

Chevron - CO

Sample Delivery Group: L1861906
Samples Received: 05/22/2025
Project Number: C024-137
Description: Noble - REI 25-10 (Facility)
Site: REM. #: 34864
Report To: Paul H.
2115 117th Avenue
Greeley, CO 80631

Entire Report Reviewed By:



Chris Ward
Project Manager

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

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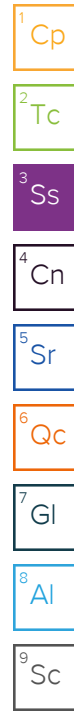
SAMPLE SUMMARY

MW-1 8FT L1861906-01

Collected by
Collected date/time
Received date/time

05/21/25 09:08 05/22/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2524666	1	05/30/25 05:37	05/30/25 05:37	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2522806	1	05/26/25 01:46	06/03/25 10:28	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2526879	1	05/30/25 06:55	05/30/25 07:24	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2526881	1	05/30/25 06:57	05/30/25 15:06	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2524668	1	05/29/25 19:34	05/30/25 09:12	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2523164	5	05/30/25 08:21	06/02/25 01:50	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2524967	1	05/25/25 20:09	05/28/25 06:57	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2523761	1	05/25/25 20:09	05/26/25 11:51	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2526207	1	05/30/25 09:43	05/30/25 21:21	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2524836	1	05/28/25 09:46	05/28/25 18:30	VDR	Mt. Juliet, TN



MW-1 20FT L1861906-02

Collected by
Collected date/time
Received date/time

05/21/25 09:08 05/22/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2524666	1	05/30/25 05:39	05/30/25 05:39	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2522806	1	05/26/25 01:46	06/03/25 10:37	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2526879	1	05/30/25 06:55	05/30/25 07:24	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2526881	1	05/30/25 06:57	05/30/25 15:06	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2524668	1	05/29/25 19:34	05/30/25 09:13	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2523164	5	05/30/25 08:21	06/02/25 01:53	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2524967	1	05/25/25 20:09	05/28/25 07:20	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2523761	1	05/25/25 20:09	05/26/25 12:11	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2526207	1	05/30/25 09:43	05/30/25 20:28	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2524836	1	05/28/25 09:46	05/28/25 18:48	VDR	Mt. Juliet, TN

MW-2 11FT L1861906-03

Collected by
Collected date/time
Received date/time

05/21/25 10:50 05/22/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2524662	1	05/30/25 15:53	05/30/25 15:53	BAG	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2522806	1	05/26/25 01:46	06/03/25 10:46	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2526888	1	05/30/25 07:09	05/30/25 08:09	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2526889	1	05/30/25 07:10	05/30/25 18:00	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2524673	1	05/29/25 19:55	05/30/25 10:06	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2523163	5	05/29/25 15:09	06/04/25 11:35	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2524967	1	05/25/25 20:09	05/28/25 07:42	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2523761	1	05/25/25 20:09	05/26/25 12:30	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2526207	1	05/30/25 09:43	05/30/25 18:30	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2524836	1	05/28/25 09:46	05/28/25 19:05	VDR	Mt. Juliet, TN

MW-2 20FT L1861906-04

Collected by
Collected date/time
Received date/time

05/21/25 10:50 05/22/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2524663	1	06/01/25 01:29	06/01/25 01:29	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2522806	1	05/26/25 01:46	06/03/25 11:13	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2528213	1	06/01/25 10:42	06/01/25 10:58	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2528214	1	06/01/25 10:44	06/01/25 17:30	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2524671	1	05/29/25 19:29	05/30/25 13:30	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2523164	5	05/30/25 08:21	06/02/25 01:56	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2524967	1	05/25/25 20:09	05/28/25 08:05	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2523761	1	05/25/25 20:09	05/26/25 12:50	DWR	Mt. Juliet, TN

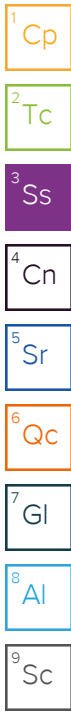
SAMPLE SUMMARY

MW-2 20FT L1861906-04

Collected by
Collected date/time
Received date/time

05/21/25 10:50 05/22/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2526207	1	05/30/25 09:43	05/30/25 18:43	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2524838	1	05/28/25 08:40	05/29/25 03:36	CMF	Mt. Juliet, TN



MW-3 11FT L1861906-05

Collected by
Collected date/time
Received date/time

05/21/25 10:00 05/22/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2524666	1	05/30/25 04:35	05/30/25 04:35	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2522806	1	05/26/25 01:46	06/03/25 11:22	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2526879	1	05/30/25 06:55	05/30/25 07:24	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2526881	1	05/30/25 06:57	05/30/25 15:06	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2524668	1	05/29/25 19:34	05/30/25 09:15	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2523164	5	05/30/25 08:21	06/02/25 02:06	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2524967	1	05/25/25 20:09	05/28/25 08:27	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2523761	1	05/25/25 20:09	05/26/25 13:24	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2526207	1	05/30/25 09:43	05/30/25 18:57	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2524838	1	05/28/25 08:40	05/29/25 03:54	CMF	Mt. Juliet, TN

MW-3 20FT L1861906-06

Collected by
Collected date/time
Received date/time

05/21/25 10:00 05/22/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2524663	1	06/01/25 01:31	06/01/25 01:31	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2522806	1	05/26/25 01:46	06/03/25 11:31	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2528213	1	06/01/25 10:42	06/01/25 10:58	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2528214	1	06/01/25 10:44	06/01/25 17:30	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2524671	1	05/29/25 19:29	05/30/25 13:32	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2523164	5	05/30/25 08:21	06/02/25 02:09	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2525126	1	05/25/25 20:09	05/28/25 19:57	JBE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2523761	1	05/25/25 20:09	05/26/25 13:43	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2526207	1	05/30/25 09:43	05/30/25 19:10	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2524838	1	05/28/25 08:40	05/29/25 05:30	TKW	Mt. Juliet, TN

MW-4 11FT L1861906-07

Collected by
Collected date/time
Received date/time

05/21/25 09:39 05/22/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2524727	1	05/30/25 12:15	05/30/25 12:15	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2522806	1	05/26/25 01:46	06/03/25 11:40	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2526890	1	05/30/25 07:13	05/30/25 10:17	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2526892	1	05/30/25 07:14	05/30/25 22:10	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2524747	1	05/29/25 19:42	05/30/25 10:40	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2523164	5	05/30/25 08:21	06/02/25 02:12	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2524967	1	05/25/25 20:09	05/28/25 09:12	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2523761	1	05/25/25 20:09	05/26/25 14:03	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2526207	1	05/30/25 09:43	05/30/25 19:49	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2524838	1	05/28/25 08:40	05/29/25 04:11	CMF	Mt. Juliet, TN

SAMPLE SUMMARY

MW-4 20FT L1861906-08

Collected by
Collected date/time
Received date/time

05/21/25 09:39
05/22/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2524663	1	06/01/25 01:34	06/01/25 01:34	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2522806	1	05/26/25 01:46	06/03/25 11:49	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2528213	1	06/01/25 10:42	06/01/25 10:58	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2528214	1	06/01/25 10:44	06/01/25 17:30	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2524671	1	05/29/25 19:29	05/30/25 13:33	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2523164	5	05/30/25 08:21	06/02/25 02:15	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2524975	1	05/25/25 20:09	05/28/25 06:16	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2523761	1	05/25/25 20:09	05/26/25 14:23	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2526207	1	05/30/25 09:43	05/30/25 20:02	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2524838	1	05/28/25 08:40	05/29/25 04:29	CMF	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

MW-5 11FT L1861906-09

Collected by
Collected date/time
Received date/time

05/21/25 09:33
05/22/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2524663	1	06/01/25 01:37	06/01/25 01:37	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2522806	1	05/26/25 01:46	06/03/25 11:58	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2528213	1	06/01/25 10:42	06/01/25 10:58	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2528214	1	06/01/25 10:44	06/01/25 17:30	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2524671	1	05/29/25 19:29	05/30/25 13:35	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2523164	5	05/30/25 08:21	06/02/25 02:18	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2524973	50	05/25/25 20:09	05/28/25 08:29	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2523761	4	05/25/25 20:09	05/26/25 18:43	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2528726	1	06/02/25 21:32	06/03/25 12:15	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2524838	1	05/28/25 08:40	05/29/25 04:46	CMF	Mt. Juliet, TN

7 Gl

8 Al

9 Sc

MW-5 20FT L1861906-10

Collected by
Collected date/time
Received date/time

05/21/25 09:33
05/22/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2524663	1	06/01/25 01:40	06/01/25 01:40	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2522806	1	05/26/25 01:46	06/03/25 12:16	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2528213	1	06/01/25 10:42	06/01/25 10:58	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2528214	1	06/01/25 10:44	06/01/25 17:30	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2524671	1	05/29/25 19:29	05/30/25 13:37	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2523164	5	05/30/25 08:21	06/02/25 02:22	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2524975	1	05/25/25 20:09	05/28/25 06:39	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2523761	1	05/25/25 20:09	05/26/25 14:43	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2526209	1	05/30/25 06:30	05/30/25 16:19	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2524838	1	05/28/25 08:40	05/29/25 05:04	CMF	Mt. Juliet, TN

CASE NARRATIVE

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



Chris Ward
Project Manager

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.783		1	05/30/2025 05:37	WG2524666

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	06/03/2025 10:28	WG2522806

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.40		1	05/30/2025 07:24	WG2526879

Sample Narrative:

L1861906-01 WG2526879: 8.4 at 21.4C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.324	mmhos/cm		0.0100	1	05/30/2025 15:06	WG2526881

Sample Narrative:

L1861906-01 WG2526881: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

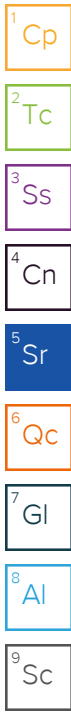
Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	05/30/2025 09:12	WG2524668

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.49		0.100	5	06/02/2025 01:50	WG2523164
Barium	65.5		10.0	5	06/02/2025 01:50	WG2523164
Cadmium	ND		0.100	5	06/02/2025 01:50	WG2523164
Copper	ND		10.0	5	06/02/2025 01:50	WG2523164
Lead	ND		10.0	5	06/02/2025 01:50	WG2523164
Nickel	ND		10.0	5	06/02/2025 01:50	WG2523164
Selenium	0.127		0.100	5	06/02/2025 01:50	WG2523164
Silver	ND		0.500	5	06/02/2025 01:50	WG2523164
Zinc	ND		50.0	5	06/02/2025 01:50	WG2523164

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		0.100	1	05/28/2025 06:57	WG2524967
(S) a, a, a-Trifluorotoluene(FID)	98.4		77.0-120		05/28/2025 06:57	WG2524967



