

Civitas - CO

Sample Delivery Group: L1847252
Samples Received: 04/12/2025
Project Number: 240052-240054,240060
Description: Baker 6-4, 4-2, 31, 32-27

Report To: Sam Vogt / Jacob Evans
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Entire Report Reviewed By:



Mandi Edwards
Project Manager

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Pace Analytical National

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TABLE OF CONTENTS

Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	6
Sr: Sample Results	7
6-4-WH-B01 @ 6' L1847252-01	7
4-2-WH-B01 @ 6' L1847252-02	9
31-WH-B01 @ 6' L1847252-03	11
32-WH-B01 @ 6' L1847252-04	13
6-4-FL-B01 @ 5' L1847252-05	15
4-2-FL-B01 @ 5' L1847252-06	17
31-FL-B01 @ 5' L1847252-07	19
32-FL-B01 @ 5' L1847252-08	21
SP-CS01 L1847252-09	23
Qc: Quality Control Summary	25
Wet Chemistry by Method 7199	25
Wet Chemistry by Method 9045D	27
Wet Chemistry by Method 9050AMod	31
Metals (ICP) by Method 6010B-NE493 Ch 2	35
Metals (ICPMS) by Method 6020	39
Volatile Organic Compounds (GC) by Method 8015D/GRO	41
Volatile Organic Compounds (GC/MS) by Method 8260B	43
Semi-Volatile Organic Compounds (GC) by Method 8015M	45
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	46
Gl: Glossary of Terms	48
Al: Accreditations & Locations	49
Sc: Sample Chain of Custody	50

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

SAMPLE SUMMARY

6-4-WH-B01 @ 6' L1847252-01 Solid

Collected by: Dan Tyson
 Collected date/time: 04/10/25 14:30
 Received date/time: 04/12/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2490224	1	04/16/25 02:44	04/16/25 02:44	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2492454	1	04/21/25 09:46	04/21/25 17:45	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2491667	1	04/16/25 00:10	04/16/25 09:27	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2491816	1	04/16/25 08:36	04/16/25 12:43	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2490237	1	04/17/25 22:57	04/19/25 10:43	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2491763	5	04/16/25 17:38	04/17/25 10:45	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2495064	1	04/16/25 11:42	04/19/25 18:17	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2492642	1	04/16/25 11:42	04/17/25 16:29	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2493181	1	04/18/25 10:17	04/18/25 20:49	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2493210	1	04/18/25 06:50	04/18/25 16:10	TKW	Mt. Juliet, TN

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

4-2-WH-B01 @ 6' L1847252-02 Solid

Collected by: Dan Tyson
 Collected date/time: 04/10/25 14:35
 Received date/time: 04/12/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2490224	1	04/16/25 02:50	04/16/25 02:50	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2492454	1	04/21/25 09:46	04/21/25 17:54	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2491667	1	04/16/25 00:10	04/16/25 09:27	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2491816	1	04/16/25 08:36	04/16/25 12:43	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2490237	1	04/17/25 22:57	04/19/25 10:46	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2491763	5	04/16/25 17:38	04/17/25 10:48	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2495064	1	04/16/25 11:42	04/19/25 18:40	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2492642	1	04/16/25 11:42	04/17/25 16:09	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2493181	1	04/18/25 10:17	04/18/25 21:02	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2493210	1	04/18/25 06:50	04/18/25 16:27	TKW	Mt. Juliet, TN

31-WH-B01 @ 6' L1847252-03 Solid

Collected by: Dan Tyson
 Collected date/time: 04/10/25 14:40
 Received date/time: 04/12/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2490224	1	04/16/25 02:51	04/16/25 02:51	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2492454	1	04/21/25 09:46	04/21/25 18:03	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2491667	1	04/16/25 00:10	04/16/25 09:27	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2491816	1	04/16/25 08:36	04/16/25 12:43	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2490237	1	04/17/25 22:57	04/19/25 10:48	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2491763	5	04/16/25 17:38	04/17/25 10:52	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2495064	1	04/16/25 11:42	04/19/25 19:04	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2492883	1	04/16/25 11:42	04/18/25 00:45	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2493181	1	04/18/25 10:17	04/18/25 19:17	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2493210	1	04/18/25 06:50	04/18/25 16:45	TKW	Mt. Juliet, TN

32-WH-B01 @ 6' L1847252-04 Solid

Collected by: Dan Tyson
 Collected date/time: 04/10/25 14:45
 Received date/time: 04/12/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2490224	1	04/16/25 03:08	04/16/25 03:08	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2492454	1	04/21/25 09:46	04/21/25 20:16	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2491668	1	04/16/25 00:17	04/16/25 10:10	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2491818	1	04/16/25 08:27	04/16/25 12:13	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2490253	1	04/18/25 01:24	04/18/25 21:52	BAG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2491763	5	04/16/25 17:38	04/17/25 11:02	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2495064	1	04/16/25 11:42	04/19/25 19:27	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2492883	1	04/16/25 11:42	04/18/25 01:05	ACG	Mt. Juliet, TN

SAMPLE SUMMARY

32-WH-B01 @ 6' L1847252-04 Solid

Collected by: Dan Tyson
 Collected date/time: 04/10/25 14:45
 Received date/time: 04/12/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2493181	1	04/18/25 10:17	04/18/25 21:15	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2493210	1	04/18/25 06:50	04/18/25 17:03	TKW	Mt. Juliet, TN



6-4-FL-B01 @ 5' L1847252-05 Solid

Collected by: Dan Tyson
 Collected date/time: 04/10/25 15:45
 Received date/time: 04/12/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2490256	1	04/16/25 13:08	04/16/25 13:08	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2492454	1	04/21/25 09:46	04/21/25 20:25	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2491793	1	04/16/25 12:01	04/16/25 12:45	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2491804	1	04/16/25 12:03	04/16/25 14:25	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2490261	1	04/18/25 23:06	04/19/25 11:36	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2491769	5	04/16/25 18:13	04/17/25 12:38	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2495064	1	04/16/25 11:42	04/19/25 19:50	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2492883	1	04/16/25 11:42	04/18/25 01:25	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2493181	1	04/18/25 10:17	04/18/25 17:58	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2493210	1	04/18/25 06:50	04/18/25 17:20	TKW	Mt. Juliet, TN

4-2-FL-B01 @ 5' L1847252-06 Solid

Collected by: Dan Tyson
 Collected date/time: 04/10/25 15:00
 Received date/time: 04/12/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2490244	1	04/16/25 03:10	04/16/25 03:10	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2492454	1	04/21/25 09:46	04/21/25 20:34	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2491668	1	04/16/25 00:17	04/16/25 10:10	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2491818	1	04/16/25 08:27	04/16/25 12:13	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2490253	1	04/18/25 01:24	04/18/25 21:54	BAG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2491769	5	04/16/25 18:13	04/17/25 12:41	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2495064	1	04/16/25 11:42	04/19/25 20:14	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2492883	1	04/16/25 11:42	04/18/25 01:46	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2493181	1	04/18/25 10:17	04/18/25 18:24	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2493210	1	04/18/25 06:50	04/18/25 17:38	TKW	Mt. Juliet, TN

31-FL-B01 @ 5' L1847252-07 Solid

Collected by: Dan Tyson
 Collected date/time: 04/10/25 15:55
 Received date/time: 04/12/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2490224	1	04/16/25 02:53	04/16/25 02:53	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2492454	1	04/21/25 09:46	04/21/25 20:43	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2491667	1	04/16/25 00:10	04/16/25 09:27	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2491816	1	04/16/25 08:36	04/16/25 12:43	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2490237	1	04/17/25 22:57	04/19/25 10:51	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2491769	5	04/16/25 18:13	04/17/25 12:22	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2495064	1	04/16/25 11:42	04/19/25 20:37	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2492883	1	04/16/25 11:42	04/18/25 02:06	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2493181	1	04/18/25 10:17	04/18/25 19:04	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2493210	1	04/18/25 06:50	04/18/25 17:55	TKW	Mt. Juliet, TN

SAMPLE SUMMARY

32-FL-B01 @ 5' L1847252-08 Solid

Collected by: Dan Tyson
 Collected date/time: 04/10/25 16:00
 Received date/time: 04/12/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2490224	1	04/16/25 02:55	04/16/25 02:55	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2492454	1	04/21/25 09:46	04/21/25 20:52	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2491667	1	04/16/25 00:10	04/16/25 09:27	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2491816	1	04/16/25 08:36	04/16/25 12:43	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2490237	1	04/17/25 22:57	04/19/25 10:54	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2491769	5	04/16/25 18:13	04/17/25 12:45	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2495064	1	04/16/25 11:42	04/19/25 21:00	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2492883	1	04/16/25 11:42	04/18/25 02:26	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2493181	1	04/18/25 10:17	04/18/25 18:38	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2493210	1	04/18/25 06:50	04/18/25 18:13	TKW	Mt. Juliet, TN

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

SP-CS01 L1847252-09 Solid

Collected by: Dan Tyson
 Collected date/time: 04/10/25 16:05
 Received date/time: 04/12/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2490264	1	04/16/25 18:33	04/16/25 18:33	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2492461	1	04/16/25 18:03	04/22/25 10:19	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2491858	1	04/16/25 16:15	04/16/25 17:15	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2491850	1	04/16/25 16:17	04/16/25 19:12	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2490265	1	04/18/25 23:03	04/19/25 13:02	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2491763	5	04/16/25 17:38	04/17/25 11:05	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2495187	1	04/16/25 11:42	04/20/25 13:14	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2492883	1	04/16/25 11:42	04/18/25 02:46	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2493181	1	04/18/25 10:17	04/18/25 22:20	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2493210	1	04/18/25 06:50	04/18/25 18:30	TKW	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.



