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ANALYTICAL REPORT

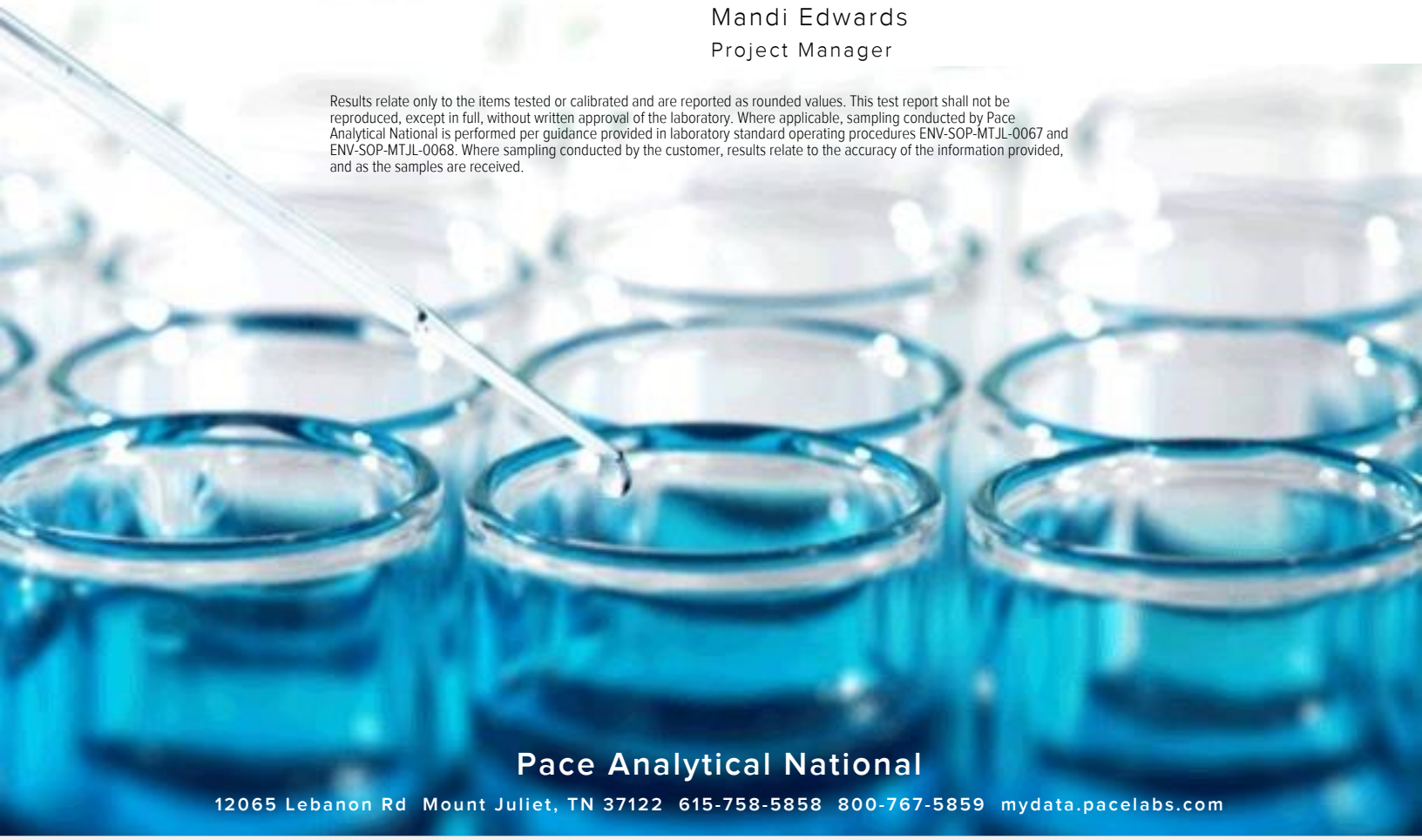
November 12, 2025

Civitas - CO

Sample Delivery Group:	L1910651
Samples Received:	10/23/2025
Project Number:	CO045027
Description:	State Seventy Holes P-4
Report To:	Civitas-Tasman
	4725 Independence
	Suite 100
	Wheat Ridge, CO 80033

Entire Report Reviewed By:

Mandi Edwards
Project Manager



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

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OL-B12@4' L1910651-01

Collected by: GM, TC | Collected date/time: 10/21/25 14:30 | Received date/time: 10/23/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2627538	1	10/29/25 02:20	10/29/25 02:20	MAP	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2626780	1	10/24/25 08:54	10/24/25 09:03	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2628064	1	10/26/25 15:48	10/30/25 09:50	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2629475	1	10/28/25 21:56	10/29/25 00:40	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2629481	1	10/28/25 22:20	10/29/25 11:27	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2627545	1	10/25/25 15:48	10/27/25 11:40	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2627114	1	10/25/25 09:00	11/10/25 01:10	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2627275	25	10/23/25 18:50	10/25/25 04:25	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2626610	1	10/23/25 18:50	10/24/25 21:02	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2627017	1	10/26/25 09:04	10/27/25 18:14	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2627844	1	10/26/25 21:20	10/27/25 12:58	CMF	Mt. Juliet, TN

OL-B13@4' L1910651-02

Collected by: GM, TC | Collected date/time: 10/21/25 14:35 | Received date/time: 10/23/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2627538	1	10/29/25 02:22	10/29/25 02:22	MAP	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2626781	1	10/24/25 08:43	10/24/25 08:52	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2628064	1	10/26/25 15:48	10/30/25 10:46	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2629475	1	10/28/25 21:56	10/29/25 00:40	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2629481	1	10/28/25 22:20	10/29/25 11:27	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2627545	1	10/25/25 15:48	10/27/25 11:43	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2627114	1	10/25/25 09:00	11/10/25 01:13	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2627275	25	10/23/25 18:50	10/25/25 04:48	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2626610	1	10/23/25 18:50	10/24/25 21:21	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2627017	1	10/26/25 09:04	10/27/25 08:25	DMD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2627926	1	10/27/25 15:32	10/28/25 18:47	KGB	Mt. Juliet, TN

OL-B14@11' L1910651-03

Collected by: GM, TC | Collected date/time: 10/21/25 14:40 | Received date/time: 10/23/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2627538	1	10/29/25 02:25	10/29/25 02:25	MAP	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2626781	1	10/24/25 08:43	10/24/25 08:52	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2628064	1	10/26/25 15:48	10/30/25 10:57	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2629475	1	10/28/25 21:56	10/29/25 00:40	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2629481	1	10/28/25 22:20	10/29/25 11:27	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2627545	1	10/25/25 15:48	10/27/25 11:46	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2627114	1	10/25/25 09:00	11/10/25 01:16	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2627275	25	10/23/25 18:50	10/25/25 05:11	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2626610	1	10/23/25 18:50	10/24/25 21:41	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2627017	1	10/26/25 09:04	10/27/25 08:46	DMD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2627926	1	10/27/25 15:32	10/28/25 19:04	KGB	Mt. Juliet, TN

OL-S12@3' L1910651-04

Collected by: GM, TC | Collected date/time: 10/21/25 14:45 | Received date/time: 10/23/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2627538	1	10/29/25 02:27	10/29/25 02:27	MAP	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2626781	1	10/24/25 08:43	10/24/25 08:52	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2628064	1	10/26/25 15:48	10/30/25 11:09	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2629475	1	10/28/25 21:56	10/29/25 00:40	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2629481	1	10/28/25 22:20	10/29/25 11:27	BJM	Mt. Juliet, TN

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

OL-S12@3' L1910651-04

Collected by: GM, TC | Collected date/time: 10/21/25 14:45 | Received date/time: 10/23/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D (S-7.10)	WG2627545	1	10/25/25 15:48	10/27/25 11:49	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2627114	1.06	10/25/25 09:00	11/10/25 01:26	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2627275	25	10/23/25 18:50	10/25/25 05:34	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2626610	1	10/23/25 18:50	10/24/25 22:01	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2627017	1	10/26/25 09:04	10/27/25 09:07	DMD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2627926	1	10/27/25 15:32	10/28/25 19:21	KGB	Mt. Juliet, TN

OL-S13@3' L1910651-05

Collected by: GM, TC | Collected date/time: 10/21/25 14:50 | Received date/time: 10/23/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2627538	1	10/29/25 02:30	10/29/25 02:30	MAP	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2626781	1	10/24/25 08:43	10/24/25 08:52	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2628064	1	10/26/25 15:48	10/30/25 11:42	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2629475	1	10/28/25 21:56	10/29/25 00:40	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2629481	1	10/28/25 22:20	10/29/25 11:27	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2627545	1	10/25/25 15:48	10/27/25 11:52	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2627114	1	10/25/25 09:00	11/10/25 01:29	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2627275	25	10/23/25 18:50	10/25/25 06:19	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2626610	1	10/23/25 18:50	10/24/25 22:20	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2627017	1	10/26/25 09:04	10/27/25 09:28	DMD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2627926	1	10/27/25 15:32	10/28/25 19:39	KGB	Mt. Juliet, TN