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	05/26/2025 11:51	WG2523761
Ethylbenzene	ND		0.0100	1	05/26/2025 11:51	WG2523761
Toluene	ND		0.0100	1	05/26/2025 11:51	WG2523761
1,2,4-Trimethylbenzene	ND		0.00500	1	05/26/2025 11:51	WG2523761
1,3,5-Trimethylbenzene	ND		0.00500	1	05/26/2025 11:51	WG2523761
Xylenes, Total	ND		0.100	1	05/26/2025 11:51	WG2523761
(S) Toluene-d8	99.3		75.0-131		05/26/2025 11:51	WG2523761
(S) 4-Bromofluorobenzene	94.4		67.0-138		05/26/2025 11:51	WG2523761
(S) 1,2-Dichloroethane-d4	88.3		70.0-130		05/26/2025 11:51	WG2523761

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	05/30/2025 21:21	WG2526207
C28-C36 Motor Oil Range	ND		4.00	1	05/30/2025 21:21	WG2526207
(S) o-Terphenyl	57.4		18.0-148		05/30/2025 21:21	WG2526207

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	05/28/2025 18:30	WG2524836
Acenaphthene	ND		0.0330	1	05/28/2025 18:30	WG2524836
Acenaphthylene	ND		0.0330	1	05/28/2025 18:30	WG2524836
Benzo(a)anthracene	ND		0.00600	1	05/28/2025 18:30	WG2524836
Benzo(a)pyrene	ND		0.0330	1	05/28/2025 18:30	WG2524836
Benzo(b)fluoranthene	ND		0.0330	1	05/28/2025 18:30	WG2524836
Benzo(g,h,i)perylene	ND		0.0330	1	05/28/2025 18:30	WG2524836
Benzo(k)fluoranthene	ND		0.0330	1	05/28/2025 18:30	WG2524836
Chrysene	ND		0.0330	1	05/28/2025 18:30	WG2524836
Dibenz(a,h)anthracene	ND		0.0330	1	05/28/2025 18:30	WG2524836
Fluoranthene	ND		0.0330	1	05/28/2025 18:30	WG2524836
Fluorene	ND		0.0330	1	05/28/2025 18:30	WG2524836
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	05/28/2025 18:30	WG2524836
Naphthalene	ND		0.00300	1	05/28/2025 18:30	WG2524836
Phenanthrene	ND		0.0330	1	05/28/2025 18:30	WG2524836
Pyrene	ND		0.0330	1	05/28/2025 18:30	WG2524836
1-Methylnaphthalene	ND		0.00300	1	05/28/2025 18:30	WG2524836
2-Methylnaphthalene	ND		0.0120	1	05/28/2025 18:30	WG2524836
(S) p-Terphenyl-d14	110		23.0-120		05/28/2025 18:30	WG2524836
(S) Nitrobenzene-d5	84.5		14.0-149		05/28/2025 18:30	WG2524836
(S) 2-Fluorobiphenyl	96.9		34.0-125		05/28/2025 18:30	WG2524836

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.78		1	05/30/2025 05:39	WG2524666

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	06/03/2025 10:37	WG2522806

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.42		1	05/30/2025 07:24	WG2526879

Sample Narrative:

L1861906-02 WG2526879: 8.42 at 21.1C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.429	mmhos/cm		0.0100	1	05/30/2025 15:06	WG2526881

Sample Narrative:

L1861906-02 WG2526881: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

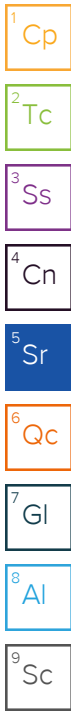
Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.296		0.200	1	05/30/2025 09:13	WG2524668

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	5.29		0.100	5	06/02/2025 01:53	WG2523164
Barium	69.5		10.0	5	06/02/2025 01:53	WG2523164
Cadmium	0.190		0.100	5	06/02/2025 01:53	WG2523164
Copper	13.1		10.0	5	06/02/2025 01:53	WG2523164
Lead	ND		10.0	5	06/02/2025 01:53	WG2523164
Nickel	13.8		10.0	5	06/02/2025 01:53	WG2523164
Selenium	0.202		0.100	5	06/02/2025 01:53	WG2523164
Silver	ND		0.500	5	06/02/2025 01:53	WG2523164
Zinc	ND		50.0	5	06/02/2025 01:53	WG2523164

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		0.100	1	05/28/2025 07:20	WG2524967
(S) a, a, a-Trifluorotoluene(FID)	98.6		77.0-120		05/28/2025 07:20	WG2524967



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	05/26/2025 12:11	WG2523761
Ethylbenzene	ND		0.0100	1	05/26/2025 12:11	WG2523761
Toluene	ND		0.0100	1	05/26/2025 12:11	WG2523761
1,2,4-Trimethylbenzene	ND		0.00500	1	05/26/2025 12:11	WG2523761
1,3,5-Trimethylbenzene	ND		0.00500	1	05/26/2025 12:11	WG2523761
Xylenes, Total	ND		0.100	1	05/26/2025 12:11	WG2523761
(S) Toluene-d8	100		75.0-131		05/26/2025 12:11	WG2523761
(S) 4-Bromofluorobenzene	93.6		67.0-138		05/26/2025 12:11	WG2523761
(S) 1,2-Dichloroethane-d4	89.1		70.0-130		05/26/2025 12:11	WG2523761

- 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 8015M

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	05/30/2025 20:28	WG2526207
C28-C36 Motor Oil Range	ND		4.00	1	05/30/2025 20:28	WG2526207
(S) o-Terphenyl	61.6		18.0-148		05/30/2025 20:28	WG2526207

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	05/28/2025 18:48	WG2524836
Acenaphthene	ND		0.0330	1	05/28/2025 18:48	WG2524836
Acenaphthylene	ND		0.0330	1	05/28/2025 18:48	WG2524836
Benzo(a)anthracene	ND		0.00600	1	05/28/2025 18:48	WG2524836
Benzo(a)pyrene	ND		0.0330	1	05/28/2025 18:48	WG2524836
Benzo(b)fluoranthene	ND		0.0330	1	05/28/2025 18:48	WG2524836
Benzo(g,h,i)perylene	ND		0.0330	1	05/28/2025 18:48	WG2524836
Benzo(k)fluoranthene	ND		0.0330	1	05/28/2025 18:48	WG2524836
Chrysene	ND		0.0330	1	05/28/2025 18:48	WG2524836
Dibenz(a,h)anthracene	ND		0.0330	1	05/28/2025 18:48	WG2524836
Fluoranthene	ND		0.0330	1	05/28/2025 18:48	WG2524836
Fluorene	ND		0.0330	1	05/28/2025 18:48	WG2524836
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	05/28/2025 18:48	WG2524836
Naphthalene	ND		0.00300	1	05/28/2025 18:48	WG2524836
Phenanthrene	ND		0.0330	1	05/28/2025 18:48	WG2524836
Pyrene	ND		0.0330	1	05/28/2025 18:48	WG2524836
1-Methylnaphthalene	ND		0.00300	1	05/28/2025 18:48	WG2524836
2-Methylnaphthalene	ND		0.0120	1	05/28/2025 18:48	WG2524836
(S) p-Terphenyl-d14	104		23.0-120		05/28/2025 18:48	WG2524836
(S) Nitrobenzene-d5	82.5		14.0-149		05/28/2025 18:48	WG2524836
(S) 2-Fluorobiphenyl	92.9		34.0-125		05/28/2025 18:48	WG2524836

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.405		1	05/30/2025 15:53	WG2524662

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.331		0.200	1	06/03/2025 10:46	WG2522806

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.65		1	05/30/2025 08:09	WG2526888

Sample Narrative:

L1861906-03 WG2526888: 8.65 at 21.7C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.170	mmhos/cm		0.0100	1	05/30/2025 18:00	WG2526889

Sample Narrative:

L1861906-03 WG2526889: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

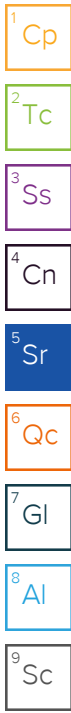
Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	05/30/2025 10:06	WG2524673

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Arsenic	3.06		0.100	5	06/04/2025 11:35	WG2523163
Barium	92.9		10.0	5	06/04/2025 11:35	WG2523163
Cadmium	0.133		0.100	5	06/04/2025 11:35	WG2523163
Copper	ND		10.0	5	06/04/2025 11:35	WG2523163
Lead	ND		10.0	5	06/04/2025 11:35	WG2523163
Nickel	ND		10.0	5	06/04/2025 11:35	WG2523163
Selenium	0.202		0.100	5	06/04/2025 11:35	WG2523163
Silver	ND		0.500	5	06/04/2025 11:35	WG2523163
Zinc	ND		50.0	5	06/04/2025 11:35	WG2523163

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	05/28/2025 07:42	WG2524967
(S) a, a, a-Trifluorotoluene(FID)	99.0		77.0-120		05/28/2025 07:42	WG2524967



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	05/26/2025 12:30	WG2523761
Ethylbenzene	ND		0.0100	1	05/26/2025 12:30	WG2523761
Toluene	ND		0.0100	1	05/26/2025 12:30	WG2523761
1,2,4-Trimethylbenzene	ND		0.00500	1	05/26/2025 12:30	WG2523761
1,3,5-Trimethylbenzene	ND		0.00500	1	05/26/2025 12:30	WG2523761
Xylenes, Total	ND		0.100	1	05/26/2025 12:30	WG2523761
(S) Toluene-d8	98.8		75.0-131		05/26/2025 12:30	WG2523761
(S) 4-Bromofluorobenzene	95.8		67.0-138		05/26/2025 12:30	WG2523761
(S) 1,2-Dichloroethane-d4	92.3		70.0-130		05/26/2025 12:30	WG2523761

- 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 8015M

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	05/30/2025 18:30	WG2526207
C28-C36 Motor Oil Range	ND		4.00	1	05/30/2025 18:30	WG2526207
(S) o-Terphenyl	60.6		18.0-148		05/30/2025 18:30	WG2526207