Mandi Edwards
Project Manager

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	0.976		1	04/16/2025 02:44	WG2490224

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.379	1.00	1	04/21/2025 17:45	WG2492454

- 5 Sr
- 6 Qc

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.21	<u>T8</u>	1	04/16/2025 09:27	WG2491667

Sample Narrative:

L1847252-01 WG2491667: 8.21 at 20.7C

- 7 Gl
- 8 Al

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	674	umhos/cm		10.0	1	04/16/2025 12:43	WG2491816

Sample Narrative:

L1847252-01 WG2491816: at 25C

- 9 Sc

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.549		0.0167	0.200	1	04/19/2025 10:43	WG2490237

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	7.25		0.100	1.00	5	04/17/2025 10:45	WG2491763
Barium	492		0.152	2.50	5	04/17/2025 10:45	WG2491763
Cadmium	0.162	<u>J</u>	0.0855	1.00	5	04/17/2025 10:45	WG2491763
Copper	16.2		0.132	5.00	5	04/17/2025 10:45	WG2491763
Lead	11.0		0.0990	2.00	5	04/17/2025 10:45	WG2491763
Nickel	14.1		0.197	2.50	5	04/17/2025 10:45	WG2491763
Selenium	0.546	<u>J</u>	0.180	2.50	5	04/17/2025 10:45	WG2491763
Silver	ND		0.0865	0.500	5	04/17/2025 10:45	WG2491763
Zinc	52.3		0.740	25.0	5	04/17/2025 10:45	WG2491763

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0251	<u>B J</u>	0.0217	0.100	1	04/19/2025 18:17	WG2495064
(S) a,a,a-Trifluorotoluene(FID)	98.2			77.0-120		04/19/2025 18:17	WG2495064

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.000467	0.00100	1	04/17/2025 16:29	WG2492642
Toluene	ND		0.00130	0.00500	1	04/17/2025 16:29	WG2492642
Ethylbenzene	ND		0.000737	0.00250	1	04/17/2025 16:29	WG2492642
Xylenes, Total	ND		0.000880	0.00650	1	04/17/2025 16:29	WG2492642
1,2,4-Trimethylbenzene	ND		0.00158	0.00500	1	04/17/2025 16:29	WG2492642
1,3,5-Trimethylbenzene	ND		0.00200	0.00500	1	04/17/2025 16:29	WG2492642
(S) Toluene-d8	92.7			75.0-131		04/17/2025 16:29	WG2492642
(S) 4-Bromofluorobenzene	103			67.0-138		04/17/2025 16:29	WG2492642
(S) 1,2-Dichloroethane-d4	101			70.0-130		04/17/2025 16:29	WG2492642

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	14.7		1.61	4.00	1	04/18/2025 20:49	WG2493181
C28-C36 Motor Oil Range	19.3		0.274	4.00	1	04/18/2025 20:49	WG2493181
(S) o-Terphenyl	62.9			18.0-148		04/18/2025 20:49	WG2493181

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.00162	0.00600	1	04/18/2025 16:10	WG2493210
Anthracene	ND		0.00163	0.00600	1	04/18/2025 16:10	WG2493210
Benzo(a)anthracene	ND		0.00200	0.00600	1	04/18/2025 16:10	WG2493210
Benzo(b)fluoranthene	ND		0.00275	0.00600	1	04/18/2025 16:10	WG2493210
Benzo(k)fluoranthene	ND		0.00213	0.00600	1	04/18/2025 16:10	WG2493210
Benzo(a)pyrene	ND		0.00163	0.00600	1	04/18/2025 16:10	WG2493210
Chrysene	ND		0.00206	0.00600	1	04/18/2025 16:10	WG2493210
Dibenz(a,h)anthracene	ND		0.00201	0.00600	1	04/18/2025 16:10	WG2493210
Fluoranthene	ND		0.00239	0.00600	1	04/18/2025 16:10	WG2493210
Fluorene	ND		0.00180	0.00600	1	04/18/2025 16:10	WG2493210
Indeno(1,2,3-cd)pyrene	ND		0.00234	0.00600	1	04/18/2025 16:10	WG2493210
1-Methylnaphthalene	ND		0.00219	0.0200	1	04/18/2025 16:10	WG2493210
2-Methylnaphthalene	ND		0.00571	0.0200	1	04/18/2025 16:10	WG2493210
Naphthalene	ND		0.00579	0.0200	1	04/18/2025 16:10	WG2493210
Pyrene	ND		0.00205	0.00600	1	04/18/2025 16:10	WG2493210
(S) p-Terphenyl-d14	84.3			23.0-120		04/18/2025 16:10	WG2493210
(S) Nitrobenzene-d5	85.7			14.0-149		04/18/2025 16:10	WG2493210
(S) 2-Fluorobiphenyl	80.3			34.0-125		04/18/2025 16:10	WG2493210

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	3.56		1	04/16/2025 02:50	WG2490224



Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.379	1.00	1	04/21/2025 17:54	WG2492454

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.44	<u>T8</u>	1	04/16/2025 09:27	WG2491667

Sample Narrative:

L1847252-02 WG2491667: 8.44 at 20.7C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	854	umhos/cm		10.0	1	04/16/2025 12:43	WG2491816

Sample Narrative:

L1847252-02 WG2491816: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.998		0.0167	0.200	1	04/19/2025 10:46	WG2490237

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	8.79		0.100	1.00	5	04/17/2025 10:48	WG2491763
Barium	274		0.152	2.50	5	04/17/2025 10:48	WG2491763
Cadmium	0.315	<u>J</u>	0.0855	1.00	5	04/17/2025 10:48	WG2491763
Copper	24.8		0.132	5.00	5	04/17/2025 10:48	WG2491763
Lead	24.5		0.0990	2.00	5	04/17/2025 10:48	WG2491763
Nickel	43.6		0.197	2.50	5	04/17/2025 10:48	WG2491763
Selenium	0.690	<u>J</u>	0.180	2.50	5	04/17/2025 10:48	WG2491763
Silver	ND		0.0865	0.500	5	04/17/2025 10:48	WG2491763
Zinc	128		0.740	25.0	5	04/17/2025 10:48	WG2491763

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0292	<u>B J</u>	0.0217	0.100	1	04/19/2025 18:40	WG2495064
(S) a,a,a-Trifluorotoluene(FID)	97.9			77.0-120		04/19/2025 18:40	WG2495064



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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.000467	0.00100	1	04/17/2025 16:09	WG2492642
Toluene	ND		0.00130	0.00500	1	04/17/2025 16:09	WG2492642
Ethylbenzene	ND		0.000737	0.00250	1	04/17/2025 16:09	WG2492642
Xylenes, Total	ND		0.000880	0.00650	1	04/17/2025 16:09	WG2492642
1,2,4-Trimethylbenzene	ND		0.00158	0.00500	1	04/17/2025 16:09	WG2492642
1,3,5-Trimethylbenzene	ND		0.00200	0.00500	1	04/17/2025 16:09	WG2492642
(S) Toluene-d8	91.1			75.0-131		04/17/2025 16:09	WG2492642
(S) 4-Bromofluorobenzene	102			67.0-138		04/17/2025 16:09	WG2492642
(S) 1,2-Dichloroethane-d4	101			70.0-130		04/17/2025 16:09	WG2492642

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	10.5		1.61	4.00	1	04/18/2025 21:02	WG2493181
C28-C36 Motor Oil Range	16.8		0.274	4.00	1	04/18/2025 21:02	WG2493181
(S) o-Terphenyl	63.3			18.0-148		04/18/2025 21:02	WG2493181

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.00162	0.00600	1	04/18/2025 16:27	WG2493210
Anthracene	ND		0.00163	0.00600	1	04/18/2025 16:27	WG2493210
Benzo(a)anthracene	ND		0.00200	0.00600	1	04/18/2025 16:27	WG2493210
Benzo(b)fluoranthene	ND		0.00275	0.00600	1	04/18/2025 16:27	WG2493210
Benzo(k)fluoranthene	ND		0.00213	0.00600	1	04/18/2025 16:27	WG2493210
Benzo(a)pyrene	ND		0.00163	0.00600	1	04/18/2025 16:27	WG2493210
Chrysene	ND		0.00206	0.00600	1	04/18/2025 16:27	WG2493210
Dibenz(a,h)anthracene	ND		0.00201	0.00600	1	04/18/2025 16:27	WG2493210
Fluoranthene	ND		0.00239	0.00600	1	04/18/2025 16:27	WG2493210
Fluorene	ND		0.00180	0.00600	1	04/18/2025 16:27	WG2493210
Indeno(1,2,3-cd)pyrene	ND		0.00234	0.00600	1	04/18/2025 16:27	WG2493210
1-Methylnaphthalene	ND		0.00219	0.0200	1	04/18/2025 16:27	WG2493210
2-Methylnaphthalene	ND		0.00571	0.0200	1	04/18/2025 16:27	WG2493210
Naphthalene	ND		0.00579	0.0200	1	04/18/2025 16:27	WG2493210
Pyrene	ND		0.00205	0.00600	1	04/18/2025 16:27	WG2493210
(S) p-Terphenyl-d14	93.8			23.0-120		04/18/2025 16:27	WG2493210
(S) Nitrobenzene-d5	90.6			14.0-149		04/18/2025 16:27	WG2493210
(S) 2-Fluorobiphenyl	87.6			34.0-125		04/18/2025 16:27	WG2493210

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	0.787		1	04/16/2025 02:51	WG2490224

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.379	1.00	1	04/21/2025 18:03	WG2492454

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.27	<u>T8</u>	1	04/16/2025 09:27	WG2491667

Sample Narrative:

L1847252-03 WG2491667: 8.27 at 20.4C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	329	umhos/cm		10.0	1	04/16/2025 12:43	WG2491816

Sample Narrative:

L1847252-03 WG2491816: at 25C

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

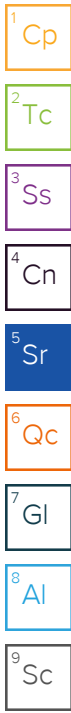
Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.297		0.0167	0.200	1	04/19/2025 10:48	WG2490237

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.39		0.100	1.00	5	04/17/2025 10:52	WG2491763
Barium	259		0.152	2.50	5	04/17/2025 10:52	WG2491763
Cadmium	0.198	<u>J</u>	0.0855	1.00	5	04/17/2025 10:52	WG2491763
Copper	12.2		0.132	5.00	5	04/17/2025 10:52	WG2491763
Lead	12.9		0.0990	2.00	5	04/17/2025 10:52	WG2491763
Nickel	17.2		0.197	2.50	5	04/17/2025 10:52	WG2491763
Selenium	0.501	<u>J</u>	0.180	2.50	5	04/17/2025 10:52	WG2491763
Silver	ND		0.0865	0.500	5	04/17/2025 10:52	WG2491763
Zinc	46.6		0.740	25.0	5	04/17/2025 10:52	WG2491763

