	J
MCPP	8.33	3.62	43.5	28.0-133	J
2,4,5-T	0.0833	0.0376	45.1	41.0-120	J
2,4,5-TP (Silvex)	0.0833	0.0483	58.0	42.0-120	J
(S) 2,4-Dichlorophenyl Acetic Acid			50.2	22.0-132	

L1811713-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1811713-01 12/31/24 15:13 • (MS) R4163489-3 12/31/24 15:24 • (MSD) R4163489-4 12/31/24 15:35

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,4-D	0.0886	U	0.0821	0.0692	92.6	79.0	1	10.0-160	J	J	17.0	24
Dalapon	0.0886	U	U	U	40.2	20.9	1	10.0-121	J	J J3	64.5	27
2,4-DB	0.0886	U	0.0771	0.0602	87.0	68.7	1	10.0-160	P	J J3	24.7	22

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

L1811713-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1811713-01 12/31/24 15:13 • (MS) R4163489-3 12/31/24 15:24 • (MSD) R4163489-4 12/31/24 15:35

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Dicamba	0.0886	U	0.0713	0.0579	80.5	66.1	1	10.0-154	J	J	20.8	21
Dichloroprop	0.0886	U	0.0999	0.0907	113	104	1	10.0-158		P	9.70	20
Dinoseb	0.0886	U	0.0403	0.0452	45.5	51.7	1	10.0-120	J	J	11.6	40
MCPA	8.86	U	7.36	6.00	83.0	68.6	1	10.0-160		J	20.3	40
MCPP	8.86	U	5.94	5.76	67.0	65.8	1	10.0-160	J	J	3.12	40
2,4,5-T	0.0886	U	0.0550	0.0454	62.1	51.9	1	10.0-157	J	J	19.0	20
2,4,5-TP (Silvex)	0.0886	U	0.0707	0.0581	79.8	66.4	1	10.0-156	J	J	19.5	20
(S) 2,4-Dichlorophenyl Acetic Acid					73.9	60.9		22.0-132				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4163087-1 12/30/24 15:06

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Aldrin	U		0.00645	0.0200
Alpha BHC	U		0.00637	0.0200
Beta BHC	U		0.00630	0.0200
Delta BHC	U		0.00635	0.0200
Gamma BHC	U		0.00676	0.0200
Chlordane	U		0.0990	0.300
4,4-DDD	U		0.00690	0.0200
4,4-DDE	U		0.00673	0.0200
4,4-DDT	U		0.00766	0.0200
Dieldrin	U		0.00697	0.0200
Endosulfan I	U		0.00604	0.0200
Endosulfan II	U		0.00661	0.0200
Endosulfan sulfate	U		0.00642	0.0200
Endrin	U		0.00746	0.0200
Endrin aldehyde	U		0.00590	0.0200
Endrin ketone	U		0.00695	0.0200
Hexachlorobenzene	U		0.00608	0.0200
Heptachlor	U		0.00693	0.0200
Heptachlor epoxide	U		0.00650	0.0200
Methoxychlor	U		0.00806	0.0200
Toxaphene	U		0.214	0.400
(S) Decachlorobiphenyl	68.3			10.0-135
(S) Tetrachloro-m-xylene	73.0			10.0-139

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4163087-2 12/30/24 15:16

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aldrin	0.0666	0.0477	71.6	34.0-136	
Alpha BHC	0.0666	0.0506	76.0	34.0-139	
Beta BHC	0.0666	0.0479	71.9	34.0-133	
Delta BHC	0.0666	0.0517	77.6	34.0-135	
Gamma BHC	0.0666	0.0512	76.9	34.0-136	
4,4-DDD	0.0666	0.0525	78.8	33.0-141	
4,4-DDE	0.0666	0.0519	77.9	34.0-134	
4,4-DDT	0.0666	0.0529	79.4	30.0-143	
Dieldrin	0.0666	0.0503	75.5	35.0-137	
Endosulfan I	0.0666	0.0470	70.6	34.0-134	

Laboratory Control Sample (LCS)