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	05/28/2025 19:05	WG2524836
Acenaphthene	ND		0.0330	1	05/28/2025 19:05	WG2524836
Acenaphthylene	ND		0.0330	1	05/28/2025 19:05	WG2524836
Benzo(a)anthracene	ND		0.00600	1	05/28/2025 19:05	WG2524836
Benzo(a)pyrene	ND		0.0330	1	05/28/2025 19:05	WG2524836
Benzo(b)fluoranthene	ND		0.0330	1	05/28/2025 19:05	WG2524836
Benzo(g,h,i)perylene	ND		0.0330	1	05/28/2025 19:05	WG2524836
Benzo(k)fluoranthene	ND		0.0330	1	05/28/2025 19:05	WG2524836
Chrysene	ND		0.0330	1	05/28/2025 19:05	WG2524836
Dibenz(a,h)anthracene	ND		0.0330	1	05/28/2025 19:05	WG2524836
Fluoranthene	ND		0.0330	1	05/28/2025 19:05	WG2524836
Fluorene	ND		0.0330	1	05/28/2025 19:05	WG2524836
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	05/28/2025 19:05	WG2524836
Naphthalene	ND		0.00300	1	05/28/2025 19:05	WG2524836
Phenanthrene	ND		0.0330	1	05/28/2025 19:05	WG2524836
Pyrene	ND		0.0330	1	05/28/2025 19:05	WG2524836
1-Methylnaphthalene	ND		0.00300	1	05/28/2025 19:05	WG2524836
2-Methylnaphthalene	ND		0.0120	1	05/28/2025 19:05	WG2524836
(S) p-Terphenyl-d14	97.9		23.0-120		05/28/2025 19:05	WG2524836
(S) Nitrobenzene-d5	82.1		14.0-149		05/28/2025 19:05	WG2524836
(S) 2-Fluorobiphenyl	91.3		34.0-125		05/28/2025 19:05	WG2524836

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.47		1	06/01/2025 01:29	WG2524663

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	06/03/2025 11:13	WG2522806

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.38		1	06/01/2025 10:58	WG2528213

Sample Narrative:

L1861906-04 WG2528213: 8.38 at 21.9C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.388	mmhos/cm		0.0100	1	06/01/2025 17:30	WG2528214

Sample Narrative:

L1861906-04 WG2528214: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

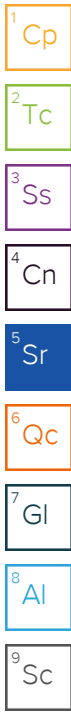
Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.259		0.200	1	05/30/2025 13:30	WG2524671

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.67		0.100	5	06/02/2025 01:56	WG2523164
Barium	34.6		10.0	5	06/02/2025 01:56	WG2523164
Cadmium	ND		0.100	5	06/02/2025 01:56	WG2523164
Copper	ND		10.0	5	06/02/2025 01:56	WG2523164
Lead	ND		10.0	5	06/02/2025 01:56	WG2523164
Nickel	ND		10.0	5	06/02/2025 01:56	WG2523164
Selenium	ND		0.100	5	06/02/2025 01:56	WG2523164
Silver	ND		0.500	5	06/02/2025 01:56	WG2523164
Zinc	ND		50.0	5	06/02/2025 01:56	WG2523164

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		0.100	1	05/28/2025 08:05	WG2524967
(S) a, a, a-Trifluorotoluene(FID)	97.5		77.0-120		05/28/2025 08:05	WG2524967



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	05/26/2025 12:50	WG2523761
Ethylbenzene	ND		0.0100	1	05/26/2025 12:50	WG2523761
Toluene	ND		0.0100	1	05/26/2025 12:50	WG2523761
1,2,4-Trimethylbenzene	ND		0.00500	1	05/26/2025 12:50	WG2523761
1,3,5-Trimethylbenzene	ND		0.00500	1	05/26/2025 12:50	WG2523761
Xylenes, Total	ND		0.100	1	05/26/2025 12:50	WG2523761
(S) Toluene-d8	99.8		75.0-131		05/26/2025 12:50	WG2523761
(S) 4-Bromofluorobenzene	99.4		67.0-138		05/26/2025 12:50	WG2523761
(S) 1,2-Dichloroethane-d4	89.2		70.0-130		05/26/2025 12:50	WG2523761

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

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	05/30/2025 18:43	WG2526207
C28-C36 Motor Oil Range	ND		4.00	1	05/30/2025 18:43	WG2526207
(S) o-Terphenyl	64.7		18.0-148		05/30/2025 18:43	WG2526207

6 Qc

7 Gl

8 Al

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	05/29/2025 03:36	WG2524838
Acenaphthene	ND		0.0330	1	05/29/2025 03:36	WG2524838
Acenaphthylene	ND		0.0330	1	05/29/2025 03:36	WG2524838
Benzo(a)anthracene	ND		0.00600	1	05/29/2025 03:36	WG2524838
Benzo(a)pyrene	ND		0.0330	1	05/29/2025 03:36	WG2524838
Benzo(b)fluoranthene	ND		0.0330	1	05/29/2025 03:36	WG2524838
Benzo(g,h,i)perylene	ND		0.0330	1	05/29/2025 03:36	WG2524838
Benzo(k)fluoranthene	ND		0.0330	1	05/29/2025 03:36	WG2524838
Chrysene	ND		0.0330	1	05/29/2025 03:36	WG2524838
Dibenz(a,h)anthracene	ND		0.0330	1	05/29/2025 03:36	WG2524838
Fluoranthene	ND	J4	0.0330	1	05/29/2025 03:36	WG2524838
Fluorene	ND		0.0330	1	05/29/2025 03:36	WG2524838
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	05/29/2025 03:36	WG2524838
Naphthalene	ND		0.00300	1	05/29/2025 03:36	WG2524838
Phenanthrene	ND		0.0330	1	05/29/2025 03:36	WG2524838
Pyrene	ND		0.0330	1	05/29/2025 03:36	WG2524838
1-Methylnaphthalene	ND		0.00300	1	05/29/2025 03:36	WG2524838
2-Methylnaphthalene	ND		0.0120	1	05/29/2025 03:36	WG2524838
(S) p-Terphenyl-d14	117		23.0-120		05/29/2025 03:36	WG2524838
(S) Nitrobenzene-d5	106		14.0-149		05/29/2025 03:36	WG2524838
(S) 2-Fluorobiphenyl	108		34.0-125		05/29/2025 03:36	WG2524838

9 Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.07		1	05/30/2025 04:35	WG2524666

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	06/03/2025 11:22	WG2522806

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.78		1	05/30/2025 07:24	WG2526879

Sample Narrative:

L1861906-05 WG2526879: 8.78 at 21.2C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.265	mmhos/cm		0.0100	1	05/30/2025 15:06	WG2526881

Sample Narrative:

L1861906-05 WG2526881: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

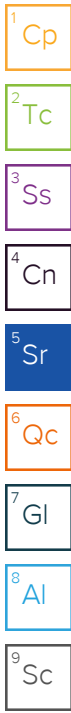
Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	05/30/2025 09:15	WG2524668

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.35		0.100	5	06/02/2025 02:06	WG2523164
Barium	85.8		10.0	5	06/02/2025 02:06	WG2523164
Cadmium	0.112		0.100	5	06/02/2025 02:06	WG2523164
Copper	ND		10.0	5	06/02/2025 02:06	WG2523164
Lead	ND		10.0	5	06/02/2025 02:06	WG2523164
Nickel	ND		10.0	5	06/02/2025 02:06	WG2523164
Selenium	0.160		0.100	5	06/02/2025 02:06	WG2523164
Silver	ND		0.500	5	06/02/2025 02:06	WG2523164
Zinc	ND		50.0	5	06/02/2025 02:06	WG2523164

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		0.100	1	05/28/2025 08:27	WG2524967
(S) a, a, a-Trifluorotoluene(FID)	99.4		77.0-120		05/28/2025 08:27	WG2524967



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	05/26/2025 13:24	WG2523761
Ethylbenzene	ND		0.0100	1	05/26/2025 13:24	WG2523761
Toluene	ND		0.0100	1	05/26/2025 13:24	WG2523761
1,2,4-Trimethylbenzene	ND		0.00500	1	05/26/2025 13:24	WG2523761
1,3,5-Trimethylbenzene	ND		0.00500	1	05/26/2025 13:24	WG2523761
Xylenes, Total	ND		0.100	1	05/26/2025 13:24	WG2523761
(S) Toluene-d8	99.2		75.0-131		05/26/2025 13:24	WG2523761
(S) 4-Bromofluorobenzene	97.1		67.0-138		05/26/2025 13:24	WG2523761
(S) 1,2-Dichloroethane-d4	92.1		70.0-130		05/26/2025 13:24	WG2523761

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 8015M

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	05/30/2025 18:57	WG2526207
C28-C36 Motor Oil Range	ND		4.00	1	05/30/2025 18:57	WG2526207
(S) o-Terphenyl	66.1		18.0-148		05/30/2025 18:57	WG2526207

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	05/29/2025 03:54	WG2524838
Acenaphthene	ND		0.0330	1	05/29/2025 03:54	WG2524838
Acenaphthylene	ND		0.0330	1	05/29/2025 03:54	WG2524838
Benzo(a)anthracene	ND		0.00600	1	05/29/2025 03:54	WG2524838
Benzo(a)pyrene	ND		0.0330	1	05/29/2025 03:54	WG2524838
Benzo(b)fluoranthene	ND		0.0330	1	05/29/2025 03:54	WG2524838
Benzo(g,h,i)perylene	ND		0.0330	1	05/29/2025 03:54	WG2524838
Benzo(k)fluoranthene	ND		0.0330	1	05/29/2025 03:54	WG2524838
Chrysene	ND		0.0330	1	05/29/2025 03:54	WG2524838
Dibenz(a,h)anthracene	ND		0.0330	1	05/29/2025 03:54	WG2524838
Fluoranthene	ND	J4	0.0330	1	05/29/2025 03:54	WG2524838
Fluorene	ND		0.0330	1	05/29/2025 03:54	WG2524838
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	05/29/2025 03:54	WG2524838
Naphthalene	ND		0.00300	1	05/29/2025 03:54	WG2524838
Phenanthrene	ND		0.0330	1	05/29/2025 03:54	WG2524838
Pyrene	ND		0.0330	1	05/29/2025 03:54	WG2524838
1-Methylnaphthalene	ND		0.00300	1	05/29/2025 03:54	WG2524838
2-Methylnaphthalene	ND		0.0120	1	05/29/2025 03:54	WG2524838
(S) p-Terphenyl-d14	120		23.0-120		05/29/2025 03:54	WG2524838
(S) Nitrobenzene-d5	105		14.0-149		05/29/2025 03:54	WG2524838
(S) 2-Fluorobiphenyl	109		34.0-125		05/29/2025 03:54	WG2524838

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.47		1	06/01/2025 01:31	WG2524663

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	06/03/2025 11:31	WG2522806

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.40		1	06/01/2025 10:58	WG2528213

Sample Narrative:

L1861906-06 WG2528213: 8.4 at 21.8C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.397	mmhos/cm		0.0100	1	06/01/2025 17:30	WG2528214

Sample Narrative:

L1861906-06 WG2528214: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

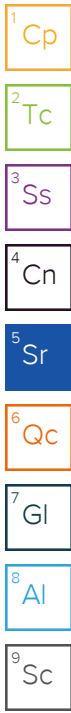
Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.226		0.200	1	05/30/2025 13:32	WG2524671