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.0217	0.100	1	04/19/2025 19:04	WG2495064
(S) a,a,a-Trifluorotoluene(FID)	98.6			77.0-120		04/19/2025 19:04	WG2495064



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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.000467	0.00100	1	04/18/2025 00:45	WG2492883
Toluene	ND		0.00130	0.00500	1	04/18/2025 00:45	WG2492883
Ethylbenzene	ND		0.000737	0.00250	1	04/18/2025 00:45	WG2492883
Xylenes, Total	ND		0.000880	0.00650	1	04/18/2025 00:45	WG2492883
1,2,4-Trimethylbenzene	ND		0.00158	0.00500	1	04/18/2025 00:45	WG2492883
1,3,5-Trimethylbenzene	ND		0.00200	0.00500	1	04/18/2025 00:45	WG2492883
(S) Toluene-d8	110			75.0-131		04/18/2025 00:45	WG2492883
(S) 4-Bromofluorobenzene	102			67.0-138		04/18/2025 00:45	WG2492883
(S) 1,2-Dichloroethane-d4	80.9			70.0-130		04/18/2025 00:45	WG2492883

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	4.03		1.61	4.00	1	04/18/2025 19:17	WG2493181
C28-C36 Motor Oil Range	6.07		0.274	4.00	1	04/18/2025 19:17	WG2493181
(S) o-Terphenyl	72.3			18.0-148		04/18/2025 19:17	WG2493181

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.00162	0.00600	1	04/18/2025 16:45	WG2493210
Anthracene	ND		0.00163	0.00600	1	04/18/2025 16:45	WG2493210
Benzo(a)anthracene	ND		0.00200	0.00600	1	04/18/2025 16:45	WG2493210
Benzo(b)fluoranthene	ND		0.00275	0.00600	1	04/18/2025 16:45	WG2493210
Benzo(k)fluoranthene	ND		0.00213	0.00600	1	04/18/2025 16:45	WG2493210
Benzo(a)pyrene	ND		0.00163	0.00600	1	04/18/2025 16:45	WG2493210
Chrysene	ND		0.00206	0.00600	1	04/18/2025 16:45	WG2493210
Dibenz(a,h)anthracene	ND		0.00201	0.00600	1	04/18/2025 16:45	WG2493210
Fluoranthene	ND		0.00239	0.00600	1	04/18/2025 16:45	WG2493210
Fluorene	ND		0.00180	0.00600	1	04/18/2025 16:45	WG2493210
Indeno(1,2,3-cd)pyrene	ND		0.00234	0.00600	1	04/18/2025 16:45	WG2493210
1-Methylnaphthalene	ND		0.00219	0.0200	1	04/18/2025 16:45	WG2493210
2-Methylnaphthalene	ND		0.00571	0.0200	1	04/18/2025 16:45	WG2493210
Naphthalene	ND		0.00579	0.0200	1	04/18/2025 16:45	WG2493210
Pyrene	ND		0.00205	0.00600	1	04/18/2025 16:45	WG2493210
(S) p-Terphenyl-d14	92.2			23.0-120		04/18/2025 16:45	WG2493210
(S) Nitrobenzene-d5	81.7			14.0-149		04/18/2025 16:45	WG2493210
(S) 2-Fluorobiphenyl	83.5			34.0-125		04/18/2025 16:45	WG2493210

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	1.01		1	04/16/2025 03:08	WG2490244

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.379	1.00	1	04/21/2025 20:16	WG2492454

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.85	<u>T8</u>	1	04/16/2025 10:10	WG2491668

Sample Narrative:

L1847252-04 WG2491668: 8.85 at 20.4C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	658	umhos/cm		10.0	1	04/16/2025 12:13	WG2491818

Sample Narrative:

L1847252-04 WG2491818: at 25C

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

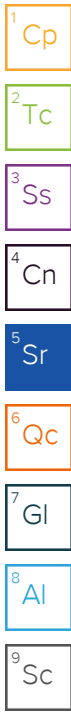
Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.395		0.0167	0.200	1	04/18/2025 21:52	WG2490253

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	5.93		0.100	1.00	5	04/17/2025 11:02	WG2491763
Barium	194		0.152	2.50	5	04/17/2025 11:02	WG2491763
Cadmium	0.230	<u>J</u>	0.0855	1.00	5	04/17/2025 11:02	WG2491763
Copper	14.7		0.132	5.00	5	04/17/2025 11:02	WG2491763
Lead	11.4		0.0990	2.00	5	04/17/2025 11:02	WG2491763
Nickel	14.7		0.197	2.50	5	04/17/2025 11:02	WG2491763
Selenium	0.611	<u>J</u>	0.180	2.50	5	04/17/2025 11:02	WG2491763
Silver	ND		0.0865	0.500	5	04/17/2025 11:02	WG2491763
Zinc	51.9		0.740	25.0	5	04/17/2025 11:02	WG2491763

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0409	<u>B J</u>	0.0217	0.100	1	04/19/2025 19:27	WG2495064
(S) a,a,a-Trifluorotoluene(FID)	97.9			77.0-120		04/19/2025 19:27	WG2495064



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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.000467	0.00100	1	04/18/2025 01:05	WG2492883
Toluene	ND		0.00130	0.00500	1	04/18/2025 01:05	WG2492883
Ethylbenzene	ND		0.000737	0.00250	1	04/18/2025 01:05	WG2492883
Xylenes, Total	ND		0.000880	0.00650	1	04/18/2025 01:05	WG2492883
1,2,4-Trimethylbenzene	ND		0.00158	0.00500	1	04/18/2025 01:05	WG2492883
1,3,5-Trimethylbenzene	ND		0.00200	0.00500	1	04/18/2025 01:05	WG2492883
(S) Toluene-d8	109			75.0-131		04/18/2025 01:05	WG2492883
(S) 4-Bromofluorobenzene	102			67.0-138		04/18/2025 01:05	WG2492883
(S) 1,2-Dichloroethane-d4	83.7			70.0-130		04/18/2025 01:05	WG2492883

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	21.4		1.61	4.00	1	04/18/2025 21:15	WG2493181
C28-C36 Motor Oil Range	26.8		0.274	4.00	1	04/18/2025 21:15	WG2493181
(S) o-Terphenyl	82.2			18.0-148		04/18/2025 21:15	WG2493181

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.00162	0.00600	1	04/18/2025 17:03	WG2493210
Anthracene	ND		0.00163	0.00600	1	04/18/2025 17:03	WG2493210
Benzo(a)anthracene	ND		0.00200	0.00600	1	04/18/2025 17:03	WG2493210
Benzo(b)fluoranthene	ND		0.00275	0.00600	1	04/18/2025 17:03	WG2493210
Benzo(k)fluoranthene	ND		0.00213	0.00600	1	04/18/2025 17:03	WG2493210
Benzo(a)pyrene	ND		0.00163	0.00600	1	04/18/2025 17:03	WG2493210
Chrysene	ND		0.00206	0.00600	1	04/18/2025 17:03	WG2493210
Dibenz(a,h)anthracene	ND		0.00201	0.00600	1	04/18/2025 17:03	WG2493210
Fluoranthene	ND		0.00239	0.00600	1	04/18/2025 17:03	WG2493210
Fluorene	ND		0.00180	0.00600	1	04/18/2025 17:03	WG2493210
Indeno(1,2,3-cd)pyrene	ND		0.00234	0.00600	1	04/18/2025 17:03	WG2493210
1-Methylnaphthalene	ND		0.00219	0.0200	1	04/18/2025 17:03	WG2493210
2-Methylnaphthalene	ND		0.00571	0.0200	1	04/18/2025 17:03	WG2493210
Naphthalene	ND		0.00579	0.0200	1	04/18/2025 17:03	WG2493210
Pyrene	ND		0.00205	0.00600	1	04/18/2025 17:03	WG2493210
(S) p-Terphenyl-d14	97.2			23.0-120		04/18/2025 17:03	WG2493210
(S) Nitrobenzene-d5	90.1			14.0-149		04/18/2025 17:03	WG2493210
(S) 2-Fluorobiphenyl	88.7			34.0-125		04/18/2025 17:03	WG2493210

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	0.339		1	04/16/2025 13:08	WG2490256

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.379	1.00	1	04/21/2025 20:25	WG2492454

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.05	<u>T8</u>	1	04/16/2025 12:45	WG2491793

Sample Narrative:

L1847252-05 WG2491793: 8.05 at 20.6C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	339	umhos/cm		10.0	1	04/16/2025 14:25	WG2491804

Sample Narrative:

L1847252-05 WG2491804: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.345		0.0167	0.200	1	04/19/2025 11:36	WG2490261

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.17		0.100	1.00	5	04/17/2025 12:38	WG2491769
Barium	290		0.152	2.50	5	04/17/2025 12:38	WG2491769
Cadmium	0.315	<u>J</u>	0.0855	1.00	5	04/17/2025 12:38	WG2491769
Copper	13.1		0.132	5.00	5	04/17/2025 12:38	WG2491769
Lead	8.61		0.0990	2.00	5	04/17/2025 12:38	WG2491769
Nickel	13.4		0.197	2.50	5	04/17/2025 12:38	WG2491769
Selenium	0.594	<u>J</u>	0.180	2.50	5	04/17/2025 12:38	WG2491769
Silver	ND		0.0865	0.500	5	04/17/2025 12:38	WG2491769
Zinc	45.4		0.740	25.0	5	04/17/2025 12:38	WG2491769

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0361	<u>B J</u>	0.0217	0.100	1	04/19/2025 19:50	WG2495064
(S) a,a,a-Trifluorotoluene(FID)	97.9			77.0-120		04/19/2025 19:50	WG2495064