(LCS) R4163087-2 12/30/24 15:16

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Endosulfan II	0.0666	0.0500	75.1	35.0-132	
Endosulfan sulfate	0.0666	0.0467	70.1	35.0-132	
Endrin	0.0666	0.0488	73.3	34.0-137	
Endrin aldehyde	0.0666	0.0470	70.6	23.0-121	
Endrin ketone	0.0666	0.0491	73.7	35.0-144	
Hexachlorobenzene	0.0666	0.0467	70.1	33.0-129	
Heptachlor	0.0666	0.0581	87.2	36.0-141	
Heptachlor epoxide	0.0666	0.0510	76.6	36.0-134	
Methoxychlor	0.0666	0.0511	76.7	28.0-150	
(S) Decachlorobiphenyl			55.9	10.0-135	
(S) Tetrachloro-m-xylene			58.9	10.0-139	

L1812342-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1812342-02 12/30/24 15:54 • (MS) R4163087-3 12/30/24 16:04 • (MSD) R4163087-4 12/30/24 16:13

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Aldrin	0.0653	U	0.0405	0.0374	62.0	57.3	1	20.0-135			7.96	37
Alpha BHC	0.0653	U	0.0435	0.0397	66.6	60.8	1	27.0-140			9.13	35
Beta BHC	0.0653	U	0.0405	0.0367	62.0	56.2	1	23.0-141			9.84	37
Delta BHC	0.0653	U	0.0432	0.0396	66.2	60.6	1	21.0-138			8.70	35
Gamma BHC	0.0653	U	0.0444	0.0402	68.0	61.6	1	27.0-137			9.93	36
4,4-DDD	0.0653	U	0.0455	0.0427	69.7	65.4	1	15.0-152			6.35	39
4,4-DDE	0.0653	U	0.0422	0.0392	64.6	60.0	1	10.0-152			7.37	40
4,4-DDT	0.0653	U	0.0477	0.0448	73.0	68.6	1	10.0-151			6.27	40
Dieldrin	0.0653	U	0.0418	0.0387	64.0	59.3	1	17.0-145			7.70	37
Endosulfan I	0.0653	U	0.0400	0.0374	61.3	57.3	1	20.0-137			6.72	36
Endosulfan II	0.0653	U	0.0427	0.0396	65.4	60.6	1	15.0-141			7.53	37
Endosulfan sulfate	0.0653	U	0.0408	0.0385	62.5	59.0	1	15.0-143			5.80	38
Endrin	0.0653	U	0.0421	0.0398	64.5	60.9	1	19.0-143			5.62	37
Endrin aldehyde	0.0653	U	0.0417	0.0390	63.9	59.7	1	10.0-139			6.69	40
Endrin ketone	0.0653	U	0.0444	0.0404	68.0	61.9	1	17.0-149			9.43	38
Hexachlorobenzene	0.0653	U	0.0395	0.0361	60.5	55.3	1	25.0-126			8.99	35
Heptachlor	0.0653	U	0.0537	0.0493	82.2	75.5	1	22.0-138			8.54	37
Heptachlor epoxide	0.0653	U	0.0431	0.0393	66.0	60.2	1	22.0-138			9.22	36
Methoxychlor	0.0653	U	0.0461	0.0439	70.6	67.2	1	10.0-159			4.89	40
(S) Decachlorobiphenyl					42.6	43.6		10.0-135				
(S) Tetrachloro-m-xylene					49.6	47.9		10.0-139				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4162916-2 12/28/24 00:39

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.00230	0.00600
Acenaphthene	U		0.00209	0.00600
Acenaphthylene	U		0.00216	0.00600
Benzo(a)anthracene	U		0.00173	0.00600
Benzo(a)pyrene	U		0.00179	0.00600
Benzo(b)fluoranthene	U		0.00153	0.00600
Benzo(g,h,i)perylene	U		0.00177	0.00600
Benzo(k)fluoranthene	U		0.00215	0.00600
Chrysene	U		0.00232	0.00600
Dibenz(a,h)anthracene	U		0.00172	0.00600
Fluoranthene	U		0.00227	0.00600
Fluorene	U		0.00205	0.00600
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600
Naphthalene	U		0.00408	0.0200
Phenanthrene	U		0.00231	0.00600
Pyrene	U		0.00200	0.00600
1-Methylnaphthalene	U		0.00449	0.0200
2-Methylnaphthalene	U		0.00427	0.0200
2-Chloronaphthalene	U		0.00466	0.0200
(S) p-Terphenyl-d14	120			23.0-120
(S) Nitrobenzene-d5	104			14.0-149
(S) 2-Fluorobiphenyl	106			34.0-125