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.05		0.100	5	06/02/2025 02:09	WG2523164
Barium	112		10.0	5	06/02/2025 02:09	WG2523164
Cadmium	0.111		0.100	5	06/02/2025 02:09	WG2523164
Copper	11.3		10.0	5	06/02/2025 02:09	WG2523164
Lead	ND		10.0	5	06/02/2025 02:09	WG2523164
Nickel	11.7		10.0	5	06/02/2025 02:09	WG2523164
Selenium	0.178		0.100	5	06/02/2025 02:09	WG2523164
Silver	ND		0.500	5	06/02/2025 02:09	WG2523164
Zinc	ND		50.0	5	06/02/2025 02:09	WG2523164

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		0.100	1	05/28/2025 19:57	WG2525126
(S) a, a, a-Trifluorotoluene(FID)	101		77.0-120		05/28/2025 19:57	WG2525126



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	05/26/2025 13:43	WG2523761
Ethylbenzene	ND		0.0100	1	05/26/2025 13:43	WG2523761
Toluene	ND		0.0100	1	05/26/2025 13:43	WG2523761
1,2,4-Trimethylbenzene	ND		0.00500	1	05/26/2025 13:43	WG2523761
1,3,5-Trimethylbenzene	ND		0.00500	1	05/26/2025 13:43	WG2523761
Xylenes, Total	ND		0.100	1	05/26/2025 13:43	WG2523761
(S) Toluene-d8	98.6		75.0-131		05/26/2025 13:43	WG2523761
(S) 4-Bromofluorobenzene	97.2		67.0-138		05/26/2025 13:43	WG2523761
(S) 1,2-Dichloroethane-d4	95.6		70.0-130		05/26/2025 13:43	WG2523761

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	05/30/2025 19:10	WG2526207
C28-C36 Motor Oil Range	ND		4.00	1	05/30/2025 19:10	WG2526207
(S) o-Terphenyl	58.5		18.0-148		05/30/2025 19:10	WG2526207

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	05/29/2025 05:30	WG2524838
Acenaphthene	ND		0.0330	1	05/29/2025 05:30	WG2524838
Acenaphthylene	ND		0.0330	1	05/29/2025 05:30	WG2524838
Benzo(a)anthracene	ND		0.00600	1	05/29/2025 05:30	WG2524838
Benzo(a)pyrene	ND		0.0330	1	05/29/2025 05:30	WG2524838
Benzo(b)fluoranthene	ND		0.0330	1	05/29/2025 05:30	WG2524838
Benzo(g,h,i)perylene	ND		0.0330	1	05/29/2025 05:30	WG2524838
Benzo(k)fluoranthene	ND		0.0330	1	05/29/2025 05:30	WG2524838
Chrysene	ND		0.0330	1	05/29/2025 05:30	WG2524838
Dibenz(a,h)anthracene	ND		0.0330	1	05/29/2025 05:30	WG2524838
Fluoranthene	ND	J4	0.0330	1	05/29/2025 05:30	WG2524838
Fluorene	ND		0.0330	1	05/29/2025 05:30	WG2524838
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	05/29/2025 05:30	WG2524838
Naphthalene	ND		0.00300	1	05/29/2025 05:30	WG2524838
Phenanthrene	ND		0.0330	1	05/29/2025 05:30	WG2524838
Pyrene	ND		0.0330	1	05/29/2025 05:30	WG2524838
1-Methylnaphthalene	ND		0.00300	1	05/29/2025 05:30	WG2524838
2-Methylnaphthalene	ND		0.0120	1	05/29/2025 05:30	WG2524838
(S) p-Terphenyl-d14	91.6		23.0-120		05/29/2025 05:30	WG2524838
(S) Nitrobenzene-d5	97.7		14.0-149		05/29/2025 05:30	WG2524838
(S) 2-Fluorobiphenyl	102		34.0-125		05/29/2025 05:30	WG2524838

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.287		1	05/30/2025 12:15	WG2524727

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.307		0.200	1	06/03/2025 11:40	WG2522806

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.44		1	05/30/2025 10:17	WG2526890

Sample Narrative:

L1861906-07 WG2526890: 8.44 at 22C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.286	mmhos/cm		0.0100	1	05/30/2025 22:10	WG2526892

Sample Narrative:

L1861906-07 WG2526892: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

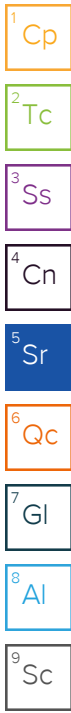
Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	05/30/2025 10:40	WG2524747

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.05		0.100	5	06/02/2025 02:12	WG2523164
Barium	152		10.0	5	06/02/2025 02:12	WG2523164
Cadmium	0.138		0.100	5	06/02/2025 02:12	WG2523164
Copper	10.3		10.0	5	06/02/2025 02:12	WG2523164
Lead	ND		10.0	5	06/02/2025 02:12	WG2523164
Nickel	11.7		10.0	5	06/02/2025 02:12	WG2523164
Selenium	0.167		0.100	5	06/02/2025 02:12	WG2523164
Silver	ND		0.500	5	06/02/2025 02:12	WG2523164
Zinc	ND		50.0	5	06/02/2025 02:12	WG2523164

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		0.100	1	05/28/2025 09:12	WG2524967
(S) a, a, a-Trifluorotoluene(FID)	98.6		77.0-120		05/28/2025 09:12	WG2524967



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	05/26/2025 14:03	WG2523761
Ethylbenzene	ND		0.0100	1	05/26/2025 14:03	WG2523761
Toluene	ND		0.0100	1	05/26/2025 14:03	WG2523761
1,2,4-Trimethylbenzene	ND		0.00500	1	05/26/2025 14:03	WG2523761
1,3,5-Trimethylbenzene	ND		0.00500	1	05/26/2025 14:03	WG2523761
Xylenes, Total	ND		0.100	1	05/26/2025 14:03	WG2523761
(S) Toluene-d8	101		75.0-131		05/26/2025 14:03	WG2523761
(S) 4-Bromofluorobenzene	97.3		67.0-138		05/26/2025 14:03	WG2523761
(S) 1,2-Dichloroethane-d4	93.4		70.0-130		05/26/2025 14:03	WG2523761

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

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	05/30/2025 19:49	WG2526207
C28-C36 Motor Oil Range	ND		4.00	1	05/30/2025 19:49	WG2526207
(S) o-Terphenyl	62.5		18.0-148		05/30/2025 19:49	WG2526207

6 Qc

7 Gl

8 Al

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	05/29/2025 04:11	WG2524838
Acenaphthene	ND		0.0330	1	05/29/2025 04:11	WG2524838
Acenaphthylene	ND		0.0330	1	05/29/2025 04:11	WG2524838
Benzo(a)anthracene	ND		0.00600	1	05/29/2025 04:11	WG2524838
Benzo(a)pyrene	ND		0.0330	1	05/29/2025 04:11	WG2524838
Benzo(b)fluoranthene	ND		0.0330	1	05/29/2025 04:11	WG2524838
Benzo(g,h,i)perylene	ND		0.0330	1	05/29/2025 04:11	WG2524838
Benzo(k)fluoranthene	ND		0.0330	1	05/29/2025 04:11	WG2524838
Chrysene	ND		0.0330	1	05/29/2025 04:11	WG2524838
Dibenz(a,h)anthracene	ND		0.0330	1	05/29/2025 04:11	WG2524838
Fluoranthene	ND	J4	0.0330	1	05/29/2025 04:11	WG2524838
Fluorene	ND		0.0330	1	05/29/2025 04:11	WG2524838
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	05/29/2025 04:11	WG2524838
Naphthalene	ND		0.00300	1	05/29/2025 04:11	WG2524838
Phenanthrene	ND		0.0330	1	05/29/2025 04:11	WG2524838
Pyrene	ND		0.0330	1	05/29/2025 04:11	WG2524838
1-Methylnaphthalene	ND		0.00300	1	05/29/2025 04:11	WG2524838
2-Methylnaphthalene	ND		0.0120	1	05/29/2025 04:11	WG2524838
(S) p-Terphenyl-d14	101		23.0-120		05/29/2025 04:11	WG2524838
(S) Nitrobenzene-d5	93.6		14.0-149		05/29/2025 04:11	WG2524838
(S) 2-Fluorobiphenyl	92.9		34.0-125		05/29/2025 04:11	WG2524838

9 Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.51		1	06/01/2025 01:34	WG2524663

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.204		0.200	1	06/03/2025 11:49	WG2522806

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.42		1	06/01/2025 10:58	WG2528213

Sample Narrative:

L1861906-08 WG2528213: 8.42 at 22C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.374	mmhos/cm		0.0100	1	06/01/2025 17:30	WG2528214

Sample Narrative:

L1861906-08 WG2528214: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

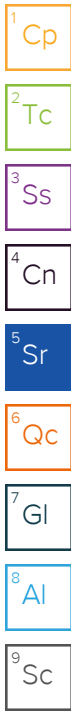
Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.208		0.200	1	05/30/2025 13:33	WG2524671

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Arsenic	5.19		0.100	5	06/02/2025 02:15	WG2523164
Barium	118		10.0	5	06/02/2025 02:15	WG2523164
Cadmium	0.204		0.100	5	06/02/2025 02:15	WG2523164
Copper	13.7		10.0	5	06/02/2025 02:15	WG2523164
Lead	10.7		10.0	5	06/02/2025 02:15	WG2523164
Nickel	15.4		10.0	5	06/02/2025 02:15	WG2523164
Selenium	0.256		0.100	5	06/02/2025 02:15	WG2523164
Silver	ND		0.500	5	06/02/2025 02:15	WG2523164
Zinc	50.5		50.0	5	06/02/2025 02:15	WG2523164

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	05/28/2025 06:16	WG2524975
(S) a, a, a-Trifluorotoluene(FID)	98.5		77.0-120		05/28/2025 06:16	WG2524975



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	05/26/2025 14:23	WG2523761
Ethylbenzene	ND		0.0100	1	05/26/2025 14:23	WG2523761
Toluene	ND		0.0100	1	05/26/2025 14:23	WG2523761
1,2,4-Trimethylbenzene	ND		0.00500	1	05/26/2025 14:23	WG2523761
1,3,5-Trimethylbenzene	ND		0.00500	1	05/26/2025 14:23	WG2523761
Xylenes, Total	ND		0.100	1	05/26/2025 14:23	WG2523761
(S) Toluene-d8	99.1		75.0-131		05/26/2025 14:23	WG2523761
(S) 4-Bromofluorobenzene	94.9		67.0-138		05/26/2025 14:23	WG2523761
(S) 1,2-Dichloroethane-d4	93.1		70.0-130		05/26/2025 14:23	WG2523761

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	05/30/2025 20:02	WG2526207
C28-C36 Motor Oil Range	ND		4.00	1	05/30/2025 20:02	WG2526207
(S) o-Terphenyl	58.7		18.0-148		05/30/2025 20:02	WG2526207