OL-S14@10' L1910651-06

Collected by: GM, TC | Collected date/time: 10/21/25 14:55 | Received date/time: 10/23/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2627538	1	10/29/25 02:32	10/29/25 02:32	MAP	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2626781	1	10/24/25 08:43	10/24/25 08:52	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2628064	1	10/26/25 15:48	10/30/25 11:53	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2629475	1	10/28/25 21:56	10/29/25 00:40	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2629481	1	10/28/25 22:20	10/29/25 11:27	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2627545	1	10/25/25 15:48	10/27/25 11:55	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2627114	1	10/25/25 09:00	11/10/25 01:32	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2627275	25	10/23/25 18:50	10/25/25 06:41	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2626610	1	10/23/25 18:50	10/24/25 22:40	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2627017	1	10/26/25 09:04	10/27/25 09:07	DMD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2627926	1	10/27/25 15:32	10/28/25 19:56	KGB	Mt. Juliet, TN

OL-E07@10' L1910651-07

Collected by: GM, TC | Collected date/time: 10/21/25 15:00 | Received date/time: 10/23/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2627538	1	10/29/25 02:35	10/29/25 02:35	MAP	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2626781	1	10/24/25 08:43	10/24/25 08:52	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2628064	1	10/26/25 15:48	10/30/25 12:04	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2629475	1	10/28/25 21:56	10/29/25 00:40	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2629481	1	10/28/25 22:20	10/29/25 11:27	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2627545	1	10/25/25 15:48	10/27/25 11:57	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2627114	1	10/25/25 09:00	11/10/25 01:35	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2627275	25	10/23/25 18:50	10/25/25 07:04	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2627990	1	10/23/25 18:50	10/26/25 20:54	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2627017	1	10/26/25 09:04	10/27/25 18:14	JAS	Mt. Juliet, TN

OL-E07@10' L1910651-07

Collected by: GM, TC
Collected date/time: 10/21/25 15:00
Received date/time: 10/23/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2627926	1	10/27/25 15:32	10/28/25 20:13	KGB	Mt. Juliet, TN

OL-W09@10' L1910651-08

Collected by: GM, TC
Collected date/time: 10/21/25 15:05
Received date/time: 10/23/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2627538	1	10/29/25 02:37	10/29/25 02:37	MAP	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2626781	1	10/24/25 08:43	10/24/25 08:52	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2628064	1	10/26/25 15:48	10/30/25 12:16	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2629475	1	10/28/25 21:56	10/29/25 00:40	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2629481	1	10/28/25 22:20	10/29/25 11:27	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2627545	1	10/25/25 15:48	10/27/25 12:06	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2627114	1	10/25/25 09:00	11/10/25 01:38	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2627275	25	10/23/25 18:50	10/25/25 07:27	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2627990	1	10/23/25 18:50	10/26/25 21:13	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2627017	1	10/26/25 09:04	10/27/25 18:35	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2627926	1	10/27/25 15:32	10/28/25 20:31	KGB	Mt. Juliet, TN

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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.

Mandi Edwards
Project Manager

Sample Delivery Group (SDG) Narrative

Samples for VOC analysis were received in bulk containers. Preservation for method 5035 was not performed within 48 hours of collection.

Batch	Method	Lab Sample ID
WG2626610	8260D	L1910651-01, 02, 03, 04, 05, 06
WG2627275	8015D	L1910651-01, 02, 03, 04, 05, 06, 07, 08

Semi-Volatile Organic Compounds (GC) by Method 8015M

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2627017	C28-C36 Motor Oil Range	L1910651-01, 05, 06, 07

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

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

Batch	Analyte	Lab Sample ID
WG2627926	2-Methylnaphthalene-d10	L1910651-07

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.279		1	10/29/2025 02:20	WG2627538

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	96.9		1	10/24/2025 09:03	WG2626780

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	10/30/2025 09:50	WG2628064

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.21		1	10/29/2025 00:40	WG2629475

Sample Narrative:

L1910651-01 WG2629475: 8.21 at 18.5C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	663	umhos/cm		10.0	1	10/29/2025 11:27	WG2629481

Sample Narrative:

L1910651-01 WG2629481: at 25C

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.100	1	10/27/2025 11:40	WG2627545

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.13		0.100	1	11/10/2025 01:10	WG2627114
Barium	98.4		10.0	1	11/10/2025 01:10	WG2627114
Cadmium	ND		0.100	1	11/10/2025 01:10	WG2627114
Copper	ND		10.0	1	11/10/2025 01:10	WG2627114
Lead	ND		10.0	1	11/10/2025 01:10	WG2627114
Nickel	ND		10.0	1	11/10/2025 01:10	WG2627114
Selenium	0.218		0.100	1	11/10/2025 01:10	WG2627114
Silver	ND		0.500	1	11/10/2025 01:10	WG2627114
Zinc	ND		50.0	1	11/10/2025 01:10	WG2627114

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		2.50	25	10/25/2025 04:25	WG2627275
(S) a,a,a-Trifluorotoluene(FID)	*100*		*77.0-120*		*10/25/2025 04:25*	WG2627275

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	10/24/2025 21:02	WG2626610
Ethylbenzene	ND		0.0100	1	10/24/2025 21:02	WG2626610
Toluene	ND		0.0100	1	10/24/2025 21:02	WG2626610
1,2,4-Trimethylbenzene	ND		0.00500	1	10/24/2025 21:02	WG2626610
1,3,5-Trimethylbenzene	ND		0.00500	1	10/24/2025 21:02	WG2626610
Xylenes, Total	ND		0.100	1	10/24/2025 21:02	WG2626610
(S) Toluene-d8	*97.3*		*75.0-131*		*10/24/2025 21:02*	WG2626610
(S) 4-Bromofluorobenzene	*120*		*67.0-138*		*10/24/2025 21:02*	WG2626610
(S) 1,2-Dichloroethane-d4	*80.4*		*70.0-130*		*10/24/2025 21:02*	WG2626610

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	10/27/2025 18:14	WG2627017
C28-C36 Motor Oil Range	5.64	B	4.00	1	10/27/2025 18:14	WG2627017
(S) o-Terphenyl	*93.5*		*18.0-148*		*10/27/2025 18:14*	WG2627017

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0330	1	10/27/2025 12:58	WG2627844
Anthracene	ND		0.0330	1	10/27/2025 12:58	WG2627844
Benzo(a)anthracene	ND		0.00600	1	10/27/2025 12:58	WG2627844
Benzo(b)fluoranthene	ND		0.0330	1	10/27/2025 12:58	WG2627844
Benzo(k)fluoranthene	ND		0.0330	1	10/27/2025 12:58	WG2627844
Benzo(a)pyrene	ND		0.0330	1	10/27/2025 12:58	WG2627844
Chrysene	ND		0.0330	1	10/27/2025 12:58	WG2627844
Dibenz(a,h)anthracene	ND		0.0330	1	10/27/2025 12:58	WG2627844
Fluoranthene	ND		0.0330	1	10/27/2025 12:58	WG2627844
Fluorene	ND		0.0330	1	10/27/2025 12:58	WG2627844
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	10/27/2025 12:58	WG2627844
1-Methylnaphthalene	ND		0.00300	1	10/27/2025 12:58	WG2627844
2-Methylnaphthalene	ND		0.0120	1	10/27/2025 12:58	WG2627844
Naphthalene	ND		0.00300	1	10/27/2025 12:58	WG2627844
Pyrene	ND		0.0330	1	10/27/2025 12:58	WG2627844
(S) p-Terphenyl-d14	*86.8*		*23.0-120*		*10/27/2025 12:58*	WG2627844
(S) 2-Fluorobiphenyl	*82.9*		*34.0-125*		*10/27/2025 12:58*	WG2627844
(S) 2-Methylnaphthalene-d10	*84.5*		*50.0-150*		*10/27/2025 12:58*	WG2627844

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.181		1	10/29/2025 02:22	WG2627538

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.1		1	10/24/2025 08:52	WG2626781

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	10/30/2025 10:46	WG2628064

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.17		1	10/29/2025 00:40	WG2629475

Sample Narrative:
L1910651-02 WG2629475: 8.17 at 18.5C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1160	umhos/cm		10.0	1	10/29/2025 11:27	WG2629481

Sample Narrative:
L1910651-02 WG2629481: at 25C

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.100	1	10/27/2025 11:43	WG2627545