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.000467	0.00100	1	04/18/2025 01:25	WG2492883
Toluene	ND		0.00130	0.00500	1	04/18/2025 01:25	WG2492883
Ethylbenzene	ND		0.000737	0.00250	1	04/18/2025 01:25	WG2492883
Xylenes, Total	ND		0.000880	0.00650	1	04/18/2025 01:25	WG2492883
1,2,4-Trimethylbenzene	ND		0.00158	0.00500	1	04/18/2025 01:25	WG2492883
1,3,5-Trimethylbenzene	ND		0.00200	0.00500	1	04/18/2025 01:25	WG2492883
(S) Toluene-d8	110			75.0-131		04/18/2025 01:25	WG2492883
(S) 4-Bromofluorobenzene	102			67.0-138		04/18/2025 01:25	WG2492883
(S) 1,2-Dichloroethane-d4	82.8			70.0-130		04/18/2025 01:25	WG2492883

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	2.34	J	1.61	4.00	1	04/18/2025 17:58	WG2493181
C28-C36 Motor Oil Range	4.89		0.274	4.00	1	04/18/2025 17:58	WG2493181
(S) o-Terphenyl	53.4			18.0-148		04/18/2025 17:58	WG2493181

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.00162	0.00600	1	04/18/2025 17:20	WG2493210
Anthracene	ND		0.00163	0.00600	1	04/18/2025 17:20	WG2493210
Benzo(a)anthracene	ND		0.00200	0.00600	1	04/18/2025 17:20	WG2493210
Benzo(b)fluoranthene	ND		0.00275	0.00600	1	04/18/2025 17:20	WG2493210
Benzo(k)fluoranthene	ND		0.00213	0.00600	1	04/18/2025 17:20	WG2493210
Benzo(a)pyrene	ND		0.00163	0.00600	1	04/18/2025 17:20	WG2493210
Chrysene	ND		0.00206	0.00600	1	04/18/2025 17:20	WG2493210
Dibenz(a,h)anthracene	ND		0.00201	0.00600	1	04/18/2025 17:20	WG2493210
Fluoranthene	ND		0.00239	0.00600	1	04/18/2025 17:20	WG2493210
Fluorene	ND		0.00180	0.00600	1	04/18/2025 17:20	WG2493210
Indeno(1,2,3-cd)pyrene	ND		0.00234	0.00600	1	04/18/2025 17:20	WG2493210
1-Methylnaphthalene	ND		0.00219	0.0200	1	04/18/2025 17:20	WG2493210
2-Methylnaphthalene	ND		0.00571	0.0200	1	04/18/2025 17:20	WG2493210
Naphthalene	ND		0.00579	0.0200	1	04/18/2025 17:20	WG2493210
Pyrene	ND		0.00205	0.00600	1	04/18/2025 17:20	WG2493210
(S) p-Terphenyl-d14	72.6			23.0-120		04/18/2025 17:20	WG2493210
(S) Nitrobenzene-d5	65.2			14.0-149		04/18/2025 17:20	WG2493210
(S) 2-Fluorobiphenyl	65.5			34.0-125		04/18/2025 17:20	WG2493210

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	0.484		1	04/16/2025 03:10	WG2490244

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.379	1.00	1	04/21/2025 20:34	WG2492454

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.22	<u>T8</u>	1	04/16/2025 10:10	WG2491668

Sample Narrative:

L1847252-06 WG2491668: 8.22 at 20.4C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	312	umhos/cm		10.0	1	04/16/2025 12:13	WG2491818

Sample Narrative:

L1847252-06 WG2491818: at 25C

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

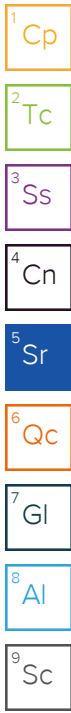
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.285		0.0167	0.200	1	04/18/2025 21:54	WG2490253

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Arsenic	9.14		0.100	1.00	5	04/17/2025 12:41	WG2491769
Barium	2390		0.152	2.50	5	04/17/2025 12:41	WG2491769
Cadmium	0.165	<u>J</u>	0.0855	1.00	5	04/17/2025 12:41	WG2491769
Copper	20.8		0.132	5.00	5	04/17/2025 12:41	WG2491769
Lead	12.3		0.0990	2.00	5	04/17/2025 12:41	WG2491769
Nickel	23.4		0.197	2.50	5	04/17/2025 12:41	WG2491769
Selenium	0.838	<u>J</u>	0.180	2.50	5	04/17/2025 12:41	WG2491769
Silver	ND		0.0865	0.500	5	04/17/2025 12:41	WG2491769
Zinc	90.7		0.740	25.0	5	04/17/2025 12:41	WG2491769

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.0217	0.100	1	04/19/2025 20:14	WG2495064
(S) a,a,a-Trifluorotoluene(FID)	98.1			77.0-120		04/19/2025 20:14	WG2495064



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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.000467	0.00100	1	04/18/2025 01:46	WG2492883
Toluene	ND		0.00130	0.00500	1	04/18/2025 01:46	WG2492883
Ethylbenzene	ND		0.000737	0.00250	1	04/18/2025 01:46	WG2492883
Xylenes, Total	ND		0.000880	0.00650	1	04/18/2025 01:46	WG2492883
1,2,4-Trimethylbenzene	ND		0.00158	0.00500	1	04/18/2025 01:46	WG2492883
1,3,5-Trimethylbenzene	ND		0.00200	0.00500	1	04/18/2025 01:46	WG2492883
(S) Toluene-d8	109			75.0-131		04/18/2025 01:46	WG2492883
(S) 4-Bromofluorobenzene	101			67.0-138		04/18/2025 01:46	WG2492883
(S) 1,2-Dichloroethane-d4	82.9			70.0-130		04/18/2025 01:46	WG2492883

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	1.93	J	1.61	4.00	1	04/18/2025 18:24	WG2493181
C28-C36 Motor Oil Range	3.53	J	0.274	4.00	1	04/18/2025 18:24	WG2493181
(S) o-Terphenyl	60.1			18.0-148		04/18/2025 18:24	WG2493181

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.00162	0.00600	1	04/18/2025 17:38	WG2493210
Anthracene	ND		0.00163	0.00600	1	04/18/2025 17:38	WG2493210
Benzo(a)anthracene	ND		0.00200	0.00600	1	04/18/2025 17:38	WG2493210
Benzo(b)fluoranthene	ND		0.00275	0.00600	1	04/18/2025 17:38	WG2493210
Benzo(k)fluoranthene	ND		0.00213	0.00600	1	04/18/2025 17:38	WG2493210
Benzo(a)pyrene	ND		0.00163	0.00600	1	04/18/2025 17:38	WG2493210
Chrysene	ND		0.00206	0.00600	1	04/18/2025 17:38	WG2493210
Dibenz(a,h)anthracene	ND		0.00201	0.00600	1	04/18/2025 17:38	WG2493210
Fluoranthene	ND		0.00239	0.00600	1	04/18/2025 17:38	WG2493210
Fluorene	ND		0.00180	0.00600	1	04/18/2025 17:38	WG2493210
Indeno(1,2,3-cd)pyrene	ND		0.00234	0.00600	1	04/18/2025 17:38	WG2493210
1-Methylnaphthalene	ND		0.00219	0.0200	1	04/18/2025 17:38	WG2493210
2-Methylnaphthalene	ND		0.00571	0.0200	1	04/18/2025 17:38	WG2493210
Naphthalene	ND		0.00579	0.0200	1	04/18/2025 17:38	WG2493210
Pyrene	ND		0.00205	0.00600	1	04/18/2025 17:38	WG2493210
(S) p-Terphenyl-d14	86.0			23.0-120		04/18/2025 17:38	WG2493210
(S) Nitrobenzene-d5	79.5			14.0-149		04/18/2025 17:38	WG2493210
(S) 2-Fluorobiphenyl	77.8			34.0-125		04/18/2025 17:38	WG2493210

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	0.734		1	04/16/2025 02:53	WG2490224

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.379	1.00	1	04/21/2025 20:43	WG2492454

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.11	<u>T8</u>	1	04/16/2025 09:27	WG2491667

Sample Narrative:

L1847252-07 WG2491667: 8.11 at 20.4C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	379	umhos/cm		10.0	1	04/16/2025 12:43	WG2491816

Sample Narrative:

L1847252-07 WG2491816: at 25C

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

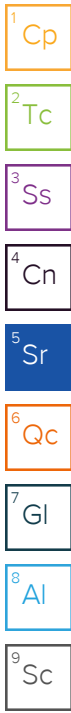
Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.310		0.0167	0.200	1	04/19/2025 10:51	WG2490237

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	5.76		0.100	1.00	5	04/17/2025 12:22	WG2491769
Barium	297		0.152	2.50	5	04/17/2025 12:22	WG2491769
Cadmium	0.338	<u>J</u>	0.0855	1.00	5	04/17/2025 12:22	WG2491769
Copper	15.3		0.132	5.00	5	04/17/2025 12:22	WG2491769
Lead	11.4		0.0990	2.00	5	04/17/2025 12:22	WG2491769
Nickel	17.2		0.197	2.50	5	04/17/2025 12:22	WG2491769
Selenium	0.693	<u>J</u>	0.180	2.50	5	04/17/2025 12:22	WG2491769
Silver	ND		0.0865	0.500	5	04/17/2025 12:22	WG2491769
Zinc	53.5		0.740	25.0	5	04/17/2025 12:22	WG2491769

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.0217	0.100	1	04/19/2025 20:37	WG2495064
(S) a,a,a-Trifluorotoluene(FID)	97.7			77.0-120		04/19/2025 20:37	WG2495064



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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.000467	0.00100	1	04/18/2025 02:06	WG2492883
Toluene	ND		0.00130	0.00500	1	04/18/2025 02:06	WG2492883
Ethylbenzene	ND		0.000737	0.00250	1	04/18/2025 02:06	WG2492883
Xylenes, Total	ND		0.000880	0.00650	1	04/18/2025 02:06	WG2492883
1,2,4-Trimethylbenzene	ND		0.00158	0.00500	1	04/18/2025 02:06	WG2492883
1,3,5-Trimethylbenzene	ND		0.00200	0.00500	1	04/18/2025 02:06	WG2492883
(S) Toluene-d8	109			75.0-131		04/18/2025 02:06	WG2492883
(S) 4-Bromofluorobenzene	103			67.0-138		04/18/2025 02:06	WG2492883
(S) 1,2-Dichloroethane-d4	82.8			70.0-130		04/18/2025 02:06	WG2492883