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	05/29/2025 04:29	WG2524838
Acenaphthene	ND		0.0330	1	05/29/2025 04:29	WG2524838
Acenaphthylene	ND		0.0330	1	05/29/2025 04:29	WG2524838
Benzo(a)anthracene	ND		0.00600	1	05/29/2025 04:29	WG2524838
Benzo(a)pyrene	ND		0.0330	1	05/29/2025 04:29	WG2524838
Benzo(b)fluoranthene	ND		0.0330	1	05/29/2025 04:29	WG2524838
Benzo(g,h,i)perylene	ND		0.0330	1	05/29/2025 04:29	WG2524838
Benzo(k)fluoranthene	ND		0.0330	1	05/29/2025 04:29	WG2524838
Chrysene	ND		0.0330	1	05/29/2025 04:29	WG2524838
Dibenz(a,h)anthracene	ND		0.0330	1	05/29/2025 04:29	WG2524838
Fluoranthene	ND	J4	0.0330	1	05/29/2025 04:29	WG2524838
Fluorene	ND		0.0330	1	05/29/2025 04:29	WG2524838
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	05/29/2025 04:29	WG2524838
Naphthalene	ND		0.00300	1	05/29/2025 04:29	WG2524838
Phenanthrene	ND		0.0330	1	05/29/2025 04:29	WG2524838
Pyrene	ND		0.0330	1	05/29/2025 04:29	WG2524838
1-Methylnaphthalene	ND		0.00300	1	05/29/2025 04:29	WG2524838
2-Methylnaphthalene	ND		0.0120	1	05/29/2025 04:29	WG2524838
(S) p-Terphenyl-d14	122	J1	23.0-120		05/29/2025 04:29	WG2524838
(S) Nitrobenzene-d5	104		14.0-149		05/29/2025 04:29	WG2524838
(S) 2-Fluorobiphenyl	112		34.0-125		05/29/2025 04:29	WG2524838

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	5.78		1	06/01/2025 01:37	WG2524663

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.201	P1	0.200	1	06/03/2025 11:58	WG2522806

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.62		1	06/01/2025 10:58	WG2528213

Sample Narrative:

L1861906-09 WG2528213: 8.62 at 21.8C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.715	mmhos/cm		0.0100	1	06/01/2025 17:30	WG2528214

Sample Narrative:

L1861906-09 WG2528214: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

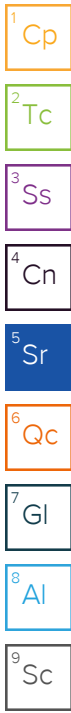
Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.519		0.200	1	05/30/2025 13:35	WG2524671

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.53		0.100	5	06/02/2025 02:18	WG2523164
Barium	124		10.0	5	06/02/2025 02:18	WG2523164
Cadmium	0.147		0.100	5	06/02/2025 02:18	WG2523164
Copper	ND		10.0	5	06/02/2025 02:18	WG2523164
Lead	ND		10.0	5	06/02/2025 02:18	WG2523164
Nickel	ND		10.0	5	06/02/2025 02:18	WG2523164
Selenium	0.214		0.100	5	06/02/2025 02:18	WG2523164
Silver	ND		0.500	5	06/02/2025 02:18	WG2523164
Zinc	ND		50.0	5	06/02/2025 02:18	WG2523164

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	61.3		5.00	50	05/28/2025 08:29	WG2524973
(S) a, a, a-Trifluorotoluene(FID)	100		77.0-120		05/28/2025 08:29	WG2524973



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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00400	4	05/26/2025 18:43	WG2523761
Ethylbenzene	ND		0.0400	4	05/26/2025 18:43	WG2523761
Toluene	ND		0.0400	4	05/26/2025 18:43	WG2523761
1,2,4-Trimethylbenzene	0.723		0.0200	4	05/26/2025 18:43	WG2523761
1,3,5-Trimethylbenzene	ND		0.0200	4	05/26/2025 18:43	WG2523761
Xylenes, Total	ND		0.400	4	05/26/2025 18:43	WG2523761
(S) Toluene-d8	98.7		75.0-131		05/26/2025 18:43	WG2523761
(S) 4-Bromofluorobenzene	111		67.0-138		05/26/2025 18:43	WG2523761
(S) 1,2-Dichloroethane-d4	102		70.0-130		05/26/2025 18:43	WG2523761

Sample Narrative:

L1861906-09 WG2523761: Non-target compounds too high to run at a lower dilution.

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	46.7		4.00	1	06/03/2025 12:15	WG2528726
C28-C36 Motor Oil Range	24.8		4.00	1	06/03/2025 12:15	WG2528726
(S) o-Terphenyl	58.3		18.0-148		06/03/2025 12:15	WG2528726

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	05/29/2025 04:46	WG2524838
Acenaphthene	ND		0.0330	1	05/29/2025 04:46	WG2524838
Acenaphthylene	ND		0.0330	1	05/29/2025 04:46	WG2524838
Benzo(a)anthracene	ND		0.00600	1	05/29/2025 04:46	WG2524838
Benzo(a)pyrene	ND		0.0330	1	05/29/2025 04:46	WG2524838
Benzo(b)fluoranthene	ND		0.0330	1	05/29/2025 04:46	WG2524838
Benzo(g,h,i)perylene	ND		0.0330	1	05/29/2025 04:46	WG2524838
Benzo(k)fluoranthene	ND		0.0330	1	05/29/2025 04:46	WG2524838
Chrysene	ND		0.0330	1	05/29/2025 04:46	WG2524838
Dibenz(a,h)anthracene	ND		0.0330	1	05/29/2025 04:46	WG2524838
Fluoranthene	ND	J4	0.0330	1	05/29/2025 04:46	WG2524838
Fluorene	ND		0.0330	1	05/29/2025 04:46	WG2524838
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	05/29/2025 04:46	WG2524838
Naphthalene	ND		0.00300	1	05/29/2025 04:46	WG2524838
Phenanthrene	ND		0.0330	1	05/29/2025 04:46	WG2524838
Pyrene	ND		0.0330	1	05/29/2025 04:46	WG2524838
1-Methylnaphthalene	0.0519		0.00300	1	05/29/2025 04:46	WG2524838
2-Methylnaphthalene	0.103		0.0120	1	05/29/2025 04:46	WG2524838
(S) p-Terphenyl-d14	109		23.0-120		05/29/2025 04:46	WG2524838
(S) Nitrobenzene-d5	299	J1	14.0-149		05/29/2025 04:46	WG2524838
(S) 2-Fluorobiphenyl	94.3		34.0-125		05/29/2025 04:46	WG2524838

Sample Narrative:

L1861906-09 WG2524838: Surrogate failure due to matrix interference

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.53		1	06/01/2025 01:40	WG2524663

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.239		0.200	1	06/03/2025 12:16	WG2522806

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.34		1	06/01/2025 10:58	WG2528213

Sample Narrative:

L1861906-10 WG2528213: 8.34 at 22C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.371	mmhos/cm		0.0100	1	06/01/2025 17:30	WG2528214

Sample Narrative:

L1861906-10 WG2528214: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

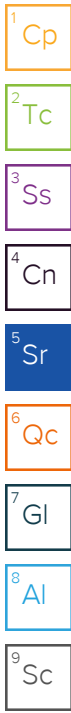
Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.285		0.200	1	05/30/2025 13:37	WG2524671

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.05		0.100	5	06/02/2025 02:22	WG2523164
Barium	59.3		10.0	5	06/02/2025 02:22	WG2523164
Cadmium	0.127		0.100	5	06/02/2025 02:22	WG2523164
Copper	10.8		10.0	5	06/02/2025 02:22	WG2523164
Lead	ND		10.0	5	06/02/2025 02:22	WG2523164
Nickel	11.7		10.0	5	06/02/2025 02:22	WG2523164
Selenium	0.162		0.100	5	06/02/2025 02:22	WG2523164
Silver	ND		0.500	5	06/02/2025 02:22	WG2523164
Zinc	ND		50.0	5	06/02/2025 02:22	WG2523164

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		0.100	1	05/28/2025 06:39	WG2524975
(S) a, a, a-Trifluorotoluene(FID)	99.0		77.0-120		05/28/2025 06:39	WG2524975



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	05/26/2025 14:43	WG2523761
Ethylbenzene	ND		0.0100	1	05/26/2025 14:43	WG2523761
Toluene	ND		0.0100	1	05/26/2025 14:43	WG2523761
1,2,4-Trimethylbenzene	ND		0.00500	1	05/26/2025 14:43	WG2523761
1,3,5-Trimethylbenzene	ND		0.00500	1	05/26/2025 14:43	WG2523761
Xylenes, Total	ND		0.100	1	05/26/2025 14:43	WG2523761
(S) Toluene-d8	97.6		75.0-131		05/26/2025 14:43	WG2523761
(S) 4-Bromofluorobenzene	96.3		67.0-138		05/26/2025 14:43	WG2523761
(S) 1,2-Dichloroethane-d4	97.2		70.0-130		05/26/2025 14:43	WG2523761

- 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 8015M

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	05/30/2025 16:19	WG2526209
C28-C36 Motor Oil Range	ND		4.00	1	05/30/2025 16:19	WG2526209
(S) o-Terphenyl	62.2		18.0-148		05/30/2025 16:19	WG2526209

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	05/29/2025 05:04	WG2524838
Acenaphthene	ND		0.0330	1	05/29/2025 05:04	WG2524838
Acenaphthylene	ND		0.0330	1	05/29/2025 05:04	WG2524838
Benzo(a)anthracene	ND		0.00600	1	05/29/2025 05:04	WG2524838
Benzo(a)pyrene	ND		0.0330	1	05/29/2025 05:04	WG2524838
Benzo(b)fluoranthene	ND		0.0330	1	05/29/2025 05:04	WG2524838
Benzo(g,h,i)perylene	ND		0.0330	1	05/29/2025 05:04	WG2524838
Benzo(k)fluoranthene	ND		0.0330	1	05/29/2025 05:04	WG2524838
Chrysene	ND		0.0330	1	05/29/2025 05:04	WG2524838
Dibenz(a,h)anthracene	ND		0.0330	1	05/29/2025 05:04	WG2524838
Fluoranthene	ND	J4	0.0330	1	05/29/2025 05:04	WG2524838
Fluorene	ND		0.0330	1	05/29/2025 05:04	WG2524838
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	05/29/2025 05:04	WG2524838
Naphthalene	ND		0.00300	1	05/29/2025 05:04	WG2524838
Phenanthrene	ND		0.0330	1	05/29/2025 05:04	WG2524838
Pyrene	ND		0.0330	1	05/29/2025 05:04	WG2524838
1-Methylnaphthalene	ND		0.00300	1	05/29/2025 05:04	WG2524838
2-Methylnaphthalene	ND		0.0120	1	05/29/2025 05:04	WG2524838
(S) p-Terphenyl-d14	114		23.0-120		05/29/2025 05:04	WG2524838
(S) Nitrobenzene-d5	97.3		14.0-149		05/29/2025 05:04	WG2524838
(S) 2-Fluorobiphenyl	104		34.0-125		05/29/2025 05:04	WG2524838