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.46		0.100	1	11/10/2025 01:13	WG2627114
Barium	77.9		10.0	1	11/10/2025 01:13	WG2627114
Cadmium	ND		0.100	1	11/10/2025 01:13	WG2627114
Copper	ND		10.0	1	11/10/2025 01:13	WG2627114
Lead	ND		10.0	1	11/10/2025 01:13	WG2627114
Nickel	ND		10.0	1	11/10/2025 01:13	WG2627114
Selenium	0.262		0.100	1	11/10/2025 01:13	WG2627114
Silver	ND		0.500	1	11/10/2025 01:13	WG2627114
Zinc	ND		50.0	1	11/10/2025 01:13	WG2627114

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		2.50	25	10/25/2025 04:48	WG2627275
(S) a,a,a-Trifluorotoluene(FID)	*101*		*77.0-120*		*10/25/2025 04:48*	WG2627275

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	10/24/2025 21:21	WG2626610
Ethylbenzene	ND		0.0100	1	10/24/2025 21:21	WG2626610
Toluene	ND		0.0100	1	10/24/2025 21:21	WG2626610
1,2,4-Trimethylbenzene	ND		0.00500	1	10/24/2025 21:21	WG2626610
1,3,5-Trimethylbenzene	ND		0.00500	1	10/24/2025 21:21	WG2626610
Xylenes, Total	ND		0.100	1	10/24/2025 21:21	WG2626610
(S) Toluene-d8	*108*		*75.0-131*		*10/24/2025 21:21*	WG2626610
(S) 4-Bromofluorobenzene	*103*		*67.0-138*		*10/24/2025 21:21*	WG2626610
(S) 1,2-Dichloroethane-d4	*79.6*		*70.0-130*		*10/24/2025 21:21*	WG2626610

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	10/27/2025 08:25	WG2627017
C28-C36 Motor Oil Range	ND		4.00	1	10/27/2025 08:25	WG2627017
(S) o-Terphenyl	*90.8*		*18.0-148*		*10/27/2025 08:25*	WG2627017

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0330	1	10/28/2025 18:47	WG2627926
Anthracene	ND		0.0330	1	10/28/2025 18:47	WG2627926
Benzo(a)anthracene	ND		0.00600	1	10/28/2025 18:47	WG2627926
Benzo(b)fluoranthene	ND		0.0330	1	10/28/2025 18:47	WG2627926
Benzo(k)fluoranthene	ND		0.0330	1	10/28/2025 18:47	WG2627926
Benzo(a)pyrene	ND		0.0330	1	10/28/2025 18:47	WG2627926
Chrysene	ND		0.0330	1	10/28/2025 18:47	WG2627926
Dibenz(a,h)anthracene	ND		0.0330	1	10/28/2025 18:47	WG2627926
Fluoranthene	ND		0.0330	1	10/28/2025 18:47	WG2627926
Fluorene	ND		0.0330	1	10/28/2025 18:47	WG2627926
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	10/28/2025 18:47	WG2627926
1-Methylnaphthalene	ND		0.00300	1	10/28/2025 18:47	WG2627926
2-Methylnaphthalene	ND		0.0120	1	10/28/2025 18:47	WG2627926
Naphthalene	ND		0.00300	1	10/28/2025 18:47	WG2627926
Pyrene	ND		0.0330	1	10/28/2025 18:47	WG2627926
(S) p-Terphenyl-d14	*64.5*		*23.0-120*		*10/28/2025 18:47*	WG2627926
(S) 2-Fluorobiphenyl	*62.0*		*34.0-125*		*10/28/2025 18:47*	WG2627926
(S) 2-Methylnaphthalene-d10	*64.7*		*50.0-150*		*10/28/2025 18:47*	WG2627926

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.72		1	10/29/2025 02:25	WG2627538

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	78.7		1	10/24/2025 08:52	WG2626781

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	10/30/2025 10:57	WG2628064

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.87		1	10/29/2025 00:40	WG2629475

Sample Narrative:

L1910651-03 WG2629475: 8.87 at 18.5C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	187	umhos/cm		10.0	1	10/29/2025 11:27	WG2629481

Sample Narrative:

L1910651-03 WG2629481: at 25C

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.100	1	10/27/2025 11:46	WG2627545

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.65		0.100	1	11/10/2025 01:16	WG2627114
Barium	27.4		10.0	1	11/10/2025 01:16	WG2627114
Cadmium	ND		0.100	1	11/10/2025 01:16	WG2627114
Copper	ND		10.0	1	11/10/2025 01:16	WG2627114
Lead	ND		10.0	1	11/10/2025 01:16	WG2627114
Nickel	ND		10.0	1	11/10/2025 01:16	WG2627114
Selenium	0.134		0.100	1	11/10/2025 01:16	WG2627114
Silver	ND		0.500	1	11/10/2025 01:16	WG2627114
Zinc	ND		50.0	1	11/10/2025 01:16	WG2627114

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		2.50	25	10/25/2025 05:11	WG2627275
(S) a,a,a-Trifluorotoluene(FID)	*101*		*77.0-120*		*10/25/2025 05:11*	WG2627275

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	10/24/2025 21:41	WG2626610
Ethylbenzene	ND		0.0100	1	10/24/2025 21:41	WG2626610
Toluene	ND		0.0100	1	10/24/2025 21:41	WG2626610
1,2,4-Trimethylbenzene	ND		0.00500	1	10/24/2025 21:41	WG2626610
1,3,5-Trimethylbenzene	ND		0.00500	1	10/24/2025 21:41	WG2626610
Xylenes, Total	ND		0.100	1	10/24/2025 21:41	WG2626610
(S) Toluene-d8	*106*		*75.0-131*		*10/24/2025 21:41*	WG2626610
(S) 4-Bromofluorobenzene	*103*		*67.0-138*		*10/24/2025 21:41*	WG2626610
(S) 1,2-Dichloroethane-d4	*80.4*		*70.0-130*		*10/24/2025 21:41*	WG2626610

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	10/27/2025 08:46	WG2627017
C28-C36 Motor Oil Range	ND		4.00	1	10/27/2025 08:46	WG2627017
(S) o-Terphenyl	*79.7*		*18.0-148*		*10/27/2025 08:46*	WG2627017

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0330	1	10/28/2025 19:04	WG2627926
Anthracene	ND		0.0330	1	10/28/2025 19:04	WG2627926
Benzo(a)anthracene	ND		0.00600	1	10/28/2025 19:04	WG2627926
Benzo(b)fluoranthene	ND		0.0330	1	10/28/2025 19:04	WG2627926
Benzo(k)fluoranthene	ND		0.0330	1	10/28/2025 19:04	WG2627926
Benzo(a)pyrene	ND		0.0330	1	10/28/2025 19:04	WG2627926
Chrysene	ND		0.0330	1	10/28/2025 19:04	WG2627926
Dibenz(a,h)anthracene	ND		0.0330	1	10/28/2025 19:04	WG2627926
Fluoranthene	ND		0.0330	1	10/28/2025 19:04	WG2627926
Fluorene	ND		0.0330	1	10/28/2025 19:04	WG2627926
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	10/28/2025 19:04	WG2627926
1-Methylnaphthalene	ND		0.00300	1	10/28/2025 19:04	WG2627926
2-Methylnaphthalene	ND		0.0120	1	10/28/2025 19:04	WG2627926
Naphthalene	ND		0.00300	1	10/28/2025 19:04	WG2627926
Pyrene	ND		0.0330	1	10/28/2025 19:04	WG2627926
(S) p-Terphenyl-d14	*54.0*		*23.0-120*		*10/28/2025 19:04*	WG2627926
(S) 2-Fluorobiphenyl	*58.5*		*34.0-125*		*10/28/2025 19:04*	WG2627926
(S) 2-Methylnaphthalene-d10	*61.7*		*50.0-150*		*10/28/2025 19:04*	WG2627926

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.156		1	10/29/2025 02:27	WG2627538

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.4		1	10/24/2025 08:52	WG2626781

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	10/30/2025 11:09	WG2628064

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.16		1	10/29/2025 00:40	WG2629475

Sample Narrative:

L1910651-04 WG2629475: 8.16 at 18.3C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	450	umhos/cm		10.0	1	10/29/2025 11:27	WG2629481

Sample Narrative:

L1910651-04 WG2629481: at 25C

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.100	1	10/27/2025 11:49	WG2627545