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	5.37		1.61	4.00	1	04/18/2025 19:04	WG2493181
C28-C36 Motor Oil Range	8.85		0.274	4.00	1	04/18/2025 19:04	WG2493181
(S) o-Terphenyl	48.9			18.0-148		04/18/2025 19:04	WG2493181

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.00162	0.00600	1	04/18/2025 17:55	WG2493210
Anthracene	ND		0.00163	0.00600	1	04/18/2025 17:55	WG2493210
Benzo(a)anthracene	ND		0.00200	0.00600	1	04/18/2025 17:55	WG2493210
Benzo(b)fluoranthene	ND		0.00275	0.00600	1	04/18/2025 17:55	WG2493210
Benzo(k)fluoranthene	ND		0.00213	0.00600	1	04/18/2025 17:55	WG2493210
Benzo(a)pyrene	ND		0.00163	0.00600	1	04/18/2025 17:55	WG2493210
Chrysene	ND		0.00206	0.00600	1	04/18/2025 17:55	WG2493210
Dibenz(a,h)anthracene	ND		0.00201	0.00600	1	04/18/2025 17:55	WG2493210
Fluoranthene	ND		0.00239	0.00600	1	04/18/2025 17:55	WG2493210
Fluorene	ND		0.00180	0.00600	1	04/18/2025 17:55	WG2493210
Indeno(1,2,3-cd)pyrene	ND		0.00234	0.00600	1	04/18/2025 17:55	WG2493210
1-Methylnaphthalene	ND		0.00219	0.0200	1	04/18/2025 17:55	WG2493210
2-Methylnaphthalene	ND		0.00571	0.0200	1	04/18/2025 17:55	WG2493210
Naphthalene	ND		0.00579	0.0200	1	04/18/2025 17:55	WG2493210
Pyrene	ND		0.00205	0.00600	1	04/18/2025 17:55	WG2493210
(S) p-Terphenyl-d14	88.3			23.0-120		04/18/2025 17:55	WG2493210
(S) Nitrobenzene-d5	85.8			14.0-149		04/18/2025 17:55	WG2493210
(S) 2-Fluorobiphenyl	81.9			34.0-125		04/18/2025 17:55	WG2493210

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	0.342		1	04/16/2025 02:55	WG2490224

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.379	1.00	1	04/21/2025 20:52	WG2492454

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.10	<u>T8</u>	1	04/16/2025 09:27	WG2491667

Sample Narrative:

L1847252-08 WG2491667: 8.1 at 20.4C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	282	umhos/cm		10.0	1	04/16/2025 12:43	WG2491816

Sample Narrative:

L1847252-08 WG2491816: at 25C

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

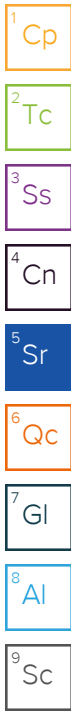
Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.278		0.0167	0.200	1	04/19/2025 10:54	WG2490237

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	5.89		0.100	1.00	5	04/17/2025 12:45	WG2491769
Barium	416		0.152	2.50	5	04/17/2025 12:45	WG2491769
Cadmium	0.281	<u>J</u>	0.0855	1.00	5	04/17/2025 12:45	WG2491769
Copper	12.0		0.132	5.00	5	04/17/2025 12:45	WG2491769
Lead	10.8		0.0990	2.00	5	04/17/2025 12:45	WG2491769
Nickel	14.2		0.197	2.50	5	04/17/2025 12:45	WG2491769
Selenium	0.640	<u>J</u>	0.180	2.50	5	04/17/2025 12:45	WG2491769
Silver	ND		0.0865	0.500	5	04/17/2025 12:45	WG2491769
Zinc	40.8		0.740	25.0	5	04/17/2025 12:45	WG2491769

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0254	<u>B J</u>	0.0217	0.100	1	04/19/2025 21:00	WG2495064
(S) a,a,a-Trifluorotoluene(FID)	98.8			77.0-120		04/19/2025 21:00	WG2495064



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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.000467	0.00100	1	04/18/2025 02:26	WG2492883
Toluene	ND		0.00130	0.00500	1	04/18/2025 02:26	WG2492883
Ethylbenzene	ND		0.000737	0.00250	1	04/18/2025 02:26	WG2492883
Xylenes, Total	ND		0.000880	0.00650	1	04/18/2025 02:26	WG2492883
1,2,4-Trimethylbenzene	ND		0.00158	0.00500	1	04/18/2025 02:26	WG2492883
1,3,5-Trimethylbenzene	ND		0.00200	0.00500	1	04/18/2025 02:26	WG2492883
(S) Toluene-d8	111			75.0-131		04/18/2025 02:26	WG2492883
(S) 4-Bromofluorobenzene	104			67.0-138		04/18/2025 02:26	WG2492883
(S) 1,2-Dichloroethane-d4	85.2			70.0-130		04/18/2025 02:26	WG2492883

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		1.61	4.00	1	04/18/2025 18:38	WG2493181
C28-C36 Motor Oil Range	1.58	J	0.274	4.00	1	04/18/2025 18:38	WG2493181
(S) o-Terphenyl	66.7			18.0-148		04/18/2025 18:38	WG2493181

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.00162	0.00600	1	04/18/2025 18:13	WG2493210
Anthracene	ND		0.00163	0.00600	1	04/18/2025 18:13	WG2493210
Benzo(a)anthracene	ND		0.00200	0.00600	1	04/18/2025 18:13	WG2493210
Benzo(b)fluoranthene	ND		0.00275	0.00600	1	04/18/2025 18:13	WG2493210
Benzo(k)fluoranthene	ND		0.00213	0.00600	1	04/18/2025 18:13	WG2493210
Benzo(a)pyrene	ND		0.00163	0.00600	1	04/18/2025 18:13	WG2493210
Chrysene	ND		0.00206	0.00600	1	04/18/2025 18:13	WG2493210
Dibenz(a,h)anthracene	ND		0.00201	0.00600	1	04/18/2025 18:13	WG2493210
Fluoranthene	ND		0.00239	0.00600	1	04/18/2025 18:13	WG2493210
Fluorene	ND		0.00180	0.00600	1	04/18/2025 18:13	WG2493210
Indeno(1,2,3-cd)pyrene	ND		0.00234	0.00600	1	04/18/2025 18:13	WG2493210
1-Methylnaphthalene	ND		0.00219	0.0200	1	04/18/2025 18:13	WG2493210
2-Methylnaphthalene	ND		0.00571	0.0200	1	04/18/2025 18:13	WG2493210
Naphthalene	ND		0.00579	0.0200	1	04/18/2025 18:13	WG2493210
Pyrene	ND		0.00205	0.00600	1	04/18/2025 18:13	WG2493210
(S) p-Terphenyl-d14	85.6			23.0-120		04/18/2025 18:13	WG2493210
(S) Nitrobenzene-d5	80.8			14.0-149		04/18/2025 18:13	WG2493210
(S) 2-Fluorobiphenyl	78.5			34.0-125		04/18/2025 18:13	WG2493210

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	0.702		1	04/16/2025 18:33	WG2490264

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.379	1.00	1	04/22/2025 10:19	WG2492461

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.12	<u>T8</u>	1	04/16/2025 17:15	WG2491858

Sample Narrative:

L1847252-09 WG2491858: 8.12 at 20.7C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	346	umhos/cm		10.0	1	04/16/2025 19:12	WG2491850

Sample Narrative:

L1847252-09 WG2491850: at 25C

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

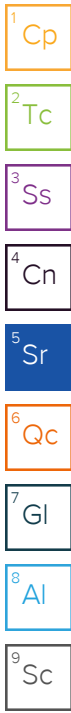
Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.377		0.0167	0.200	1	04/19/2025 13:02	WG2490265

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.12		0.100	1.00	5	04/17/2025 11:05	WG2491763
Barium	304		0.152	2.50	5	04/17/2025 11:05	WG2491763
Cadmium	0.236	<u>J</u>	0.0855	1.00	5	04/17/2025 11:05	WG2491763
Copper	11.3		0.132	5.00	5	04/17/2025 11:05	WG2491763
Lead	8.84		0.0990	2.00	5	04/17/2025 11:05	WG2491763
Nickel	11.8		0.197	2.50	5	04/17/2025 11:05	WG2491763
Selenium	0.555	<u>J</u>	0.180	2.50	5	04/17/2025 11:05	WG2491763
Silver	ND		0.0865	0.500	5	04/17/2025 11:05	WG2491763
Zinc	38.5		0.740	25.0	5	04/17/2025 11:05	WG2491763

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0243	<u>B J</u>	0.0217	0.100	1	04/20/2025 13:14	WG2495187
(S) a,a,a-Trifluorotoluene(FID)	98.1			77.0-120		04/20/2025 13:14	WG2495187



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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.000467	0.00100	1	04/18/2025 02:46	WG2492883
Toluene	ND		0.00130	0.00500	1	04/18/2025 02:46	WG2492883
Ethylbenzene	ND		0.000737	0.00250	1	04/18/2025 02:46	WG2492883
Xylenes, Total	ND		0.000880	0.00650	1	04/18/2025 02:46	WG2492883
1,2,4-Trimethylbenzene	ND		0.00158	0.00500	1	04/18/2025 02:46	WG2492883
1,3,5-Trimethylbenzene	ND		0.00200	0.00500	1	04/18/2025 02:46	WG2492883
(S) Toluene-d8	108			75.0-131		04/18/2025 02:46	WG2492883
(S) 4-Bromofluorobenzene	101			67.0-138		04/18/2025 02:46	WG2492883
(S) 1,2-Dichloroethane-d4	81.9			70.0-130		04/18/2025 02:46	WG2492883