Method Blank (MB)

(MB) R4224688-1 06/03/25 07:33

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Hexavalent Chromium	U		0.200	0.200

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1861894-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1861894-01 06/03/25 07:50 • (DUP) R4224688-3 06/03/25 07:59

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	0.246	1	200	P1	20

L1861906-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1861906-09 06/03/25 11:58 • (DUP) R4224688-8 06/03/25 12:07

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	0.201	ND	1	200	P1	20

Laboratory Control Sample (LCS)

(LCS) R4224688-2 06/03/25 07:41

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Hexavalent Chromium	10.0	10.1	101	80.0-120	

L1861902-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1861902-12 06/03/25 09:34 • (MS) R4224688-5 06/03/25 09:52 • (MSD) R4224688-6 06/03/25 10:01

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Hexavalent Chromium	20.0	ND	18.2	18.9	90.9	94.7	1	75.0-125			4.13	20

L1861902-12 Original Sample (OS) • Matrix Spike (MS)

(OS) L1861902-12 06/03/25 09:34 • (MS) R4224688-7 06/03/25 10:10

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Hexavalent Chromium	633	ND	568	89.8	50	75.0-125	

L1861882-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1861882-01 05/30/25 07:24 • (DUP) R4222815-2 05/30/25 07:24

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
su	su			%		%
pH	7.19	7.18	1	0.139		1

Sample Narrative:

OS: 7.19 at 22.3C
 DUP: 7.18 at 22.3C

L1861906-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1861906-05 05/30/25 07:24 • (DUP) R4222815-3 05/30/25 07:24

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
su	su			%		%
pH	8.78	8.81	1	0.341		1

Sample Narrative:

OS: 8.78 at 21.2C
 DUP: 8.81 at 21.6C

Laboratory Control Sample (LCS)

(LCS) R4222815-1 05/30/25 07:24

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: 10.02 at 22.4C



L1861882-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1861882-02 05/30/25 08:09 • (DUP) R4222916-2 05/30/25 08:09

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.24	8.24	1	0.000		1

Sample Narrative:

OS: 8.24 at 21.8C
DUP: 8.24 at 21.7C

L1862951-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1862951-01 05/30/25 08:09 • (DUP) R4222916-3 05/30/25 08:09

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.49	8.48	1	0.118		1

Sample Narrative:

OS: 8.49 at 21.4C
DUP: 8.48 at 21.4C

Laboratory Control Sample (LCS)

(LCS) R4222916-1 05/30/25 08:09

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	su	su	%	%	
pH	10.0	9.98	99.8	99.0-101	

Sample Narrative:

LCS: 9.98 at 21.3C

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1861906-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1861906-07 05/30/25 10:17 • (DUP) R4223098-2 05/30/25 10:17

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
su	su			%		%
pH	8.44	8.48	1	0.473		1

Sample Narrative:

OS: 8.44 at 22C
DUP: 8.48 at 21.8C

L1862865-17 Original Sample (OS) • Duplicate (DUP)

(OS) L1862865-17 05/30/25 10:17 • (DUP) R4223098-3 05/30/25 10:17

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
su	su			%		%
pH	8.67	8.68	1	0.115		1

Sample Narrative:

OS: 8.67 at 22.2C
DUP: 8.68 at 22.1C

Laboratory Control Sample (LCS)

(LCS) R4223098-1 05/30/25 10:17

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
su	su		%	%	
pH	10.0	9.95	99.5	99.0-101	

Sample Narrative:

LCS: 9.95 at 21.2C

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1861882-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1861882-08 06/01/25 10:58 • (DUP) R4223750-2 06/01/25 10:58

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
su	su	su		%		%
pH	5.74	5.73	1	0.174		1

Sample Narrative:

OS: 5.74 at 22.1C
 DUP: 5.73 at 22.3C

L1861933-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1861933-07 06/01/25 10:58 • (DUP) R4223750-3 06/01/25 10:58

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
su	su	su		%		%
pH	7.66	7.69	1	0.391		1

Sample Narrative:

OS: 7.66 at 22.3C
 DUP: 7.69 at 22.5C

Laboratory Control Sample (LCS)

(LCS) R4223750-1 06/01/25 10:58

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

Sample Narrative:

LCS: 10.02 at 21.7C

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4223132-1 05/30/25 15:06

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Specific Conductance	U		0.0100	0.0100

Sample Narrative:

BLANK: at 25C

L1861882-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1861882-04 05/30/25 15:06 • (DUP) R4223132-3 05/30/25 15:06

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Specific Conductance	ND	0.240	1	0.623		20

Sample Narrative:

OS: at 25C

DUP: at 25C

L1861906-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1861906-02 05/30/25 15:06 • (DUP) R4223132-4 05/30/25 15:06

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Specific Conductance	ND	0.420	1	2.12		20

Sample Narrative:

OS: at 25C

DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4223132-2 05/30/25 15:06

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Specific Conductance	0.581	0.580	99.8	90.0-110	

Sample Narrative:

LCS: at 25C

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4223244-1 05/30/25 18:00

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Specific Conductance	U		0.0100	0.0100

Sample Narrative:

BLANK: at 25C

L1861882-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1861882-03 05/30/25 18:00 • (DUP) R4223244-3 05/30/25 18:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Specific Conductance	ND	0.485	1	0.413		20

Sample Narrative:

OS: at 25C

DUP: at 25C

L1862939-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1862939-01 05/30/25 18:00 • (DUP) R4223244-4 05/30/25 18:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Specific Conductance	ND	0.354	1	0.000		20

Sample Narrative:

OS: at 25C

DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4223244-2 05/30/25 18:00

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Specific Conductance	0.581	0.546	94.0	90.0-110	

Sample Narrative:

LCS: at 25C

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4223288-1 05/30/25 22:10

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Specific Conductance	U		0.0100	0.0100

Sample Narrative:

BLANK: at 25C

L1861933-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1861933-01 05/30/25 22:10 • (DUP) R4223288-3 05/30/25 22:10

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Specific Conductance	ND	0.292	1	0.342		20

Sample Narrative:

OS: at 25C
DUP: at 25C

L1862495-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1862495-01 05/30/25 22:10 • (DUP) R4223288-4 05/30/25 22:10

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Specific Conductance	ND	0.0615	1	0.162		20

Sample Narrative:

OS: at 25C
DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4223288-2 05/30/25 22:10

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Specific Conductance	0.581	0.577	99.3	90.0-110	

Sample Narrative:

LCS: at 25C

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4224108-1 06/01/25 17:30

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Specific Conductance	U		0.0100	0.0100

Sample Narrative:

BLANK: at 25C

L1861882-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1861882-16 06/01/25 17:30 • (DUP) R4224108-3 06/01/25 17:30

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Specific Conductance	ND	0.116	1	0.000		20

Sample Narrative:

OS: at 25C
DUP: at 25C

L1861933-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1861933-06 06/01/25 17:30 • (DUP) R4224108-4 06/01/25 17:30

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Specific Conductance	ND	1.03	1	0.195		20

Sample Narrative:

OS: at 25C
DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4224108-2 06/01/25 17:30

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Specific Conductance	0.581	0.591	102	90.0-110	

Sample Narrative:

LCS: at 25C

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4223065-1 05/30/25 08:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Hot Water Sol. Boron	U		0.0167	0.200

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

(LCS) R4223065-2 05/30/25 08:34 • (LCSD) R4223065-3 05/30/25 08:36

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	1.09	1.09	109	109	80.0-120			0.241	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4223071-1 05/30/25 13:05

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Hot Water Sol. Boron	U		0.0167	0.200

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

(LCS) R4223071-2 05/30/25 13:07 • (LCSD) R4223071-3 05/30/25 13:09

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	1.06	1.07	106	107	80.0-120			0.437	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4223103-1 05/30/25 09:43

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Hot Water Sol. Boron	U		0.0167	0.200

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

(LCS) R4223103-2 05/30/25 09:46 • (LCSD) R4223103-3 05/30/25 09:48

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	1.10	1.09	110	109	80.0-120			0.762	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4223067-1 05/30/25 10:35

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Hot Water Sol. Boron	U		0.0167	0.200

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

(LCS) R4223067-2 05/30/25 10:36 • (LCSD) R4223067-3 05/30/25 10:38

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	1.05	1.07	105	107	80.0-120			1.44	20

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

Method Blank (MB)

(MB) R4225310-1 06/04/25 11:28

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

Laboratory Control Sample (LCS)

(LCS) R4225310-2 06/04/25 11:31

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	92.0	92.0	80.0-120	
Cadmium	100	108	108	80.0-120	
Copper	100	97.6	97.6	80.0-120	
Lead	100	99.8	99.8	80.0-120	
Nickel	100	108	108	80.0-120	
Selenium	100	95.3	95.3	80.0-120	
Silver	20.0	20.4	102	80.0-120	
Zinc	100	99.6	99.6	80.0-120	

⁷Gl

⁸Al

⁹Sc

L1861906-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1861906-03 06/04/25 11:35 • (MS) R4225310-5 06/04/25 11:44 • (MSD) R4225310-6 06/04/25 11:47

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	3.06	103	105	100	102	5	75.0-125			1.63	20
Barium	100	92.9	202	240	109	147	5	75.0-125	J5		17.2	20
Cadmium	100	0.133	106	110	106	109	5	75.0-125			3.41	20
Copper	100	ND	99.6	108	91.7	100	5	75.0-125			8.13	20
Lead	100	ND	105	110	98.5	104	5	75.0-125			4.80	20
Nickel	100	ND	112	118	104	109	5	75.0-125			4.84	20
Selenium	100	0.202	96.2	101	96.0	100	5	75.0-125			4.42	20
Silver	20.0	ND	20.2	21.2	101	106	5	75.0-125			4.76	20
Zinc	100	ND	133	140	103	111	5	75.0-125	J5	J5	5.53	20

Method Blank (MB)

(MB) R4223857-1 06/02/25 00:47

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

Laboratory Control Sample (LCS)

(LCS) R4223857-2 06/02/25 00:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	91.5	91.5	80.0-120	
Barium	100	93.1	93.1	80.0-120	
Cadmium	100	101	101	80.0-120	
Copper	100	103	103	80.0-120	
Lead	100	98.2	98.2	80.0-120	
Nickel	100	97.0	97.0	80.0-120	
Selenium	100	88.7	88.7	80.0-120	
Silver	20.0	19.4	97.2	80.0-120	
Zinc	100	92.8	92.8	80.0-120	

⁷Gl

⁸Al

⁹Sc

L1861882-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1861882-06 06/02/25 00:53 • (MS) R4223857-5 06/02/25 01:02 • (MSD) R4223857-6 06/02/25 01:05