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.05		0.106	1.06	11/10/2025 01:26	WG2627114
Barium	39.9		10.6	1.06	11/10/2025 01:26	WG2627114
Cadmium	ND		0.106	1.06	11/10/2025 01:26	WG2627114
Copper	ND		10.6	1.06	11/10/2025 01:26	WG2627114
Lead	ND		10.6	1.06	11/10/2025 01:26	WG2627114
Nickel	ND		10.6	1.06	11/10/2025 01:26	WG2627114
Selenium	0.228		0.106	1.06	11/10/2025 01:26	WG2627114
Silver	ND		0.530	1.06	11/10/2025 01:26	WG2627114
Zinc	ND		53.0	1.06	11/10/2025 01:26	WG2627114

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		2.50	25	10/25/2025 05:34	WG2627275
(S) a,a,a-Trifluorotoluene(FID)	*100*		*77.0-120*		*10/25/2025 05:34*	WG2627275

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	10/24/2025 22:01	WG2626610
Ethylbenzene	ND		0.0100	1	10/24/2025 22:01	WG2626610
Toluene	ND		0.0100	1	10/24/2025 22:01	WG2626610
1,2,4-Trimethylbenzene	ND		0.00500	1	10/24/2025 22:01	WG2626610
1,3,5-Trimethylbenzene	ND		0.00500	1	10/24/2025 22:01	WG2626610
Xylenes, Total	ND		0.100	1	10/24/2025 22:01	WG2626610
(S) Toluene-d8	*106*		*75.0-131*		*10/24/2025 22:01*	WG2626610
(S) 4-Bromofluorobenzene	*99.5*		*67.0-138*		*10/24/2025 22:01*	WG2626610
(S) 1,2-Dichloroethane-d4	*77.8*		*70.0-130*		*10/24/2025 22:01*	WG2626610

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	10/27/2025 09:07	WG2627017
C28-C36 Motor Oil Range	ND		4.00	1	10/27/2025 09:07	WG2627017
(S) o-Terphenyl	*76.5*		*18.0-148*		*10/27/2025 09:07*	WG2627017

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0330	1	10/28/2025 19:21	WG2627926
Anthracene	ND		0.0330	1	10/28/2025 19:21	WG2627926
Benzo(a)anthracene	ND		0.00600	1	10/28/2025 19:21	WG2627926
Benzo(b)fluoranthene	ND		0.0330	1	10/28/2025 19:21	WG2627926
Benzo(k)fluoranthene	ND		0.0330	1	10/28/2025 19:21	WG2627926
Benzo(a)pyrene	ND		0.0330	1	10/28/2025 19:21	WG2627926
Chrysene	ND		0.0330	1	10/28/2025 19:21	WG2627926
Dibenz(a,h)anthracene	ND		0.0330	1	10/28/2025 19:21	WG2627926
Fluoranthene	ND		0.0330	1	10/28/2025 19:21	WG2627926
Fluorene	ND		0.0330	1	10/28/2025 19:21	WG2627926
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	10/28/2025 19:21	WG2627926
1-Methylnaphthalene	ND		0.00300	1	10/28/2025 19:21	WG2627926
2-Methylnaphthalene	ND		0.0120	1	10/28/2025 19:21	WG2627926
Naphthalene	ND		0.00300	1	10/28/2025 19:21	WG2627926
Pyrene	ND		0.0330	1	10/28/2025 19:21	WG2627926
(S) p-Terphenyl-d14	*76.4*		*23.0-120*		*10/28/2025 19:21*	WG2627926
(S) 2-Fluorobiphenyl	*70.2*		*34.0-125*		*10/28/2025 19:21*	WG2627926
(S) 2-Methylnaphthalene-d10	*74.4*		*50.0-150*		*10/28/2025 19:21*	WG2627926

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.0700		1	10/29/2025 02:30	WG2627538

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.8		1	10/24/2025 08:52	WG2626781

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	10/30/2025 11:42	WG2628064

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.12		1	10/29/2025 00:40	WG2629475

Sample Narrative:

L1910651-05 WG2629475: 8.12 at 18.4C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1990	umhos/cm		10.0	1	10/29/2025 11:27	WG2629481

Sample Narrative:

L1910651-05 WG2629481: at 25C

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.173		0.100	1	10/27/2025 11:52	WG2627545

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.56		0.100	1	11/10/2025 01:29	WG2627114
Barium	55.8		10.0	1	11/10/2025 01:29	WG2627114
Cadmium	ND		0.100	1	11/10/2025 01:29	WG2627114
Copper	ND		10.0	1	11/10/2025 01:29	WG2627114
Lead	ND		10.0	1	11/10/2025 01:29	WG2627114
Nickel	ND		10.0	1	11/10/2025 01:29	WG2627114
Selenium	0.242		0.100	1	11/10/2025 01:29	WG2627114
Silver	ND		0.500	1	11/10/2025 01:29	WG2627114
Zinc	ND		50.0	1	11/10/2025 01:29	WG2627114

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		2.50	25	10/25/2025 06:19	WG2627275
(S) a,a,a-Trifluorotoluene(FID)	*101*		*77.0-120*		*10/25/2025 06:19*	WG2627275

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	10/24/2025 22:20	WG2626610
Ethylbenzene	ND		0.0100	1	10/24/2025 22:20	WG2626610
Toluene	ND		0.0100	1	10/24/2025 22:20	WG2626610
1,2,4-Trimethylbenzene	ND		0.00500	1	10/24/2025 22:20	WG2626610
1,3,5-Trimethylbenzene	ND		0.00500	1	10/24/2025 22:20	WG2626610
Xylenes, Total	ND		0.100	1	10/24/2025 22:20	WG2626610
(S) Toluene-d8	*106*		*75.0-131*		*10/24/2025 22:20*	WG2626610
(S) 4-Bromofluorobenzene	*98.4*		*67.0-138*		*10/24/2025 22:20*	WG2626610
(S) 1,2-Dichloroethane-d4	*78.9*		*70.0-130*		*10/24/2025 22:20*	WG2626610

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	10/27/2025 09:28	WG2627017
C28-C36 Motor Oil Range	4.47	B	4.00	1	10/27/2025 09:28	WG2627017
(S) o-Terphenyl	*88.5*		*18.0-148*		*10/27/2025 09:28*	WG2627017

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0330	1	10/28/2025 19:39	WG2627926
Anthracene	ND		0.0330	1	10/28/2025 19:39	WG2627926
Benzo(a)anthracene	ND		0.00600	1	10/28/2025 19:39	WG2627926
Benzo(b)fluoranthene	ND		0.0330	1	10/28/2025 19:39	WG2627926
Benzo(k)fluoranthene	ND		0.0330	1	10/28/2025 19:39	WG2627926
Benzo(a)pyrene	ND		0.0330	1	10/28/2025 19:39	WG2627926
Chrysene	ND		0.0330	1	10/28/2025 19:39	WG2627926
Dibenz(a,h)anthracene	ND		0.0330	1	10/28/2025 19:39	WG2627926
Fluoranthene	ND		0.0330	1	10/28/2025 19:39	WG2627926
Fluorene	ND		0.0330	1	10/28/2025 19:39	WG2627926
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	10/28/2025 19:39	WG2627926
1-Methylnaphthalene	ND		0.00300	1	10/28/2025 19:39	WG2627926
2-Methylnaphthalene	ND		0.0120	1	10/28/2025 19:39	WG2627926
Naphthalene	ND		0.00300	1	10/28/2025 19:39	WG2627926
Pyrene	ND		0.0330	1	10/28/2025 19:39	WG2627926
(S) p-Terphenyl-d14	*70.7*		*23.0-120*		*10/28/2025 19:39*	WG2627926
(S) 2-Fluorobiphenyl	*64.4*		*34.0-125*		*10/28/2025 19:39*	WG2627926
(S) 2-Methylnaphthalene-d10	*66.7*		*50.0-150*		*10/28/2025 19:39*	WG2627926

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.231		1	10/29/2025 02:32	WG2627538

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.0		1	10/24/2025 08:52	WG2626781

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	10/30/2025 11:53	WG2628064

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.31		1	10/29/2025 00:40	WG2629475

Sample Narrative:
L1910651-06 WG2629475: 8.31 at 18.5C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	170	umhos/cm		10.0	1	10/29/2025 11:27	WG2629481

Sample Narrative:
L1910651-06 WG2629481: at 25C

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.100	1	10/27/2025 11:55	WG2627545

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.86		0.100	1	11/10/2025 01:32	WG2627114
Barium	78.0		10.0	1	11/10/2025 01:32	WG2627114
Cadmium	ND		0.100	1	11/10/2025 01:32	WG2627114
Copper	ND		10.0	1	11/10/2025 01:32	WG2627114
Lead	ND		10.0	1	11/10/2025 01:32	WG2627114
Nickel	ND		10.0	1	11/10/2025 01:32	WG2627114
Selenium	0.328		0.100	1	11/10/2025 01:32	WG2627114
Silver	ND		0.500	1	11/10/2025 01:32	WG2627114
Zinc	ND		50.0	1	11/10/2025 01:32	WG2627114