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	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	36.0		1.61	4.00	1	04/18/2025 22:20	WG2493181
C28-C36 Motor Oil Range	59.2		0.274	4.00	1	04/18/2025 22:20	WG2493181
(S) o-Terphenyl	57.5			18.0-148		04/18/2025 22:20	WG2493181

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.00162	0.00600	1	04/18/2025 18:30	WG2493210
Anthracene	ND		0.00163	0.00600	1	04/18/2025 18:30	WG2493210
Benzo(a)anthracene	ND		0.00200	0.00600	1	04/18/2025 18:30	WG2493210
Benzo(b)fluoranthene	ND		0.00275	0.00600	1	04/18/2025 18:30	WG2493210
Benzo(k)fluoranthene	ND		0.00213	0.00600	1	04/18/2025 18:30	WG2493210
Benzo(a)pyrene	ND		0.00163	0.00600	1	04/18/2025 18:30	WG2493210
Chrysene	ND		0.00206	0.00600	1	04/18/2025 18:30	WG2493210
Dibenz(a,h)anthracene	ND		0.00201	0.00600	1	04/18/2025 18:30	WG2493210
Fluoranthene	ND		0.00239	0.00600	1	04/18/2025 18:30	WG2493210
Fluorene	ND		0.00180	0.00600	1	04/18/2025 18:30	WG2493210
Indeno(1,2,3-cd)pyrene	ND		0.00234	0.00600	1	04/18/2025 18:30	WG2493210
1-Methylnaphthalene	ND		0.00219	0.0200	1	04/18/2025 18:30	WG2493210
2-Methylnaphthalene	ND		0.00571	0.0200	1	04/18/2025 18:30	WG2493210
Naphthalene	ND		0.00579	0.0200	1	04/18/2025 18:30	WG2493210
Pyrene	ND		0.00205	0.00600	1	04/18/2025 18:30	WG2493210
(S) p-Terphenyl-d14	99.1			23.0-120		04/18/2025 18:30	WG2493210
(S) Nitrobenzene-d5	90.4			14.0-149		04/18/2025 18:30	WG2493210
(S) 2-Fluorobiphenyl	89.8			34.0-125		04/18/2025 18:30	WG2493210

Method Blank (MB)

(MB) R4202938-1 04/21/25 17:10

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Hexavalent Chromium	ND		0.379	1.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1847244-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1847244-09 04/21/25 17:27 • (DUP) R4202938-3 04/21/25 17:36

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	0.000		20

L1847268-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1847268-05 04/21/25 22:27 • (DUP) R4202938-8 04/21/25 22:36

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	0.532	0.577	1	8.10	↓	20

Laboratory Control Sample (LCS)

(LCS) R4202938-2 04/21/25 17:18

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Hexavalent Chromium	10.0	10.4	104	80.0-120	

L1847252-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1847252-03 04/21/25 18:03 • (MS) R4202938-4 04/21/25 18:12 • (MSD) R4202938-5 04/21/25 18:21

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	18.4	19.3	91.8	96.4	1	75.0-125			4.87	20

L1847252-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1847252-03 04/21/25 18:03 • (MS) R4202938-6 04/21/25 18:30

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Hexavalent Chromium	651	ND	607	93.2	50	75.0-125	

Method Blank (MB)

(MB) R4203242-1 04/22/25 08:59

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Hexavalent Chromium	ND		0.379	1.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1847318-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1847318-04 04/22/25 11:22 • (DUP) R4203242-7 04/22/25 11:31

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	0.000		20

L1847318-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1847318-06 04/22/25 11:49 • (DUP) R4203242-8 04/22/25 11:58

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4203242-2 04/22/25 09:07

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Hexavalent Chromium	10.0	10.6	106	80.0-120	

L1847196-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1847196-03 04/22/25 09:34 • (MS) R4203242-3 04/22/25 09:43 • (MSD) R4203242-4 04/22/25 09:52

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	19.6	19.1	97.9	95.3	1	75.0-125			2.75	20

L1847196-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1847196-03 04/22/25 09:34 • (MS) R4203242-5 04/22/25 10:01

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Hexavalent Chromium	646	ND	681	105	50	75.0-125	

L1847196-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1847196-14 04/16/25 09:27 • (DUP) R4200303-2 04/16/25 09:27

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.16	8.13	1	0.368		1

Sample Narrative:

OS: 8.16 at 21.3C
 DUP: 8.13 at 21.2C

L1847254-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1847254-02 04/16/25 09:27 • (DUP) R4200303-3 04/16/25 09:27

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.99	7.97	1	0.251		1

Sample Narrative:

OS: 7.99 at 20.1C
 DUP: 7.97 at 20C

Laboratory Control Sample (LCS)

(LCS) R4200303-1 04/16/25 09:27

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	su	su	%	%	
pH	10.0	9.99	99.9	99.0-101	

Sample Narrative:

LCS: 9.99 at 20C



L1847196-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1847196-13 04/16/25 10:10 • (DUP) R4200309-2 04/16/25 10:10

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
su	su			%		%
pH	8.36	8.34	1	0.240		1

Sample Narrative:

OS: 8.36 at 20.9C
 DUP: 8.34 at 20.8C

L1847254-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1847254-03 04/16/25 10:10 • (DUP) R4200309-3 04/16/25 10:10

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
su	su			%		%
pH	8.03	8.00	1	0.374		1

Sample Narrative:

OS: 8.03 at 20.1C
 DUP: 8 at 20.5C

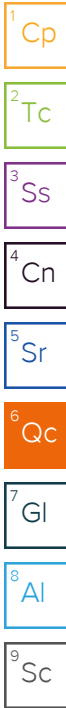
Laboratory Control Sample (LCS)

(LCS) R4200309-1 04/16/25 10:10

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 20C



L1847196-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1847196-01 04/16/25 12:45 • (DUP) R4200417-2 04/16/25 12:45

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
su	su			%		%
pH	8.13	8.08	1	0.617		1

Sample Narrative:

OS: 8.13 at 21.1C

DUP: 8.08 at 21C

L1847252-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1847252-05 04/16/25 12:45 • (DUP) R4200417-3 04/16/25 12:45

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
su	su			%		%
pH	8.05	8.06	1	0.124		1

Sample Narrative:

OS: 8.05 at 20.6C

DUP: 8.06 at 20.6C

Laboratory Control Sample (LCS)

(LCS) R4200417-1 04/16/25 12:45

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: 10.01 at 20.4C

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1847196-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1847196-02 04/16/25 17:15 • (DUP) R4200636-2 04/16/25 17:15

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
pH	7.99	7.99	1	0.000		1

Sample Narrative:

OS: 7.99 at 21.2C

DUP: 7.99 at 21.3C

Laboratory Control Sample (LCS)

(LCS) R4200636-1 04/16/25 17:15

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

Sample Narrative:

LCS: 9.98 at 20.3C

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

Method Blank (MB)

(MB) R4200487-1 04/16/25 14:25

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

Sample Narrative:

BLANK: at 25C

L1847196-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1847196-04 04/16/25 14:25 • (DUP) R4200487-3 04/16/25 14:25

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Specific Conductance	umhos/cm	umhos/cm		%		%
	338	339	1	0.295		20

Sample Narrative:

OS: at 25C
DUP: at 25C

L1847239-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1847239-01 04/16/25 14:25 • (DUP) R4200487-4 04/16/25 14:25

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Specific Conductance	umhos/cm	umhos/cm		%		%
	184	185	1	0.325		20

Sample Narrative:

OS: at 25C
DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4200487-2 04/16/25 14:25

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Specific Conductance	umhos/cm	umhos/cm	%	%	
	1130	1170	103	85.0-115	

Sample Narrative:

LCS: at 25C



Method Blank (MB)

(MB) R4200402-1 04/16/25 12:43

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

Sample Narrative:

BLANK: at 25C

L1847217-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1847217-02 04/16/25 12:43 • (DUP) R4200402-3 04/16/25 12:43

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Specific Conductance	umhos/cm	umhos/cm		%		%
	2870	2860	1	0.209		20

Sample Narrative:

OS: at 25C

DUP: at 25C

L1847254-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1847254-01 04/16/25 12:43 • (DUP) R4200402-4 04/16/25 12:43

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Specific Conductance	umhos/cm	umhos/cm		%		%
	345	343	1	0.581		20

Sample Narrative:

OS: at 25C

DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4200402-2 04/16/25 12:43

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Specific Conductance	umhos/cm	umhos/cm	%	%	
	1130	1120	99.4	85.0-115	

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) R4200381-1 04/16/25 12:13

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

Sample Narrative:

BLANK: at 25C

L1847196-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1847196-15 04/16/25 12:13 • (DUP) R4200381-3 04/16/25 12:13

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Specific Conductance	umhos/cm	umhos/cm		%		%
	194	193	1	0.103		20

Sample Narrative:

OS: at 25C

DUP: at 25C

L1847252-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1847252-06 04/16/25 12:13 • (DUP) R4200381-4 04/16/25 12:13

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Specific Conductance	umhos/cm	umhos/cm		%		%
	312	312	1	0.000		20

Sample Narrative:

OS: at 25C

DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4200381-2 04/16/25 12:13

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Specific Conductance	umhos/cm	umhos/cm	%	%	
	1130	1130	100	85.0-115	

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) R4200727-1 04/16/25 19:12

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

Sample Narrative:

BLANK: at 25C

L1846878-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1846878-02 04/16/25 19:12 • (DUP) R4200727-3 04/16/25 19:12

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Specific Conductance	umhos/cm	umhos/cm		%		%
	1720	1710	1	0.524		20

Sample Narrative:

OS: at 25C
DUP: at 25C

L1847244-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1847244-01 04/16/25 19:12 • (DUP) R4200727-4 04/16/25 19:12

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Specific Conductance	umhos/cm	umhos/cm		%		%
	3250	3240	1	0.308		20

Sample Narrative:

OS: at 25C
DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4200727-2 04/16/25 19:12

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Specific Conductance	umhos/cm	umhos/cm	%	%	
	1130	1090	96.5	85.0-115	

Sample Narrative:

LCS: at 25C



Method Blank (MB)