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 %
Arsenic	100	1.59	85.9	85.2	84.3	83.6	5	75.0-125			0.910	20
Barium	100	66.9	128	143	61.3	76.5	5	75.0-125	J6		11.2	20
Cadmium	100	0.124	94.3	91.9	94.2	91.8	5	75.0-125			2.62	20
Copper	100	ND	95.5	95.5	95.5	95.5	5	75.0-125			0.0535	20
Lead	100	ND	90.8	88.1	90.8	88.1	5	75.0-125			2.96	20
Nickel	100	ND	92.4	92.2	92.4	92.2	5	75.0-125			0.253	20
Selenium	100	0.181	85.5	82.1	85.3	82.0	5	75.0-125			3.95	20
Silver	20.0	ND	18.2	17.9	91.2	89.7	5	75.0-125			1.62	20
Zinc	100	ND	101	105	101	105	5	75.0-125			4.46	20

Method Blank (MB)

(MB) R4221806-3 05/28/25 01:07

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0800	0.100
^(S) a,a,a-Trifluorotoluene(FID)	101			77.0-120

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

(LCS) R4221806-1 05/27/25 23:41 • (LCSD) R4221806-2 05/28/25 00:03

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	5.14	4.58	103	91.6	72.0-127			11.5	20
^(S) a,a,a-Trifluorotoluene(FID)				102	102	77.0-120				

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

Method Blank (MB)

(MB) R4221752-3 05/28/25 03:42

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		2.00	2.50
^(S) a,a,a-Trifluorotoluene(FID)	101			77.0-120

Laboratory Control Sample (LCS)

(LCS) R4221752-2 05/28/25 02:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	4.09	81.8	72.0-127	
^(S) a,a,a-Trifluorotoluene(FID)			99.8	77.0-120	

L1861815-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1861815-01 05/28/25 07:42 • (MS) R4221752-4 05/28/25 12:26 • (MSD) R4221752-5 05/28/25 12:50

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	219	ND	151	136	93.8	84.5	32.3	10.0-151			10.5	28
^(S) a,a,a-Trifluorotoluene(FID)					101	100		77.0-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4221913-3 05/28/25 00:22

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0800	0.100
^(S) a,a,a-Trifluorotoluene(FID)	102			77.0-120

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

(LCS) R4221913-1 05/27/25 22:25 • (LCSD) R4221913-2 05/27/25 23:16

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.00	5.01	4.59	100	91.8	72.0-127			8.75	20
^(S) a,a,a-Trifluorotoluene(FID)				107	105	77.0-120				

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

Method Blank (MB)

(MB) R4222368-2 05/28/25 12:44

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0800	0.100
^(S) a,a,a-Trifluorotoluene(FID)	101			77.0-120

Laboratory Control Sample (LCS)

(LCS) R4222368-1 05/28/25 11:58

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	4.85	97.0	72.0-127	
^(S) a,a,a-Trifluorotoluene(FID)			107	77.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4222964-3 05/26/25 11:18

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
Benzene	U		0.00100	0.00100
Ethylbenzene	U		0.0100	0.0100
Toluene	U		0.0100	0.0100
1,2,4-Trimethylbenzene	U		0.00500	0.00500
1,3,5-Trimethylbenzene	U		0.00500	0.00500
Xylenes, Total	U		0.100	0.100
(S) Toluene-d8	99.2			75.0-131
(S) 4-Bromofluorobenzene	97.4			67.0-138
(S) 1,2-Dichloroethane-d4	91.1			70.0-130

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

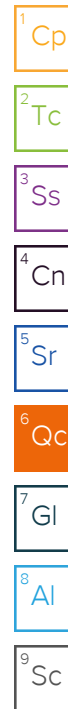
(LCS) R4222964-1 05/26/25 09:38 • (LCSD) R4222964-2 05/26/25 09:58

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Benzene	0.125	0.128	0.124	102	99.2	70.0-123			3.17	20
Ethylbenzene	0.125	0.129	0.118	103	94.4	74.0-126			8.91	20
Toluene	0.125	0.135	0.132	108	106	75.0-121			2.25	20
1,2,4-Trimethylbenzene	0.125	0.124	0.122	99.2	97.6	70.0-126			1.63	20
1,3,5-Trimethylbenzene	0.125	0.122	0.117	97.6	93.6	73.0-127			4.18	20
Xylenes, Total	0.375	0.357	0.348	95.2	92.8	72.0-127			2.55	20
(S) Toluene-d8				101	100	75.0-131				
(S) 4-Bromofluorobenzene				95.8	95.4	67.0-138				
(S) 1,2-Dichloroethane-d4				94.1	93.4	70.0-130				

L1861906-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1861906-01 05/26/25 11:51 • (MS) R4222964-4 05/26/25 19:03 • (MSD) R4222964-5 05/26/25 19:23

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Benzene	0.125	ND	0.119	0.115	95.2	92.0	1	10.0-149			3.42	37
Ethylbenzene	0.125	ND	0.118	0.115	94.4	92.0	1	10.0-160			2.58	38
Toluene	0.125	ND	0.125	0.119	100	95.2	1	10.0-156			4.92	38
1,2,4-Trimethylbenzene	0.125	ND	0.127	0.119	102	95.2	1	10.0-160			6.50	36
1,3,5-Trimethylbenzene	0.125	ND	0.122	0.116	97.6	92.8	1	10.0-160			5.04	38
Xylenes, Total	0.375	ND	0.337	0.333	89.9	88.8	1	10.0-160			1.19	38
(S) Toluene-d8					96.9	98.0		75.0-131				
(S) 4-Bromofluorobenzene					96.4	96.6		67.0-138				
(S) 1,2-Dichloroethane-d4					96.4	94.4		70.0-130				



Method Blank (MB)

(MB) R4223444-1 05/30/25 17:51

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	1.88	↓	1.61	4.00
C28-C36 Motor Oil Range	4.97		0.274	4.00
(S) o-Terphenyl	75.7			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4223444-2 05/30/25 18:04

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	36.3	72.6	50.0-150	
(S) o-Terphenyl			82.7	18.0-148	

L1861906-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1861906-01 05/30/25 21:21 • (MS) R4223444-3 05/30/25 21:34 • (MSD) R4223444-4 05/30/25 21:47

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	49.8	ND	35.8	37.8	71.9	75.6	1	50.0-150			5.43	20
(S) o-Terphenyl					78.6	80.0		18.0-148				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4223330-1 05/30/25 15:50

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	0.332	J	0.274	4.00
(S) o-Terphenyl	65.9			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4223330-2 05/30/25 16:04

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/kg	mg/kg	%	%	
C10-C28 Diesel Range	50.0	37.4	74.8	50.0-150	
(S) o-Terphenyl			65.3	18.0-148	

L1861906-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1861906-10 05/30/25 16:19 • (MS) R4223330-3 05/30/25 16:33 • (MSD) R4223330-4 05/30/25 16:47

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
C10-C28 Diesel Range	49.8	ND	33.6	34.9	67.5	70.2	1	50.0-150			3.80	20
(S) o-Terphenyl					52.6	54.2		18.0-148				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4224683-1 06/03/25 10:48

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	U		0.274	4.00
<i>(S) o-Terphenyl</i>	83.8			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4224683-2 06/03/25 11:03

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	38.8	77.6	50.0-150	
<i>(S) o-Terphenyl</i>			84.1	18.0-148	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4221976-2 05/28/25 13:31

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.0330	0.0330
Acenaphthene	U		0.0330	0.0330
Acenaphthylene	U		0.0330	0.0330
Benzo(a)anthracene	U		0.00600	0.00600
Benzo(a)pyrene	U		0.0330	0.0330
Benzo(b)fluoranthene	U		0.0330	0.0330
Benzo(g,h,i)perylene	U		0.0330	0.0330
Benzo(k)fluoranthene	U		0.0330	0.0330
Chrysene	U		0.0330	0.0330
Dibenz(a,h)anthracene	U		0.0330	0.0330
Fluoranthene	U		0.0330	0.0330
Fluorene	U		0.0330	0.0330
Indeno(1,2,3-cd)pyrene	U		0.0330	0.0330
Naphthalene	U		0.00300	0.00300
Phenanthrene	U		0.0330	0.0330
Pyrene	U		0.0330	0.0330
1-Methylnaphthalene	U		0.00300	0.00300
2-Methylnaphthalene	U		0.0120	0.0120
<i>(S) p-Terphenyl-d14</i>	116			23.0-120
<i>(S) Nitrobenzene-d5</i>	107			14.0-149
<i>(S) 2-Fluorobiphenyl</i>	108			34.0-125

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R4221976-1 05/28/25 13:14

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0799	99.9	50.0-126	
Acenaphthene	0.0800	0.0639	79.9	50.0-120	
Acenaphthylene	0.0800	0.0762	95.3	50.0-120	
Benzo(a)anthracene	0.0800	0.0785	98.1	45.0-120	
Benzo(a)pyrene	0.0800	0.0611	76.4	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0638	79.8	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0643	80.4	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0638	79.8	49.0-125	
Chrysene	0.0800	0.0720	90.0	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0729	91.1	47.0-125	
Fluoranthene	0.0800	0.0843	105	49.0-129	
Fluorene	0.0800	0.0764	95.5	49.0-120	

Laboratory Control Sample (LCS)

(LCS) R4221976-1 05/28/25 13:14

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Indeno(1,2,3-cd)pyrene	0.0800	0.0723	90.4	46.0-125	
Naphthalene	0.0800	0.0637	79.6	50.0-120	
Phenanthrene	0.0800	0.0720	90.0	47.0-120	
Pyrene	0.0800	0.0662	82.8	43.0-123	
1-Methylnaphthalene	0.0800	0.0712	89.0	51.0-121	
2-Methylnaphthalene	0.0800	0.0692	86.5	50.0-120	
<i>(S) p-Terphenyl-d14</i>			110	23.0-120	
<i>(S) Nitrobenzene-d5</i>			100	14.0-149	
<i>(S) 2-Fluorobiphenyl</i>			101	34.0-125	

L1861902-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1861902-09 05/28/25 19:23 • (MS) R4221976-3 05/28/25 19:40 • (MSD) R4221976-4 05/28/25 19:58