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		2.50	25	10/25/2025 06:41	WG2627275
(S) a,a,a-Trifluorotoluene(FID)	*101*		*77.0-120*		*10/25/2025 06:41*	WG2627275

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	10/24/2025 22:40	WG2626610
Ethylbenzene	ND		0.0100	1	10/24/2025 22:40	WG2626610
Toluene	ND		0.0100	1	10/24/2025 22:40	WG2626610
1,2,4-Trimethylbenzene	ND		0.00500	1	10/24/2025 22:40	WG2626610
1,3,5-Trimethylbenzene	ND		0.00500	1	10/24/2025 22:40	WG2626610
Xylenes, Total	ND		0.100	1	10/24/2025 22:40	WG2626610
(S) Toluene-d8	*106*		*75.0-131*		*10/24/2025 22:40*	WG2626610
(S) 4-Bromofluorobenzene	*98.0*		*67.0-138*		*10/24/2025 22:40*	WG2626610
(S) 1,2-Dichloroethane-d4	*80.6*		*70.0-130*		*10/24/2025 22:40*	WG2626610

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	10/27/2025 09:07	WG2627017
C28-C36 Motor Oil Range	5.72	B	4.00	1	10/27/2025 09:07	WG2627017
(S) o-Terphenyl	*72.6*		*18.0-148*		*10/27/2025 09:07*	WG2627017

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0330	1	10/28/2025 19:56	WG2627926
Anthracene	ND		0.0330	1	10/28/2025 19:56	WG2627926
Benzo(a)anthracene	ND		0.00600	1	10/28/2025 19:56	WG2627926
Benzo(b)fluoranthene	ND		0.0330	1	10/28/2025 19:56	WG2627926
Benzo(k)fluoranthene	ND		0.0330	1	10/28/2025 19:56	WG2627926
Benzo(a)pyrene	ND		0.0330	1	10/28/2025 19:56	WG2627926
Chrysene	ND		0.0330	1	10/28/2025 19:56	WG2627926
Dibenz(a,h)anthracene	ND		0.0330	1	10/28/2025 19:56	WG2627926
Fluoranthene	ND		0.0330	1	10/28/2025 19:56	WG2627926
Fluorene	ND		0.0330	1	10/28/2025 19:56	WG2627926
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	10/28/2025 19:56	WG2627926
1-Methylnaphthalene	ND		0.00300	1	10/28/2025 19:56	WG2627926
2-Methylnaphthalene	ND		0.0120	1	10/28/2025 19:56	WG2627926
Naphthalene	ND		0.00300	1	10/28/2025 19:56	WG2627926
Pyrene	ND		0.0330	1	10/28/2025 19:56	WG2627926
(S) p-Terphenyl-d14	*77.6*		*23.0-120*		*10/28/2025 19:56*	WG2627926
(S) 2-Fluorobiphenyl	*71.2*		*34.0-125*		*10/28/2025 19:56*	WG2627926
(S) 2-Methylnaphthalene-d10	*73.5*		*50.0-150*		*10/28/2025 19:56*	WG2627926

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.12		1	10/29/2025 02:35	WG2627538

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.6		1	10/24/2025 08:52	WG2626781

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.399		0.200	1	10/30/2025 12:04	WG2628064

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.52		1	10/29/2025 00:40	WG2629475

Sample Narrative:

L1910651-07 WG2629475: 8.52 at 18.1C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	153	umhos/cm		10.0	1	10/29/2025 11:27	WG2629481

Sample Narrative:

L1910651-07 WG2629481: at 25C

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.100	1	10/27/2025 11:57	WG2627545

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.82		0.100	1	11/10/2025 01:35	WG2627114
Barium	37.2		10.0	1	11/10/2025 01:35	WG2627114
Cadmium	ND		0.100	1	11/10/2025 01:35	WG2627114
Copper	ND		10.0	1	11/10/2025 01:35	WG2627114
Lead	ND		10.0	1	11/10/2025 01:35	WG2627114
Nickel	ND		10.0	1	11/10/2025 01:35	WG2627114
Selenium	0.221		0.100	1	11/10/2025 01:35	WG2627114
Silver	ND		0.500	1	11/10/2025 01:35	WG2627114
Zinc	ND		50.0	1	11/10/2025 01:35	WG2627114

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		2.50	25	10/25/2025 07:04	WG2627275
(S) a,a,a-Trifluorotoluene(FID)	*100*		*77.0-120*		*10/25/2025 07:04*	WG2627275

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	10/26/2025 20:54	WG2627990
Ethylbenzene	ND		0.0100	1	10/26/2025 20:54	WG2627990
Toluene	ND		0.0100	1	10/26/2025 20:54	WG2627990
1,2,4-Trimethylbenzene	ND		0.00500	1	10/26/2025 20:54	WG2627990
1,3,5-Trimethylbenzene	ND		0.00500	1	10/26/2025 20:54	WG2627990
Xylenes, Total	ND		0.100	1	10/26/2025 20:54	WG2627990
(S) Toluene-d8	*101*		*75.0-131*		*10/26/2025 20:54*	WG2627990
(S) 4-Bromofluorobenzene	*103*		*67.0-138*		*10/26/2025 20:54*	WG2627990
(S) 1,2-Dichloroethane-d4	*96.9*		*70.0-130*		*10/26/2025 20:54*	WG2627990

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	10/27/2025 18:14	WG2627017
C28-C36 Motor Oil Range	4.60	B	4.00	1	10/27/2025 18:14	WG2627017
(S) o-Terphenyl	*80.9*		*18.0-148*		*10/27/2025 18:14*	WG2627017

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0330	1	10/28/2025 20:13	WG2627926
Anthracene	ND		0.0330	1	10/28/2025 20:13	WG2627926
Benzo(a)anthracene	ND		0.00600	1	10/28/2025 20:13	WG2627926
Benzo(b)fluoranthene	ND		0.0330	1	10/28/2025 20:13	WG2627926
Benzo(k)fluoranthene	ND		0.0330	1	10/28/2025 20:13	WG2627926
Benzo(a)pyrene	ND		0.0330	1	10/28/2025 20:13	WG2627926
Chrysene	ND		0.0330	1	10/28/2025 20:13	WG2627926
Dibenz(a,h)anthracene	ND		0.0330	1	10/28/2025 20:13	WG2627926
Fluoranthene	ND		0.0330	1	10/28/2025 20:13	WG2627926
Fluorene	ND		0.0330	1	10/28/2025 20:13	WG2627926
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	10/28/2025 20:13	WG2627926
1-Methylnaphthalene	ND		0.00300	1	10/28/2025 20:13	WG2627926
2-Methylnaphthalene	ND		0.0120	1	10/28/2025 20:13	WG2627926
Naphthalene	ND		0.00300	1	10/28/2025 20:13	WG2627926
Pyrene	ND		0.0330	1	10/28/2025 20:13	WG2627926
(S) p-Terphenyl-d14	*50.6*		*23.0-120*		*10/28/2025 20:13*	WG2627926
(S) 2-Fluorobiphenyl	*46.4*		*34.0-125*		*10/28/2025 20:13*	WG2627926
(S) 2-Methylnaphthalene-d10	*48.2*	J2	*50.0-150*		*10/28/2025 20:13*	WG2627926

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.444		1	10/29/2025 02:37	WG2627538

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	96.6		1	10/24/2025 08:52	WG2626781

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	10/30/2025 12:16	WG2628064

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.60		1	10/29/2025 00:40	WG2629475

Sample Narrative:

L1910651-08 WG2629475: 8.6 at 18.1C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	133	umhos/cm		10.0	1	10/29/2025 11:27	WG2629481

Sample Narrative:

L1910651-08 WG2629481: at 25C

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.100	1	10/27/2025 12:06	WG2627545

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.09		0.100	1	11/10/2025 01:38	WG2627114
Barium	38.5		10.0	1	11/10/2025 01:38	WG2627114
Cadmium	ND		0.100	1	11/10/2025 01:38	WG2627114
Copper	ND		10.0	1	11/10/2025 01:38	WG2627114
Lead	ND		10.0	1	11/10/2025 01:38	WG2627114
Nickel	ND		10.0	1	11/10/2025 01:38	WG2627114
Selenium	0.162		0.100	1	11/10/2025 01:38	WG2627114
Silver	ND		0.500	1	11/10/2025 01:38	WG2627114
Zinc	ND		50.0	1	11/10/2025 01:38	WG2627114

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		2.50	25	10/25/2025 07:27	WG2627275
(S) a,a,a-Trifluorotoluene(FID)	*100*		*77.0-120*		*10/25/2025 07:27*	WG2627275