(MB) R4202018-1 04/19/25 10:07

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

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

(LCS) R4202018-2 04/19/25 10:10 • (LCSD) R4202018-3 04/19/25 10:13

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	1.12	1.15	112	115	80.0-120			2.58	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4201895-1 04/18/25 20:57

Analyte	MB Result mg/l	<u>MB Qualifier</u>	MB MDL mg/l	MB RDL mg/l
Hot Water Sol. Boron	ND		0.0167	0.200

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

(LCS) R4201895-2 04/18/25 20:58 • (LCSD) R4201895-3 04/18/25 21:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Hot Water Sol. Boron	1.00	1.03	1.04	103	104	80.0-120			1.35	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4202029-1 04/19/25 11:01

Analyte	MB Result mg/l	<u>MB Qualifier</u>	MB MDL mg/l	MB RDL mg/l
Hot Water Sol. Boron	ND		0.0167	0.200

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

(LCS) R4202029-2 04/19/25 11:03 • (LCSD) R4202029-3 04/19/25 11:05

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Hot Water Sol. Boron	1.00	1.02	1.04	102	104	80.0-120			1.86	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4202075-1 04/19/25 13:07

Analyte	MB Result mg/l	<u>MB Qualifier</u>	MB MDL mg/l	MB RDL mg/l
Hot Water Sol. Boron	ND		0.0167	0.200

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

(LCS) R4202075-2 04/19/25 13:09 • (LCSD) R4202075-3 04/19/25 13:10

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Hot Water Sol. Boron	1.00	1.05	1.06	105	106	80.0-120			1.18	20

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

Method Blank (MB)

(MB) R4200926-1 04/17/25 10:23

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	ND		0.100	1.00
Barium	ND		0.152	2.50
Cadmium	ND		0.0855	1.00
Copper	ND		0.133	5.00
Lead	ND		0.0990	2.00
Nickel	ND		0.197	2.50
Selenium	ND		0.180	2.50
Silver	ND		0.0865	0.500
Zinc	ND		0.740	25.0

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

Laboratory Control Sample (LCS)

(LCS) R4200926-2 04/17/25 10:26

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	95.1	95.1	80.0-120	
Barium	100	91.4	91.4	80.0-120	
Cadmium	100	95.3	95.3	80.0-120	
Copper	100	94.2	94.2	80.0-120	
Lead	100	93.1	93.1	80.0-120	
Nickel	100	97.7	97.7	80.0-120	
Selenium	100	93.0	93.0	80.0-120	
Silver	20.0	19.1	95.6	80.0-120	
Zinc	100	94.0	94.0	80.0-120	

⁷Gl

⁸Al

⁹Sc

L1847567-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1847567-03 04/17/25 10:29 • (MS) R4200926-5 04/17/25 10:39 • (MSD) R4200926-6 04/17/25 10:42

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	0.440	89.7	90.8	89.3	90.3	5	75.0-125			1.16	20
Barium	100	15.2	107	104	91.9	88.6	5	75.0-125			3.12	20
Cadmium	100	ND	90.6	92.8	90.6	92.8	5	75.0-125			2.44	20
Copper	100	1.82	91.4	92.3	89.6	90.5	5	75.0-125			0.986	20
Lead	100	2.77	91.8	92.4	89.0	89.6	5	75.0-125			0.633	20
Nickel	100	1.94	92.9	94.0	91.0	92.1	5	75.0-125			1.19	20
Selenium	100	ND	88.6	91.9	88.6	91.9	5	75.0-125			3.68	20
Silver	20.0	ND	18.2	18.6	91.2	93.2	5	75.0-125			2.17	20
Zinc	100	7.78	99.2	98.2	91.5	90.4	5	75.0-125			1.04	20

Method Blank (MB)

(MB) R4201030-1 04/17/25 12:05

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	ND		0.100	1.00
Barium	ND		0.152	2.50
Cadmium	ND		0.0855	1.00
Copper	ND		0.133	5.00
Lead	ND		0.0990	2.00
Nickel	ND		0.197	2.50
Selenium	ND		0.180	2.50
Silver	ND		0.0865	0.500
Zinc	ND		0.740	25.0

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

Laboratory Control Sample (LCS)

(LCS) R4201030-2 04/17/25 12:08

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	106	106	80.0-120	
Barium	100	96.3	96.3	80.0-120	
Cadmium	100	101	101	80.0-120	
Copper	100	106	106	80.0-120	
Lead	100	98.4	98.4	80.0-120	
Nickel	100	104	104	80.0-120	
Selenium	100	99.7	99.7	80.0-120	
Silver	20.0	20.5	103	80.0-120	
Zinc	100	102	102	80.0-120	

⁷Gl

⁸Al

⁹Sc

L1847252-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1847252-07 04/17/25 12:22 • (MS) R4201030-5 04/17/25 12:31 • (MSD) R4201030-6 04/17/25 12:35

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	5.76	112	111	107	105	5	75.0-125			1.11	20
Barium	100	297	538	425	241	128	5	75.0-125	J5	J3 J5	23.6	20
Cadmium	100	0.338	97.5	101	97.2	101	5	75.0-125			3.76	20
Copper	100	15.3	115	114	99.7	98.8	5	75.0-125			0.739	20
Lead	100	11.4	109	108	97.1	96.7	5	75.0-125			0.353	20
Nickel	100	17.2	121	116	104	99.1	5	75.0-125			4.09	20
Selenium	100	0.693	98.2	99.3	97.5	98.6	5	75.0-125			1.15	20
Silver	20.0	ND	19.8	20.3	98.8	101	5	75.0-125			2.52	20
Zinc	100	53.5	163	154	109	100	5	75.0-125			5.50	20

Method Blank (MB)

(MB) R4202427-2 04/19/25 11:52

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	0.0236	↓	0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	99.8			77.0-120

Laboratory Control Sample (LCS)

(LCS) R4202427-1 04/19/25 11:05

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	5.36	107	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			111	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) R4202298-2 04/20/25 12:02

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	0.0238	↓	0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	100			77.0-120

Laboratory Control Sample (LCS)

(LCS) R4202298-1 04/20/25 11:14

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	4.64	92.8	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			103	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) R4201456-3 04/17/25 09:55

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
Benzene	ND		0.000467	0.00100
Toluene	0.00208	⌵	0.00130	0.00500
Ethylbenzene	ND		0.000737	0.00250
Xylenes, Total	ND		0.000880	0.00650
1,2,4-Trimethylbenzene	ND		0.00158	0.00500
1,3,5-Trimethylbenzene	ND		0.00200	0.00500
(S) Toluene-d8	92.3			75.0-131
(S) 4-Bromofluorobenzene	106			67.0-138
(S) 1,2-Dichloroethane-d4	102			70.0-130

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R4201456-1 04/17/25 08:20 • (LCSD) R4201456-2 04/17/25 08:39

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	0.134	0.143	107	114	70.0-123			6.50	20
Toluene	0.125	0.114	0.123	91.2	98.4	75.0-121			7.59	20
Ethylbenzene	0.125	0.109	0.120	87.2	96.0	74.0-126			9.61	20
Xylenes, Total	0.375	0.325	0.351	86.7	93.6	72.0-127			7.69	20
1,2,4-Trimethylbenzene	0.125	0.118	0.123	94.4	98.4	70.0-126			4.15	20
1,3,5-Trimethylbenzene	0.125	0.118	0.122	94.4	97.6	73.0-127			3.33	20
(S) Toluene-d8				93.0	94.6	75.0-131				
(S) 4-Bromofluorobenzene				101	101	67.0-138				
(S) 1,2-Dichloroethane-d4				104	104	70.0-130				

L1847236-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1847236-01 04/17/25 11:42 • (MS) R4201456-4 04/17/25 16:48 • (MSD) R4201456-5 04/17/25 17:07

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	0.159	0.157	127	126	1	10.0-149			1.27	37
Toluene	0.125	ND	0.133	0.132	106	106	1	10.0-156			0.755	38
Ethylbenzene	0.125	ND	0.134	0.131	107	105	1	10.0-160			2.26	38
Xylenes, Total	0.375	ND	0.392	0.391	105	104	1	10.0-160			0.255	38
1,2,4-Trimethylbenzene	0.125	ND	0.141	0.140	113	112	1	10.0-160			0.712	36
1,3,5-Trimethylbenzene	0.125	ND	0.136	0.133	109	106	1	10.0-160			2.23	38
(S) Toluene-d8					91.2	91.5		75.0-131				
(S) 4-Bromofluorobenzene					103	104		67.0-138				
(S) 1,2-Dichloroethane-d4					104	102		70.0-130				

Method Blank (MB)

(MB) R4202862-3 04/17/25 23:47

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
Benzene	ND		0.000467	0.00100
Toluene	0.00300	U	0.00130	0.00500
Ethylbenzene	ND		0.000737	0.00250
Xylenes, Total	ND		0.000880	0.00650
1,2,4-Trimethylbenzene	ND		0.00158	0.00500
1,3,5-Trimethylbenzene	ND		0.00200	0.00500
(S) Toluene-d8	111			75.0-131
(S) 4-Bromofluorobenzene	104			67.0-138
(S) 1,2-Dichloroethane-d4	82.9			70.0-130

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

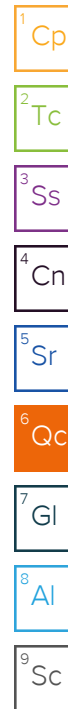
(LCS) R4202862-1 04/17/25 22:06 • (LCSD) R4202862-2 04/17/25 22:26

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	0.106	0.104	84.8	83.2	70.0-123			1.90	20
Toluene	0.125	0.127	0.126	102	101	75.0-121			0.791	20
Ethylbenzene	0.125	0.135	0.131	108	105	74.0-126			3.01	20
Xylenes, Total	0.375	0.400	0.397	107	106	72.0-127			0.753	20
1,2,4-Trimethylbenzene	0.125	0.106	0.106	84.8	84.8	70.0-126			0.000	20
1,3,5-Trimethylbenzene	0.125	0.104	0.103	83.2	82.4	73.0-127			0.966	20
(S) Toluene-d8				108	109	75.0-131				
(S) 4-Bromofluorobenzene				103	105	67.0-138				
(S) 1,2-Dichloroethane-d4				83.4	84.4	70.0-130				