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Anthracene	0.0800	ND	0.0679	0.0669	84.9	83.6	1	10.0-145			1.48	30
Acenaphthene	0.0800	ND	0.0583	0.0477	72.9	59.6	1	14.0-127			20.0	27
Acenaphthylene	0.0800	ND	0.0657	0.0539	82.1	67.4	1	21.0-124			19.7	25
Benzo(a)anthracene	0.0800	ND	0.0656	0.0645	82.0	80.6	1	10.0-139			1.69	30
Benzo(a)pyrene	0.0800	ND	0.0610	0.0565	76.3	70.6	1	10.0-141			7.66	31
Benzo(b)fluoranthene	0.0800	ND	0.0550	0.0513	68.8	64.1	1	10.0-140			6.96	36
Benzo(g,h,i)perylene	0.0800	ND	0.0563	0.0510	70.4	63.8	1	10.0-140			9.88	33
Benzo(k)fluoranthene	0.0800	ND	0.0550	0.0528	68.8	66.0	1	10.0-137			4.08	31
Chrysene	0.0800	ND	0.0638	0.0662	79.8	82.8	1	10.0-145			3.69	30
Dibenz(a,h)anthracene	0.0800	ND	0.0618	0.0579	77.3	72.4	1	10.0-132			6.52	31
Fluoranthene	0.0800	ND	0.0728	0.0684	91.0	85.5	1	10.0-153			6.23	33
Fluorene	0.0800	ND	0.0658	0.0619	82.3	77.4	1	11.0-130			6.11	29
Indeno(1,2,3-cd)pyrene	0.0800	ND	0.0616	0.0557	77.0	69.6	1	10.0-137			10.1	32
Naphthalene	0.0800	ND	0.0566	0.0431	70.8	53.9	1	10.0-135		J3	27.1	27
Phenanthrene	0.0800	ND	0.0629	0.0610	78.6	76.3	1	10.0-144			3.07	31
Pyrene	0.0800	ND	0.0587	0.0544	73.4	68.0	1	10.0-148			7.60	35
1-Methylnaphthalene	0.0800	ND	0.0646	0.0483	80.7	60.4	1	10.0-142		J3	28.9	28
2-Methylnaphthalene	0.0800	ND	0.0604	0.0481	75.5	60.1	1	10.0-137			22.7	28
<i>(S) p-Terphenyl-d14</i>					97.8	83.3		23.0-120				
<i>(S) Nitrobenzene-d5</i>					82.9	69.7		14.0-149				
<i>(S) 2-Fluorobiphenyl</i>					86.2	70.3		34.0-125				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4222262-2 05/28/25 20:54

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.0330	0.0330
Acenaphthene	U		0.0330	0.0330
Acenaphthylene	U		0.0330	0.0330
Benzo(a)anthracene	U		0.00600	0.00600
Benzo(a)pyrene	U		0.0330	0.0330
Benzo(b)fluoranthene	U		0.0330	0.0330
Benzo(g,h,i)perylene	U		0.0330	0.0330
Benzo(k)fluoranthene	U		0.0330	0.0330
Chrysene	U		0.0330	0.0330
Dibenz(a,h)anthracene	U		0.0330	0.0330
Fluoranthene	U		0.0330	0.0330
Fluorene	U		0.0330	0.0330
Indeno(1,2,3-cd)pyrene	U		0.0330	0.0330
Naphthalene	U		0.00300	0.00300
Phenanthrene	U		0.0330	0.0330
Pyrene	U		0.0330	0.0330
1-Methylnaphthalene	U		0.00300	0.00300
2-Methylnaphthalene	U		0.0120	0.0120
<i>(S) p-Terphenyl-d14</i>	106			23.0-120
<i>(S) Nitrobenzene-d5</i>	84.5			14.0-149
<i>(S) 2-Fluorobiphenyl</i>	94.4			34.0-125

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R4222262-1 05/28/25 20:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0835	104	50.0-126	
Acenaphthene	0.0800	0.0865	108	50.0-120	
Acenaphthylene	0.0800	0.0851	106	50.0-120	
Benzo(a)anthracene	0.0800	0.0879	110	45.0-120	
Benzo(a)pyrene	0.0800	0.0732	91.5	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0900	113	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0935	117	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0871	109	49.0-125	
Chrysene	0.0800	0.0968	121	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0900	113	47.0-125	
Fluoranthene	0.0800	0.110	138	49.0-129	<u>J4</u>
Fluorene	0.0800	0.0900	113	49.0-120	

Laboratory Control Sample (LCS)

(LCS) R4222262-1 05/28/25 20:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Indeno(1,2,3-cd)pyrene	0.0800	0.0862	108	46.0-125	
Naphthalene	0.0800	0.0831	104	50.0-120	
Phenanthrene	0.0800	0.0901	113	47.0-120	
Pyrene	0.0800	0.0933	117	43.0-123	
1-Methylnaphthalene	0.0800	0.0953	119	51.0-121	
2-Methylnaphthalene	0.0800	0.0858	107	50.0-120	
(S) p-Terphenyl-d14			119	23.0-120	
(S) Nitrobenzene-d5			105	14.0-149	
(S) 2-Fluorobiphenyl			117	34.0-125	

L1861906-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1861906-06 05/29/25 05:30 • (MS) R4222166-1 05/29/25 05:47 • (MSD) R4222166-2 05/29/25 06:04

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 %
Anthracene	0.0788	ND	0.0718	0.0757	91.1	97.6	1	10.0-145			5.29	30
Acenaphthene	0.0788	ND	0.0687	0.0734	87.2	94.6	1	14.0-127			6.62	27
Acenaphthylene	0.0788	ND	0.0722	0.0780	91.6	101	1	21.0-124			7.72	25
Benzo(a)anthracene	0.0788	ND	0.0698	0.0746	88.6	96.1	1	10.0-139			6.65	30
Benzo(a)pyrene	0.0788	ND	0.0693	0.0751	87.9	96.8	1	10.0-141			8.03	31
Benzo(b)fluoranthene	0.0788	ND	0.0687	0.0739	87.2	95.2	1	10.0-140			7.29	36
Benzo(g,h,i)perylene	0.0788	ND	0.0692	0.0740	87.8	95.4	1	10.0-140			6.70	33
Benzo(k)fluoranthene	0.0788	ND	0.0694	0.0759	88.1	97.8	1	10.0-137			8.95	31
Chrysene	0.0788	ND	0.0728	0.0796	92.4	103	1	10.0-145			8.92	30
Dibenz(a,h)anthracene	0.0788	ND	0.0702	0.0770	89.1	99.2	1	10.0-132			9.24	31
Fluoranthene	0.0788	ND	0.0762	0.0802	96.7	103	1	10.0-153			5.12	33
Fluorene	0.0788	ND	0.0756	0.0815	95.9	105	1	11.0-130			7.51	29
Indeno(1,2,3-cd)pyrene	0.0788	ND	0.0669	0.0711	84.9	91.6	1	10.0-137			6.09	32
Naphthalene	0.0788	ND	0.0734	0.0765	93.1	98.6	1	10.0-135			4.14	27
Phenanthrene	0.0788	ND	0.0724	0.0770	91.9	99.2	1	10.0-144			6.16	31
Pyrene	0.0788	ND	0.0676	0.0715	85.8	92.1	1	10.0-148			5.61	35
1-Methylnaphthalene	0.0788	ND	0.0757	0.0802	96.1	103	1	10.0-142			5.77	28
2-Methylnaphthalene	0.0788	ND	0.0743	0.0778	94.3	100	1	10.0-137			4.60	28
(S) p-Terphenyl-d14					93.3	101		23.0-120				
(S) Nitrobenzene-d5					104	111		14.0-149				
(S) 2-Fluorobiphenyl					105	113		34.0-125				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier Description

J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

ACCREDITATIONS & LOCATIONS

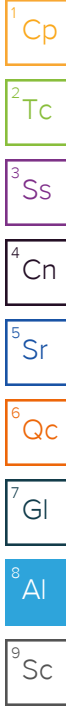
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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.



Pace Pace® Location Requested (City/State): **CHAIN-OF-CUSTODY Analytical Request Document**

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

Company Name: **Fremont Environmental, Inc.**
 Street Address:
 8305 6th St.
 Wellington, CO
 80549
 Customer Project #: **C024-137**
 Project Name:
Noble - REI 25-10 (Facility)
 Site Collection Info/Facility ID (as applicable):
REM. #: 34864

Contact/Report To: **Ethan Black**
 Phone #: **603-477-6907**
 E-Mail: **ethanb@fremontenv.com**
 Cc E-Mail: **chrisl@fremontenv.com, paulh@fremontenv.com, danpeterson@chevron.com**
 Invoice to: **Dan Peterson**
 Invoice E-mail:
danpeterson@chevron.com
 Purchase Order # (if applicable): **UWRWE-A2574-EXP**
 Quote #:

Sample Receipt Checklist
 COC Seal Present/Intact: Y N NP
 COC Signed/Accurate: Y N NP
 Bottles arrive intact: Y N NP
 Correct bottles used: Y N NP
 Sufficient volume sent: Y N NP
 RA Screen <0.5 mR/hr: Y N NP
 If Applicable
 VOA Zero Headspace: Y N
 Pres. Correct/Check: Y N
 Condition: NCF OK

Time Zone Collected: [] AK [] PT MT [] CT [] ET
 Data Deliverables:
 [] Level II [] Level III [] Level IV
 [] EQUIS
 [] Other

County / State origin of sample(s):
 Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [] Yes [] No
 Rush (Pre-approval required):
 [] Same Day [] 1 Day [] 2 Day [] 3 Day Other _____
 Date Results Requested:
 DW PWSID # or WW Permit # as applicable:
 Field Filtered (if applicable): [] Yes [] No
 Analysis:

Specify Container Size **	** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 80mL, (10) Other
Identify Container Preservative Type***	*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other
Analysis Requested	
Proj. Mgr:	
AcctNum / Client ID:	
Table #:	
Profile / Template:	
Prelog / Bottle Ord. ID:	
Sample Comment	

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OI), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start		Collected or Composite End		# Cont.	Residual Chlorine	
			Date	Time	Date	Time		Result	Units
MW-1 8FT	SS	G	5/21/25	0908					
MW-1 20FT	SS	G		0908					
MW-2 11FT	SS	G		1050					
MW-2 20FT	SS	G		1050					
MW-3 11FT	SS	G		1060					
MW-3 20FT	SS	G		1000					
MW-4 11 FT	SS	G		0939					
MW-4 20 FT	SS	G		0939					
MW-5 11 FT	SS	G		0933					
MW-5 20 FT	SS	G		0933					

Full Table 915-1 (SOIL)

Additional Instructions from Pace®:

Collected By:
 Printed Name
 Signature

Customer Remarks / Special Conditions / Possible Hazards:
 # Coolers: 1 Thermometer ID: TLA9 Correction Factor (°C): +0.4 Obs. Temp. (°C): 0.1 Corrected Temp. (°C): 0.5 [] On Ice

Relinquished by/Company: (Signature) <i>Ethan Black</i>	Date/Time: 5/21/25 1343	Received by/Company: (Signature) <i>[Signature]</i>	Date/Time: 5/21/25 1343	Tracking Number: SWA
Relinquished by/Company: (Signature)	Date/Time: 5/21/25 1900	Received by/Company: (Signature) <i>SWA</i>	Date/Time:	Delivered by: [] In-Person [] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[] FedEx [] UPS [] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature) <i>Edna Wilson</i>	Date/Time: 05/22 1000	Page: 1 of 1