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	10/26/2025 21:13	WG2627990
Ethylbenzene	ND		0.0100	1	10/26/2025 21:13	WG2627990
Toluene	ND		0.0100	1	10/26/2025 21:13	WG2627990
1,2,4-Trimethylbenzene	ND		0.00500	1	10/26/2025 21:13	WG2627990
1,3,5-Trimethylbenzene	ND		0.00500	1	10/26/2025 21:13	WG2627990
Xylenes, Total	ND		0.100	1	10/26/2025 21:13	WG2627990
(S) Toluene-d8	*104*		*75.0-131*		*10/26/2025 21:13*	WG2627990
(S) 4-Bromofluorobenzene	*102*		*67.0-138*		*10/26/2025 21:13*	WG2627990
(S) 1,2-Dichloroethane-d4	*93.8*		*70.0-130*		*10/26/2025 21:13*	WG2627990

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	10/27/2025 18:35	WG2627017
C28-C36 Motor Oil Range	ND		4.00	1	10/27/2025 18:35	WG2627017
(S) o-Terphenyl	*91.6*		*18.0-148*		*10/27/2025 18:35*	WG2627017

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0330	1	10/28/2025 20:31	WG2627926
Anthracene	ND		0.0330	1	10/28/2025 20:31	WG2627926
Benzo(a)anthracene	ND		0.00600	1	10/28/2025 20:31	WG2627926
Benzo(b)fluoranthene	ND		0.0330	1	10/28/2025 20:31	WG2627926
Benzo(k)fluoranthene	ND		0.0330	1	10/28/2025 20:31	WG2627926
Benzo(a)pyrene	ND		0.0330	1	10/28/2025 20:31	WG2627926
Chrysene	ND		0.0330	1	10/28/2025 20:31	WG2627926
Dibenz(a,h)anthracene	ND		0.0330	1	10/28/2025 20:31	WG2627926
Fluoranthene	ND		0.0330	1	10/28/2025 20:31	WG2627926
Fluorene	ND		0.0330	1	10/28/2025 20:31	WG2627926
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	10/28/2025 20:31	WG2627926
1-Methylnaphthalene	ND		0.00300	1	10/28/2025 20:31	WG2627926
2-Methylnaphthalene	ND		0.0120	1	10/28/2025 20:31	WG2627926
Naphthalene	ND		0.00300	1	10/28/2025 20:31	WG2627926
Pyrene	ND		0.0330	1	10/28/2025 20:31	WG2627926
(S) p-Terphenyl-d14	*70.4*		*23.0-120*		*10/28/2025 20:31*	WG2627926
(S) 2-Fluorobiphenyl	*63.9*		*34.0-125*		*10/28/2025 20:31*	WG2627926
(S) 2-Methylnaphthalene-d10	*66.4*		*50.0-150*		*10/28/2025 20:31*	WG2627926

Method Blank (MB)

(MB) R4291750-1 10/24/25 09:03

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1910562-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1910562-02 10/24/25 09:03 • (DUP) R4291750-3 10/24/25 09:03

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	66.9	68.6	1	2.48		10

Laboratory Control Sample (LCS)

(LCS) R4291750-2 10/24/25 09:03

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

Method Blank (MB)

(MB) R4291749-1 10/24/25 08:52

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1910685-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1910685-03 10/24/25 08:52 • (DUP) R4291749-3 10/24/25 08:52

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	88.4	87.7	1	0.748		10

Laboratory Control Sample (LCS)

(LCS) R4291749-2 10/24/25 08:52

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

QUALITY CONTROL SUMMARY

L1910651-01,02,03,04,05,06,07,08

Method Blank (MB)

(MB) R4294498-1 10/30/25 09:28

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Hexavalent Chromium	ND		0.200	0.200

L1910651-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1910651-08 10/30/25 12:16 • (DUP) R4294498-7 10/30/25 12:27

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Hexavalent Chromium	ND	ND	1	0.000		20

L1911216-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1911216-10 10/30/25 15:03 • (DUP) R4294498-8 10/30/25 15:14

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Hexavalent Chromium	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4294498-2 10/30/25 09:39

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexavalent Chromium	10.0	10.2	102	80.0-120	

L1910651-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1910651-01 10/30/25 09:50 • (MS) R4294498-3 10/30/25 10:02 • (MSD) R4294498-4 10/30/25 10:13

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Hexavalent Chromium	20.0	ND	16.9	17.2	84.5	86.0	1	75.0-125			1.73	20

L1910651-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1910651-01 10/30/25 09:50 • (MS) R4294498-5 10/30/25 10:24

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	643	ND	575	89.4	50	75.0-125	

L1910651-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1910651-01 10/29/25 00:40 • (DUP) R4293240-2 10/29/25 00:40

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.21	8.20	1	0.122		1

Sample Narrative:

OS: 8.21 at 18.5C

DUP: 8.2 at 18.7C

L1910759-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1910759-04 10/29/25 00:40 • (DUP) R4293240-3 10/29/25 00:40

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	6.96	6.96	1	0.000		1

Sample Narrative:

OS: 6.96 at 18.2C

DUP: 6.96 at 18.4C

Laboratory Control Sample (LCS)

(LCS) R4293240-1 10/29/25 00:40

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	su	su	%	%	
pH	10.0	10.0	100	99.0-101	

Sample Narrative:

LCS: 10 at 18C

Method Blank (MB)

(MB) R4293631-1 10/29/25 11:27

Analyte	MB Result umhos/cm	MB Qualifier	MB MDL umhos/cm	MB RDL umhos/cm
Specific Conductance	ND		10.0	10.0

Sample Narrative:
BLANK: at 25C

L1910651-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1910651-02 10/29/25 11:27 • (DUP) R4293631-3 10/29/25 11:27

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	1160	1110	1	4.23		20

Sample Narrative:
OS: at 25C
DUP: at 25C

L1910759-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1910759-03 10/29/25 11:27 • (DUP) R4293631-4 10/29/25 11:27

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	26.7	26.8	1	0.524		20

Sample Narrative:
OS: at 25C
DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4293631-2 10/29/25 11:27

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	581	552	95.0	90.0-110	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4292492-1 10/27/25 11:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Hot Water Sol. Boron	ND		0.0199	0.100

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

(LCS) R4292492-2 10/27/25 11:35 • (LCSD) R4292492-3 10/27/25 11:37

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 %
Hot Water Sol. Boron	1.00	0.970	0.986	97.0	98.6	80.0-120			1.60	20

Method Blank (MB)

(MB) R4298549-1 11/10/25 00:49

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	ND		0.100	0.100
Barium	ND		10.0	10.0
Cadmium	ND		0.100	0.100
Copper	ND		10.0	10.0
Lead	ND		10.0	10.0
Nickel	ND		10.0	10.0
Selenium	ND		0.100	0.100
Silver	ND		0.500	0.500
Zinc	ND		50.0	50.0

Laboratory Control Sample (LCS)

(LCS) R4298549-2 11/10/25 00:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	99.6	99.6	80.0-120	
Barium	100	95.6	95.6	80.0-120	
Cadmium	100	101	101	80.0-120	
Copper	100	96.8	96.8	80.0-120	
Lead	100	97.3	97.3	80.0-120	
Nickel	100	101	101	80.0-120	
Selenium	100	101	101	80.0-120	
Silver	20.0	21.2	106	80.0-120	
Zinc	100	99.2	99.2	80.0-120	

L1910692-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1910692-02 11/10/25 00:55 • (MS) R4298549-5 11/10/25 01:04 • (MSD) R4298549-6 11/10/25 01:07

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	100	1.84	99.2	90.1	97.3	88.2	1.02	75.0-125			9.60	20
Barium	100	33.2	126	113	92.5	79.5	1.02	75.0-125			10.9	20
Cadmium	100	ND	97.5	89.6	97.5	89.6	1.02	75.0-125			8.51	20
Copper	100	ND	96.0	85.7	96.0	85.7	1.02	75.0-125			11.3	20
Lead	100	ND	98.2	84.9	98.2	84.9	1.02	75.0-125			14.6	20
Nickel	100	ND	99.3	91.7	99.3	91.7	1.02	75.0-125			8.00	20
Selenium	100	0.129	95.1	92.0	95.0	91.9	1.02	75.0-125			3.35	20
Silver	20.0	ND	20.6	18.5	103	92.5	1.02	75.0-125			10.8	20
Zinc	100	ND	105	97.3	105	97.3	1.02	75.0-125			8.01	20

Method Blank (MB)

(MB) R4292071-2 10/24/25 23:08

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	ND		2.00	2.50
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*