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R4162916-1 12/28/24 00:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0670	83.8	50.0-126	
Acenaphthene	0.0800	0.0684	85.5	50.0-120	
Acenaphthylene	0.0800	0.0698	87.3	50.0-120	
Benzo(a)anthracene	0.0800	0.0666	83.3	45.0-120	
Benzo(a)pyrene	0.0800	0.0657	82.1	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0737	92.1	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0805	101	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0717	89.6	49.0-125	
Chrysene	0.0800	0.0743	92.9	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0797	99.6	47.0-125	
Fluoranthene	0.0800	0.0754	94.3	49.0-129	

Laboratory Control Sample (LCS)

(LCS) R4162916-1 12/28/24 00:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluorene	0.0800	0.0729	91.1	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0718	89.8	46.0-125	
Naphthalene	0.0800	0.0701	87.6	50.0-120	
Phenanthrene	0.0800	0.0707	88.4	47.0-120	
Pyrene	0.0800	0.0772	96.5	43.0-123	
1-Methylnaphthalene	0.0800	0.0738	92.3	51.0-121	
2-Methylnaphthalene	0.0800	0.0711	88.9	50.0-120	
2-Chloronaphthalene	0.0800	0.0711	88.9	50.0-120	
(S) p-Terphenyl-d14			105	23.0-120	
(S) Nitrobenzene-d5			103	14.0-149	
(S) 2-Fluorobiphenyl			103	34.0-125	

L1812374-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1812374-08 12/28/24 19:32 • (MS) R4162887-1 12/28/24 19:50 • (MSD) R4162887-2 12/28/24 20:07

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 %
Anthracene	0.0838	U	0.0749	0.0731	89.4	87.2	1	10.0-145			2.43	30
Acenaphthene	0.0838	U	0.0705	0.0689	84.1	82.2	1	14.0-127			2.28	27
Acenaphthylene	0.0838	0.00463	0.0801	0.0786	90.1	88.3	1	21.0-124			1.87	25
Benzo(a)anthracene	0.0838	U	0.0801	0.0785	95.6	93.7	1	10.0-139			2.00	30
Benzo(a)pyrene	0.0838	U	0.0751	0.0749	89.6	89.4	1	10.0-141			0.282	31
Benzo(b)fluoranthene	0.0838	U	0.0701	0.0705	83.6	84.1	1	10.0-140			0.602	36
Benzo(g,h,i)perylene	0.0838	U	0.0681	0.0686	81.2	81.8	1	10.0-140			0.775	33
Benzo(k)fluoranthene	0.0838	U	0.0695	0.0688	83.0	82.1	1	10.0-137			1.07	31
Chrysene	0.0838	U	0.0794	0.0791	94.7	94.3	1	10.0-145			0.401	30
Dibenz(a,h)anthracene	0.0838	U	0.0738	0.0752	88.0	89.8	1	10.0-132			1.99	31
Fluoranthene	0.0838	0.00344	0.0824	0.0784	94.3	89.5	1	10.0-153			5.00	33
Fluorene	0.0838	U	0.0777	0.0749	92.7	89.4	1	11.0-130			3.61	29
Indeno(1,2,3-cd)pyrene	0.0838	0.0185	0.0731	0.0723	65.2	64.1	1	10.0-137			1.16	32
Naphthalene	0.0838	0.00450	0.0873	0.0783	98.8	88.1	1	10.0-135			10.9	27
Phenanthrene	0.0838	0.00467	0.0757	0.0742	84.7	82.9	1	10.0-144			1.98	31
Pyrene	0.0838	0.00489	0.0730	0.0706	81.3	78.4	1	10.0-148			3.39	35
1-Methylnaphthalene	0.0838	0.00509	0.0860	0.0805	96.6	90.0	1	10.0-142			6.61	28
2-Methylnaphthalene	0.0838	0.00615	0.0920	0.0780	102	85.7	1	10.0-137			16.4	28
2-Chloronaphthalene	0.0838	U	0.0756	0.0744	90.2	88.8	1	29.0-120			1.55	24
(S) p-Terphenyl-d14					95.5	100		23.0-120				
(S) Nitrobenzene-d5					112	117		14.0-149				
(S) 2-Fluorobiphenyl					103	108		34.0-125				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

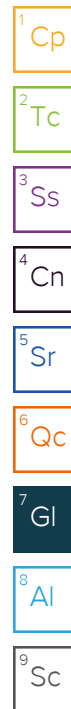
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P	RPD between the primary and confirmatory analysis exceeded 40%.
V	The sample concentration is too high to evaluate accurate spike recoveries.