L1847252-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1847252-04 04/18/25 01:05 • (MS) R4202862-4 04/18/25 07:08 • (MSD) R4202862-5 04/18/25 07:28

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	0.0877	0.0978	70.2	78.2	1	10.0-149			10.9	37
Toluene	0.125	ND	0.102	0.113	81.6	90.4	1	10.0-156			10.2	38
Ethylbenzene	0.125	ND	0.105	0.118	84.0	94.4	1	10.0-160			11.7	38
Xylenes, Total	0.375	ND	0.315	0.350	84.0	93.3	1	10.0-160			10.5	38
1,2,4-Trimethylbenzene	0.125	ND	0.0857	0.0934	68.6	74.7	1	10.0-160			8.60	36
1,3,5-Trimethylbenzene	0.125	ND	0.0903	0.0943	72.2	75.4	1	10.0-160			4.33	38
(S) Toluene-d8					108	110		75.0-131				
(S) 4-Bromofluorobenzene					102	103		67.0-138				
(S) 1,2-Dichloroethane-d4					87.4	87.8		70.0-130				



Method Blank (MB)

(MB) R4201942-1 04/18/25 17:32

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	ND		1.61	4.00
C28-C36 Motor Oil Range	ND		0.274	4.00
(S) o-Terphenyl	77.9			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4201942-2 04/18/25 17:45

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	38.4	76.8	50.0-150	
(S) o-Terphenyl			89.8	18.0-148	

L1847254-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1847254-04 04/18/25 19:56 • (MS) R4201942-3 04/18/25 20:09 • (MSD) R4201942-4 04/18/25 20:22

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	49.2	2.52	35.1	36.1	66.2	68.7	1	50.0-150			2.81	20
(S) o-Terphenyl					71.3	73.9		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) R4201961-2 04/18/25 13:50

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	ND		0.00162	0.00600
Anthracene	ND		0.00163	0.00600
Benzo(a)anthracene	ND		0.00200	0.00600
Benzo(b)fluoranthene	ND		0.00275	0.00600
Benzo(k)fluoranthene	ND		0.00213	0.00600
Benzo(a)pyrene	ND		0.00163	0.00600
Chrysene	ND		0.00206	0.00600
Dibenz(a,h)anthracene	ND		0.00201	0.00600
Fluoranthene	ND		0.00239	0.00600
Fluorene	ND		0.00180	0.00600
Indeno(1,2,3-cd)pyrene	ND		0.00234	0.00600
1-Methylnaphthalene	ND		0.00219	0.0200
2-Methylnaphthalene	ND		0.00571	0.0200
Naphthalene	ND		0.00579	0.0200
Pyrene	ND		0.00205	0.00600
(S) p-Terphenyl-d14	98.1			23.0-120
(S) Nitrobenzene-d5	90.6			14.0-149
(S) 2-Fluorobiphenyl	85.6			34.0-125

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4201961-1 04/18/25 13:32

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.0800	0.0644	80.5	50.0-120	
Anthracene	0.0800	0.0668	83.5	50.0-126	
Benzo(a)anthracene	0.0800	0.0718	89.8	45.0-120	
Benzo(b)fluoranthene	0.0800	0.0753	94.1	42.0-121	
Benzo(k)fluoranthene	0.0800	0.0747	93.4	49.0-125	
Benzo(a)pyrene	0.0800	0.0707	88.4	42.0-120	
Chrysene	0.0800	0.0721	90.1	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0774	96.8	47.0-125	
Fluoranthene	0.0800	0.0761	95.1	49.0-129	
Fluorene	0.0800	0.0717	89.6	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0755	94.4	46.0-125	
1-Methylnaphthalene	0.0800	0.0754	94.3	51.0-121	
2-Methylnaphthalene	0.0800	0.0723	90.4	50.0-120	
Naphthalene	0.0800	0.0714	89.3	50.0-120	
Pyrene	0.0800	0.0689	86.1	43.0-123	

Laboratory Control Sample (LCS)

(LCS) R4201961-1 04/18/25 13:32

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) p-Terphenyl-d14			114	23.0-120	
(S) Nitrobenzene-d5			121	14.0-149	
(S) 2-Fluorobiphenyl			106	34.0-125	

L1847244-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1847244-05 04/18/25 14:07 • (MS) R4201961-3 04/18/25 14:25 • (MSD) R4201961-4 04/18/25 14:42

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.0796	ND	0.0583	0.0583	73.2	74.7	1	14.0-127			0.000	27
Anthracene	0.0796	ND	0.0606	0.0616	76.1	79.0	1	10.0-145			1.64	30
Benzo(a)anthracene	0.0796	ND	0.0638	0.0650	80.2	83.3	1	10.0-139			1.86	30
Benzo(b)fluoranthene	0.0796	ND	0.0675	0.0632	84.8	81.0	1	10.0-140			6.58	36
Benzo(k)fluoranthene	0.0796	ND	0.0652	0.0632	81.9	81.0	1	10.0-137			3.12	31
Benzo(a)pyrene	0.0796	ND	0.0654	0.0662	82.2	84.9	1	10.0-141			1.22	31
Chrysene	0.0796	ND	0.0656	0.0652	82.4	83.6	1	10.0-145			0.612	30
Dibenz(a,h)anthracene	0.0796	ND	0.0696	0.0658	87.4	84.4	1	10.0-132			5.61	31
Fluoranthene	0.0796	ND	0.0697	0.0687	87.6	88.1	1	10.0-153			1.45	33
Fluorene	0.0796	ND	0.0635	0.0629	79.8	80.6	1	11.0-130			0.949	29
Indeno(1,2,3-cd)pyrene	0.0796	ND	0.0675	0.0660	84.8	84.6	1	10.0-137			2.25	32
1-Methylnaphthalene	0.0796	ND	0.0689	0.0680	86.6	87.2	1	10.0-142			1.31	28
2-Methylnaphthalene	0.0796	ND	0.0663	0.0659	83.3	84.5	1	10.0-137			0.605	28
Naphthalene	0.0796	ND	0.0650	0.0647	81.7	82.9	1	10.0-135			0.463	27
Pyrene	0.0796	ND	0.0611	0.0621	76.8	79.6	1	10.0-148			1.62	35
(S) p-Terphenyl-d14					95.2	95.6		23.0-120				
(S) Nitrobenzene-d5					91.7	89.2		14.0-149				
(S) 2-Fluorobiphenyl					85.9	86.7		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

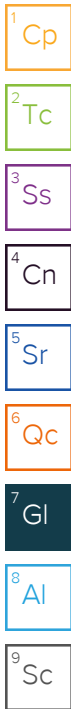
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
T8	Sample(s) received past/too close to holding time expiration.



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.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Company Name/Address: Civitas/Tasman - CO 4725 Independence St, Wheat Ridge, Colorado 80033		Billing Information: Accounts Payable 650 Southgate Dr. Windsor, CO 80550		Pres Chk	Analysis / Container / Preservative					Chain of Custody Page <u>1</u> of <u>1</u>	
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Project Manager: Sam Vogt / Jacob Evans		Email: svogt@tasman-geo.com jevens@civitasresources.com	
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Project Name: Baker 6-4, 4-2, 31, 32-27			Please Circle: PT <input checked="" type="radio"/> CT ET	
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Phone: 610-405-9078	Lab Project #:	AFE# or C/C: 244652, 244653, 244659, 244660
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Collected by (print): Dan Tyson	Site/Facility ID #:	Billing Code #: 8523, 196
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Collected by (signature): <i>[Signature]</i>	Rush? (Lab MUST Be Notified) <input type="checkbox"/> Same Day <input type="checkbox"/> Five Day <input type="checkbox"/> Next Day <input type="checkbox"/> 5 Day (Rad Only) <input type="checkbox"/> Two Day <input type="checkbox"/> 10 Day (Rad Only) <input type="checkbox"/> Three Day	Quote # STD	Date Results Needed STD
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Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	# of Containers	Full TABLE915 8ozClr-NoPres	Background TABLE15 8ozClr-NoPres	V8260 (GW TABLE915) 40mL Amb-HCl	Chloride, Sulfate 125mL HDPE-NoPres	TDS 1L-HDPE-NoPres	Remarks	Sample # (lab only)
6-4-WH-B01@6'	Grab	SS	6'	4/24/25	1430	2	X						-01
4-2-WH-B01@6'					1435								-02
31-WH-B01@6'					1440								-03
32-WH-B01@6'			↓		1445								-04
6-4-FL-B01@5'			5'		1545								-05
4-2-FL-B01@5'			↓		1550								-06
31-FL-B01@5'			↓		1555								-07
32-FL-B01@5'			↓		1600								-08
SP-C041	Comp	↓	—		1605	↓	↓						-09

* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Blossay WW - WasteWater DW - Drinking Water OT - Other _____	Remarks: pH, EC, SAR by saturated paste preparation method Boron by hot water soluble preparation method Table 915-1 Metals - As, Ba, Cd, Cu, Pb, Ni, Se, Ag, Zn, Cr VI	pH _____ Temp _____ Flow _____ Other _____	Sample Receipt Checklist COC Seal Present/Intact: <input checked="" type="checkbox"/> NP <input type="checkbox"/> N COC Signed/Accurate: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Bottles arrive intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Correct bottles used: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Sufficient volume sent: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N If Applicable VOA Zero Headspace: <input type="checkbox"/> Y <input type="checkbox"/> N Preservation Correct/Checked: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N RAD Screen <0.5 mR/hr: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N
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Relinquished by: (Signature) <i>[Signature]</i>	Date: 4/24/2025	Time: 1800	Received by: (Signature) Sara Connor	Trip Blank Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	HCL / MeoH TBR
Relinquished by: (Signature) Sara Connor	Date: 4/11/25	Time: 1800	Received by: (Signature) SWA Corp	Temp: _____ °C Bottles Received: 18	If preservation required by Login: Date/Time
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) Carl Burkfield	Date: 4/10/25 Time: 11:45	Hold: _____ Condition: <input checked="" type="checkbox"/> NCF <input type="checkbox"/> OK

PN000