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

(LCS) R4292071-1 10/24/25 22:00 • (LCSD) R4292071-3 10/24/25 23:52

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 %
TPH (GC/FID) Low Fraction	5.00	4.49	4.55	89.8	91.0	72.0-127			1.33	20
(S) a,a,a-Trifluorotoluene(FID)				*107*	*105*	*77.0-120*				

L1910651-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1910651-01 10/25/25 04:25 • (MS) R4292071-4 10/25/25 08:36 • (MSD) R4292071-5 10/25/25 08:59

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	125	ND	86.4	111	69.1	88.8	25	10.0-151			24.9	28
(S) a,a,a-Trifluorotoluene(FID)					*104*	*106*		*77.0-120*				

Method Blank (MB)

(MB) R4292052-2 10/24/25 12:34

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	ND		0.00100	0.00100
Ethylbenzene	ND		0.0100	0.0100
Toluene	ND		0.0100	0.0100
1,2,4-Trimethylbenzene	ND		0.00500	0.00500
1,3,5-Trimethylbenzene	ND		0.00500	0.00500
Xylenes, Total	ND		0.100	0.100
(S) Toluene-d8	*106*			*75.0-131*
(S) 4-Bromofluorobenzene	*93.9*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*73.4*			*70.0-130*

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

(LCS) R4292052-1 10/24/25 10:57 • (LCSD) R4292052-3 10/24/25 14:10

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 %
Benzene	0.250	0.231	0.225	92.4	90.0	70.0-123			2.63	20
Ethylbenzene	0.250	0.244	0.239	97.6	95.6	74.0-126			2.07	20
Toluene	0.250	0.247	0.246	98.8	98.4	75.0-121			0.406	20
1,2,4-Trimethylbenzene	0.250	0.302	0.286	121	114	70.0-126			5.44	20
1,3,5-Trimethylbenzene	0.250	0.289	0.267	116	107	73.0-127			7.91	20
Xylenes, Total	0.750	0.760	0.749	101	99.9	72.0-127			1.46	20
(S) Toluene-d8				*104*	*108*	*75.0-131*				
(S) 4-Bromofluorobenzene				*92.4*	*97.7*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*80.9*	*85.2*	*70.0-130*				

L1910314-40 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1910314-40 10/24/25 16:10 • (MS) R4292052-4 10/24/25 23:39 • (MSD) R4292052-5 10/24/25 23:58

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.294	ND	0.216	0.242	86.4	96.8	1	10.0-149			11.4	37
Ethylbenzene	0.294	ND	0.247	0.265	98.8	106	1	10.0-160			7.03	38
Toluene	0.294	ND	0.243	0.261	97.2	104	1	10.0-156			7.14	38
1,2,4-Trimethylbenzene	0.294	ND	0.332	0.311	133	124	1	10.0-160			6.53	36
1,3,5-Trimethylbenzene	0.294	ND	0.317	0.291	127	116	1	10.0-160			8.55	38
Xylenes, Total	0.882	ND	0.749	0.827	99.9	110	1	10.0-160			9.90	38
(S) Toluene-d8					*108*	*105*		*75.0-131*				
(S) 4-Bromofluorobenzene					*88.1*	*95.4*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*80.1*	*82.3*		*70.0-130*				

Method Blank (MB)

(MB) R4293858-3 10/26/25 19:56

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	ND		0.00100	0.00100
Ethylbenzene	ND		0.0100	0.0100
Toluene	ND		0.0100	0.0100
1,2,4-Trimethylbenzene	ND		0.00500	0.00500
1,3,5-Trimethylbenzene	ND		0.00500	0.00500
Xylenes, Total	ND		0.100	0.100
(S) Toluene-d8	*98.1*			*75.0-131*
(S) 4-Bromofluorobenzene	*98.3*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*95.1*			*70.0-130*

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

(LCS) R4293858-1 10/26/25 18:22 • (LCSD) R4293858-2 10/26/25 18:41

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 %
Benzene	0.250	0.234	0.275	93.6	110	70.0-123			16.1	20
Ethylbenzene	0.250	0.233	0.280	93.2	112	74.0-126			18.3	20
Toluene	0.250	0.227	0.272	90.8	109	75.0-121			18.0	20
1,2,4-Trimethylbenzene	0.250	0.227	0.265	90.8	106	70.0-126			15.4	20
1,3,5-Trimethylbenzene	0.250	0.227	0.265	90.8	106	73.0-127			15.4	20
Xylenes, Total	0.750	0.682	0.820	90.9	109	72.0-127			18.4	20
(S) Toluene-d8				*98.4*	*98.7*	*75.0-131*				
(S) 4-Bromofluorobenzene				*100*	*99.0*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*100*	*101*	*70.0-130*				

Method Blank (MB)

(MB) R4292551-1 10/27/25 07:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	ND		1.61	4.00
C28-C36 Motor Oil Range	3.01	J	0.274	4.00
(S) o-Terphenyl	*97.4*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4292551-2 10/27/25 07:43

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	44.0	88.0	50.0-150	
(S) o-Terphenyl			*74.2*	*18.0-148*	

L1910314-57 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1910314-57 10/27/25 18:35 • (MS) R4292551-3 10/27/25 18:56 • (MSD) R4292551-4 10/27/25 19:17

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	48.6	8.39	52.8	57.1	91.4	100	1	50.0-150			7.83	20
(S) o-Terphenyl					*68.7*	*66.5*		*18.0-148*				

Method Blank (MB)

(MB) R4292908-2 10/27/25 12:38

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	ND		0.0330	0.0330
Anthracene	ND		0.0330	0.0330
Benzo(a)anthracene	ND		0.00600	0.00600
Benzo(b)fluoranthene	ND		0.0330	0.0330
Benzo(k)fluoranthene	ND		0.0330	0.0330
Benzo(a)pyrene	ND		0.0330	0.0330
Chrysene	ND		0.0330	0.0330
Dibenz(a,h)anthracene	ND		0.0330	0.0330
Fluoranthene	ND		0.0330	0.0330
Fluorene	ND		0.0330	0.0330
Indeno(1,2,3-cd)pyrene	ND		0.0330	0.0330
1-Methylnaphthalene	ND		0.00300	0.00300
2-Methylnaphthalene	ND		0.0120	0.0120
Naphthalene	ND		0.00300	0.00300
Pyrene	ND		0.0330	0.0330
(S) p-Terphenyl-d14	*91.0*			*23.0-120*
(S) 2-Fluorobiphenyl	*87.6*			*34.0-125*
(S) 2-Methylnaphthalene-d10	*89.8*			*50.0-150*

Laboratory Control Sample (LCS)

(LCS) R4292908-1 10/27/25 12:19

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.0800	0.0637	79.6	50.0-120	
Anthracene	0.0800	0.0605	75.6	50.0-126	
Benzo(a)anthracene	0.0800	0.0691	86.4	45.0-120	
Benzo(b)fluoranthene	0.0800	0.0723	90.4	42.0-121	
Benzo(k)fluoranthene	0.0800	0.0643	80.4	49.0-125	
Benzo(a)pyrene	0.0800	0.0564	70.5	42.0-120	
Chrysene	0.0800	0.0724	90.5	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0707	88.4	47.0-125	
Fluoranthene	0.0800	0.0703	87.9	49.0-129	
Fluorene	0.0800	0.0704	88.0	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0670	83.8	46.0-125	
1-Methylnaphthalene	0.0800	0.0717	89.6	51.0-121	
2-Methylnaphthalene	0.0800	0.0700	87.5	50.0-120	
Naphthalene	0.0800	0.0680	85.0	50.0-120	
Pyrene	0.0800	0.0691	86.4	43.0-123	

Laboratory Control Sample (LCS)

(LCS) R4292908-1 10/27/25 12:19

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) p-Terphenyl-d14			*94.7*	*23.0-120*	
(S) 2-Fluorobiphenyl			*89.6*	*34.0-125*	
(S) 2-Methylnaphthalene-d10			*94.8*	*50.0-150*	

L1911094-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1911094-01 10/27/25 13:37 • (MS) R4292908-3 10/27/25 13:56 • (MSD) R4292908-4 10/27/25 14:16