ACCREDITATIONS & LOCATIONS

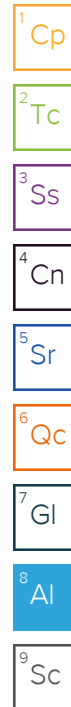
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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	LA000356
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.



State of Oregon Chain of Custody

Agency, Authorized Purchaser or Agent: Oregon DEQ	Contract Laboratory Name: ESC	Lab Selection Criteria: ☐ Proximity (if TAT < 48 hrs) ☐ Prior work on same project ☒ Cost (for anticipated analyses) ☐ Other labs disqualified or unable to perform requested services ☐ Emergency work	Turn Around Time: ☒ 10 days (std.) ☐ 5 days ☐ 72 hours ☐ 48 hours ☐ 24 hours ☐ Other
Send Lab Report To: Cathy Brown Address: 165 E. 7 th Avenue, Suite 100 Eugene, OR 97401 Tel. #: 503-753-6153 E-mail: cathy.brown@deq.oregon.gov	Lab Batch #: Invoice To: ODEQ/Business Office Address: 700 NE Multnomah St, Suite 600 Portland, OR 97232 Tel. #: 503-229-5696		

Project Name: DEQ Forest Creek Sampler Name: Connor Anderson				Sample Preservative										Dia	
Sample ID#	Collection Date/Time	Matrix	Number of Containers	NWTPH-Gx	NWTPH-Dx	VOCs EPA 8260D	SVOCs EPA 8270E-SIM	Dioxins/Furans EPA 1613B	*Priority Pollutant Metals EPA 6010D/7471B	Herbicides EPA 8151A	Pesticides EPA 8081B	BTEX EPA 8260D	Comments		
DRUMAREA-COMP-S	12/17/24; 15:15	S	4	X	X	X	X	X	X	X	X		77		
TIREPILE-COMP-S	12/17/24; 16:00	S	4	X	X	X	X	X	X	X	X		12		
BURNAREA-COMP-S	12/18/24; 13:55	S	4	X	X	X	X	X	X	X	X		07		
BURNAREA-COMP-S-DUP	12/18/24; 13:55	S	4	X	X	X	X	X	X	X	X		04		
TLA9 4.9 +0 = 4.9 Sample Receipt Checklist COC Seal Present/Intact: ☒ Y ☐ N COC Signed/Accurate: ☒ Y ☐ N Bottles arrive intact: ☒ Y ☐ N Correct bottles used: ☒ Y ☐ N Sufficient volume sent: ☒ Y ☐ N RA Screen <0.5 mR/hr: ☒ Y ☐ N 16 samples 2 Trip Line TRK 4301 1538 3894															
TRIP BLANK															

*Priority Pollutant Metals: antimony, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, thallium, and zinc.

Relinquished By: <i>Connor Anderson</i>	Agency/Agent: <i>MFA</i>	Received By:	Agency/Agent:
Signature: <i>[Signature]</i>	Time & Date: <i>12/23/24, 1100</i>	Signature:	Time & Date:
Relinquished By:	Agency/Agent:	Received By:	Agency/Agent:
Signature:	Time & Date:	Signature: <i>Stewart Francis</i>	Time & Date: <i>12/24/24 9:00</i>

THIS PURCHASE IS SUBMITTED PURSUANT TO STATE OF OREGON SOLICITATION #102-1098-07 AND PRICE AGREEMENT # 8903. THE PRICE AGREEMENT INCLUDING CONTRACT TERMS AND CONDITIONS AND SPECIAL CONTRACT TERMS AND CONDITIONS (T'S & C'S) CONTAINED IN THE PRICE AGREEMENT ARE HEREBY INCORPORATED BY REFERENCE AND SHALL APPLY TO THIS PURCHASE AND SHALL TAKE PRECEDENCE OVER ALL OTHER CONFLICTING T'S AND C'S, EXPRESS OR IMPLIED.