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.0792	ND	0.0572	0.0541	72.2	68.3	1	14.0-127			5.57	27
Anthracene	0.0792	ND	0.0560	0.0527	70.7	66.5	1	10.0-145			6.07	30
Benzo(a)anthracene	0.0792	ND	0.0593	0.0559	74.9	70.6	1	10.0-139			5.90	30
Benzo(b)fluoranthene	0.0792	ND	0.0609	0.0569	76.9	71.8	1	10.0-140			6.79	36
Benzo(k)fluoranthene	0.0792	ND	0.0595	0.0544	75.1	68.7	1	10.0-137			8.96	31
Benzo(a)pyrene	0.0792	ND	0.0575	0.0533	72.6	67.3	1	10.0-141			7.58	31
Chrysene	0.0792	ND	0.0650	0.0605	82.1	76.4	1	10.0-145			7.17	30
Dibenz(a,h)anthracene	0.0792	ND	0.0600	0.0555	75.8	70.1	1	10.0-132			7.79	31
Fluoranthene	0.0792	ND	0.0645	0.0606	81.4	76.5	1	10.0-153			6.24	33
Fluorene	0.0792	ND	0.0611	0.0581	77.1	73.4	1	11.0-130			5.03	29
Indeno(1,2,3-cd)pyrene	0.0792	ND	0.0574	0.0537	72.5	67.8	1	10.0-137			6.66	32
1-Methylnaphthalene	0.0792	ND	0.0633	0.0607	79.9	76.6	1	10.0-142			4.19	28
2-Methylnaphthalene	0.0792	ND	0.0614	0.0586	77.5	74.0	1	10.0-137			4.67	28
Naphthalene	0.0792	ND	0.0606	0.0572	76.5	72.2	1	10.0-135			5.77	27
Pyrene	0.0792	ND	0.0621	0.0583	78.4	73.6	1	10.0-148			6.31	35
(S) p-Terphenyl-d14					*85.5*	*68.4*		*23.0-120*				
(S) 2-Fluorobiphenyl					*84.9*	*66.6*		*34.0-125*				
(S) 2-Methylnaphthalene-d10					*85.6*	*69.2*		*50.0-150*				

Method Blank (MB)

(MB) R4293261-2 10/28/25 17:55

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	ND		0.0330	0.0330
Anthracene	ND		0.0330	0.0330
Benzo(a)anthracene	ND		0.00600	0.00600
Benzo(b)fluoranthene	ND		0.0330	0.0330
Benzo(k)fluoranthene	ND		0.0330	0.0330
Benzo(a)pyrene	ND		0.0330	0.0330
Chrysene	ND		0.0330	0.0330
Dibenz(a,h)anthracene	ND		0.0330	0.0330
Fluoranthene	ND		0.0330	0.0330
Fluorene	ND		0.0330	0.0330
Indeno(1,2,3-cd)pyrene	ND		0.0330	0.0330
1-Methylnaphthalene	ND		0.00300	0.00300
2-Methylnaphthalene	ND		0.0120	0.0120
Naphthalene	ND		0.00300	0.00300
Pyrene	ND		0.0330	0.0330
(S) p-Terphenyl-d14	*86.1*			*23.0-120*
(S) 2-Fluorobiphenyl	*78.7*			*34.0-125*
(S) 2-Methylnaphthalene-d10	*82.1*			*50.0-150*

Laboratory Control Sample (LCS)

(LCS) R4293261-1 10/28/25 17:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.0800	0.0634	79.3	50.0-120	
Anthracene	0.0800	0.0734	91.8	50.0-126	
Benzo(a)anthracene	0.0800	0.0752	94.0	45.0-120	
Benzo(b)fluoranthene	0.0800	0.0713	89.1	42.0-121	
Benzo(k)fluoranthene	0.0800	0.0693	86.6	49.0-125	
Benzo(a)pyrene	0.0800	0.0620	77.5	42.0-120	
Chrysene	0.0800	0.0743	92.9	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0672	84.0	47.0-125	
Fluoranthene	0.0800	0.0777	97.1	49.0-129	
Fluorene	0.0800	0.0683	85.4	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0714	89.3	46.0-125	
1-Methylnaphthalene	0.0800	0.0728	91.0	51.0-121	
2-Methylnaphthalene	0.0800	0.0687	85.9	50.0-120	
Naphthalene	0.0800	0.0662	82.8	50.0-120	
Pyrene	0.0800	0.0739	92.4	43.0-123	

Laboratory Control Sample (LCS)

(LCS) R4293261-1 10/28/25 17:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) p-Terphenyl-d14			*87.4*	*23.0-120*	
(S) 2-Fluorobiphenyl			*80.7*	*34.0-125*	
(S) 2-Methylnaphthalene-d10			*85.6*	*50.0-150*	

L1910651-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1910651-08 10/28/25 20:31 • (MS) R4293261-3 10/28/25 20:48 • (MSD) R4293261-4 10/28/25 21:05

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.0796	ND	0.0590	0.0539	74.1	68.8	1	14.0-127			9.03	27
Anthracene	0.0796	ND	0.0665	0.0602	83.5	76.8	1	10.0-145			9.94	30
Benzo(a)anthracene	0.0796	ND	0.0685	0.0605	86.1	77.2	1	10.0-139			12.4	30
Benzo(b)fluoranthene	0.0796	ND	0.0630	0.0568	79.1	72.4	1	10.0-140			10.4	36
Benzo(k)fluoranthene	0.0796	ND	0.0640	0.0580	80.4	74.0	1	10.0-137			9.84	31
Benzo(a)pyrene	0.0796	ND	0.0658	0.0589	82.7	75.1	1	10.0-141			11.1	31
Chrysene	0.0796	ND	0.0687	0.0612	86.3	78.1	1	10.0-145			11.5	30
Dibenz(a,h)anthracene	0.0796	ND	0.0680	0.0623	85.4	79.5	1	10.0-132			8.75	31
Fluoranthene	0.0796	ND	0.0712	0.0646	89.4	82.4	1	10.0-153			9.72	33
Fluorene	0.0796	ND	0.0650	0.0582	81.7	74.2	1	11.0-130			11.0	29
Indeno(1,2,3-cd)pyrene	0.0796	ND	0.0670	0.0600	84.2	76.5	1	10.0-137			11.0	32
1-Methylnaphthalene	0.0796	ND	0.0666	0.0605	83.7	77.2	1	10.0-142			9.60	28
2-Methylnaphthalene	0.0796	ND	0.0628	0.0560	78.9	71.4	1	10.0-137			11.4	28
Naphthalene	0.0796	ND	0.0604	0.0547	75.9	69.8	1	10.0-135			9.90	27
Pyrene	0.0796	ND	0.0679	0.0606	85.3	77.3	1	10.0-148			11.4	35
(S) p-Terphenyl-d14					*76.1*	*63.5*		*23.0-120*				
(S) 2-Fluorobiphenyl					*71.7*	*60.8*		*34.0-125*				
(S) 2-Methylnaphthalene-d10					*75.7*	*62.4*		*50.0-150*				

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
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.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.

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.

L1910651

Company Name/Address:
Civitas/Tasman - CO
4725 Independence St,
Wheat Ridge, Colorado 80033

Billing Information:
Accounts Payable
650 Southgate Dr.
Windsor, CO 80550

Pres Chk

Project Manager:
Sam Vogt / Jacob Evans

Email: svogt@tasman-geo.com / Jevans@civiresources.com

Project Name: State Seventy Holes P-4

Please Circle: PT (MT) CT ET

Phone: 610-405-9078

Lab Project #:

AFE# or C/C: COD45027

Collected by (print): Torren Clemens / Gabrielle Mather

Site/Facility ID #:

Billing Code #: 8520.167

Collected by (signature): Torren Clemens

Immediately Packed on Ice N ____ Y ____

Rush? (Lab MUST Be Notified)
____Same Day ____Five Day
____Next Day ____5 Day (Rad Only)
____Two Day ____10 Day (Rad Only)
____Three Day

Quote #

Date Results Needed: STD

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

Pace
PEOPLE ADVANCING SCIENCE

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

SDG #

G107

Acctnum: CIVTASCO
Template: T250702
Prelogin: P1068185
PM: 824 - Chris Ward
PB:

Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	# of Containers	Full TABLE915 8ozClr-NoPres	Background TABLE915 8ozClr-NoPres	V8260 (GW TABLE915) 40mL Amb-HCl	Chloride, Sulfate 125mL HDPE-NoPres	TDS 1L-HDPE-NoPres	Remarks	Sample # (lab only)
OL-B12@4'	Grab	SS	4'	10/21/25	14:30	2	X						01
OL-B13@4'			4'		14:35								02
OL-B14@11'			11'		14:40								03
OL-S12@3'			3'		14:45								04
OL-S13@~~10~~3'			~~10~~3'		14:50								05
OL-S14@10'			10'		14:55								06
OL-E07@10'					15:00								07
OL-W09@10'					15:05								08

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

Remarks:
pH, EC, SAR by saturated paste preparation method
Boron by hot water soluble preparation method
Table 915-1 Metals - As, Ba, Cd, Cu, Pb, Ni, Se, Ag, Zn, Cr VI

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Torren Clemens	10/21/25	17:33		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
	10/22/25	1800	SWA	TLA 0.9 ± 0 = 0.9 10
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
			Sabrina Lee	10/23/25 8:30

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK