

Chevron - CO

Sample Delivery Group: L1874353
Samples Received: 06/28/2025
Project Number: 0736294
Description: Chevron RBU/STORER A 12-2
Site: 123-23275
Report To: Nathan Champlin
2115 117th Avenue
Greeley, CO 80631

Entire Report Reviewed By:



Chris Ward
Project Manager

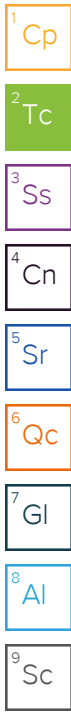
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Pace Analytical National

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TABLE OF CONTENTS

Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	5
Sr: Sample Results	6
33867-FL-01-SO-4-20250627 L1874353-01	6
33867-FL-02-SO-4-20250627 L1874353-02	8
33867-FL-03-SO-4-20250627 L1874353-03	10
33867-FL-04-SO-4-20250627 L1874353-04	12
33867-FL-05-SO-4-20250627 L1874353-05	14
33867-FL-06-SO-4-20250627 L1874353-06	16
33867-FL-07-SO-4-20250627 L1874353-07	18
Qc: Quality Control Summary	20
Wet Chemistry by Method 7199	20
Wet Chemistry by Method 9045D (S-1.10)	22
Wet Chemistry by Method 9050AMod (S-1.20)	23
Metals (ICP) by Method 6010D (S-7.10)	24
Metals (ICPMS) by Method 6020B	25
Volatile Organic Compounds (GC) by Method 8015D	27
Volatile Organic Compounds (GC/MS) by Method 8260D	29
Semi-Volatile Organic Compounds (GC) by Method 8015M	30
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	32
Gl: Glossary of Terms	34
Al: Accreditations & Locations	35
Sc: Sample Chain of Custody	36



SAMPLE SUMMARY

33867-FL-01-SO-4-20250627 L1874353-01

Collected by:
 Collected date/time: 06/27/25 09:50
 Received date/time: 06/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2552887	1	07/08/25 17:14	07/08/25 17:14	NMM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2555088	1	07/22/25 07:00	07/24/25 13:49	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2555481	1	07/08/25 16:18	07/09/25 09:23	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2555493	1	07/08/25 16:20	07/09/25 19:45	ARD	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2552947	1	07/08/25 12:34	07/09/25 16:20	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2553671	5	07/06/25 14:48	07/26/25 13:57	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2551989	1	07/02/25 08:45	07/03/25 03:31	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2552201	1	07/02/25 08:45	07/03/25 15:36	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2554449	1	07/08/25 07:21	07/08/25 12:46	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2554485	1	07/08/25 06:07	07/09/25 04:18	KB	Mt. Juliet, TN

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

33867-FL-02-SO-4-20250627 L1874353-02

Collected by:
 Collected date/time: 06/27/25 09:45
 Received date/time: 06/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2552887	1	07/08/25 17:16	07/08/25 17:16	NMM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2555088	1	07/22/25 07:00	07/24/25 13:58	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2555481	1	07/08/25 16:18	07/09/25 09:23	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2555493	1	07/08/25 16:20	07/09/25 19:45	ARD	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2552947	1	07/08/25 12:34	07/09/25 16:23	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2553671	5	07/06/25 14:48	07/26/25 14:00	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2551989	1	07/02/25 08:45	07/03/25 03:54	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2552201	1	07/02/25 08:45	07/03/25 15:55	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2554449	1	07/08/25 07:21	07/08/25 12:08	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2554485	1	07/08/25 06:07	07/09/25 04:36	KB	Mt. Juliet, TN

33867-FL-03-SO-4-20250627 L1874353-03

Collected by:
 Collected date/time: 06/27/25 10:05
 Received date/time: 06/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2552887	1	07/08/25 17:18	07/08/25 17:18	NMM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2555088	1	07/22/25 07:00	07/24/25 14:07	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2555481	1	07/08/25 16:18	07/09/25 09:23	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2555493	1	07/08/25 16:20	07/09/25 19:45	ARD	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2552947	1	07/08/25 12:34	07/09/25 17:08	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2553671	5	07/06/25 14:48	07/26/25 14:03	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2551989	1	07/02/25 08:45	07/03/25 06:03	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2552201	1	07/02/25 08:45	07/03/25 16:13	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2554449	1	07/08/25 07:21	07/08/25 13:24	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2554485	1	07/08/25 06:07	07/09/25 04:54	KB	Mt. Juliet, TN

33867-FL-04-SO-4-20250627 L1874353-04

Collected by:
 Collected date/time: 06/27/25 10:20
 Received date/time: 06/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2552887	1	07/08/25 17:19	07/08/25 17:19	NMM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2555088	.106	07/22/25 07:00	07/24/25 14:16	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2555481	1	07/08/25 16:18	07/09/25 09:23	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2555493	1	07/08/25 16:20	07/09/25 19:45	ARD	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2552947	1	07/08/25 12:34	07/09/25 17:11	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2553670	5	07/06/25 15:13	07/24/25 21:08	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2551989	1	07/02/25 08:45	07/03/25 06:27	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2552201	1	07/02/25 08:45	07/03/25 16:32	JAH	Mt. Juliet, TN

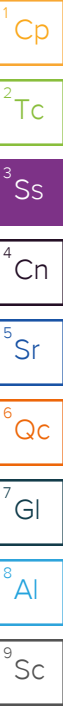
SAMPLE SUMMARY

33867-FL-04-SO-4-20250627 L1874353-04

Collected by
Collected date/time
Received date/time

06/27/25 10:20 06/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2554449	1	07/08/25 07:21	07/08/25 14:53	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2554485	1	07/08/25 06:07	07/09/25 05:12	KB	Mt. Juliet, TN



33867-FL-05-SO-4-20250627 L1874353-05

Collected by
Collected date/time
Received date/time

06/27/25 10:20 06/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2552887	1	07/08/25 17:24	07/08/25 17:24	NMM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2555088	1	07/22/25 07:00	07/24/25 14:25	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2555481	1	07/08/25 16:18	07/09/25 09:23	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2555493	1	07/08/25 16:20	07/09/25 19:45	ARD	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2552947	1	07/08/25 12:34	07/09/25 17:14	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2553670	5	07/06/25 15:13	07/24/25 21:11	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2552689	1	07/02/25 08:45	07/04/25 19:38	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2552201	1	07/02/25 08:45	07/03/25 16:51	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2554449	1	07/08/25 07:21	07/08/25 13:24	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2554485	1	07/08/25 06:07	07/09/25 05:29	KB	Mt. Juliet, TN

33867-FL-06-SO-4-20250627 L1874353-06

Collected by
Collected date/time
Received date/time

06/27/25 09:55 06/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2552887	1	07/08/25 17:26	07/08/25 17:26	NMM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2555088	1	07/22/25 07:00	07/24/25 14:33	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2555481	1	07/08/25 16:18	07/09/25 09:23	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2555493	1	07/08/25 16:20	07/09/25 19:45	ARD	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2552947	1	07/08/25 12:34	07/09/25 17:17	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2553670	5	07/06/25 15:13	07/24/25 21:14	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2551989	1	07/02/25 08:45	07/03/25 07:39	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2552201	1	07/02/25 08:45	07/03/25 17:10	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2556013	1.49	07/09/25 21:44	07/10/25 11:43	PS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2554485	1	07/08/25 06:07	07/09/25 05:47	KB	Mt. Juliet, TN

33867-FL-07-SO-4-20250627 L1874353-07

Collected by
Collected date/time
Received date/time

06/27/25 09:35 06/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2552887	1	07/08/25 17:28	07/08/25 17:28	NMM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2555084	1	07/18/25 13:27	07/22/25 23:22	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2555481	1	07/08/25 16:18	07/09/25 09:23	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2555493	1	07/08/25 16:20	07/09/25 19:45	ARD	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2552947	1	07/08/25 12:34	07/09/25 17:20	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2553670	5	07/06/25 15:13	07/24/25 21:17	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2551989	1	07/02/25 08:45	07/03/25 08:02	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2552201	1	07/02/25 08:45	07/03/25 17:28	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2556013	1	07/09/25 21:44	07/10/25 11:56	PS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2554485	1	07/08/25 06:07	07/09/25 06:05	KB	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

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	3.03		1	07/08/2025 17:14	WG2552887

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	07/24/2025 13:49	WG2555088

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.86		1	07/09/2025 09:23	WG2555481

Sample Narrative:

L1874353-01 WG2555481: 7.86 at 22.8C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1.42	mmhos/cm		0.0100	1	07/09/2025 19:45	WG2555493

Sample Narrative:

L1874353-01 WG2555493: at 25C

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

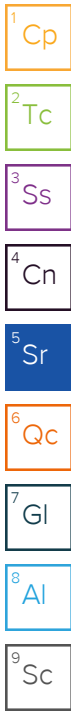
Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.100	1	07/09/2025 16:20	WG2552947

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.24		0.100	5	07/26/2025 13:57	WG2553671
Barium	67.2		10.0	5	07/26/2025 13:57	WG2553671
Cadmium	0.108		0.100	5	07/26/2025 13:57	WG2553671
Copper	ND		10.0	5	07/26/2025 13:57	WG2553671
Lead	ND		10.0	5	07/26/2025 13:57	WG2553671
Nickel	ND		10.0	5	07/26/2025 13:57	WG2553671
Selenium	0.221		0.100	5	07/26/2025 13:57	WG2553671
Silver	ND		0.500	5	07/26/2025 13:57	WG2553671
Zinc	ND		50.0	5	07/26/2025 13:57	WG2553671

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	07/03/2025 03:31	WG2551989
(S) a, a, a-Trifluorotoluene(FID)	95.0		77.0-120		07/03/2025 03:31	WG2551989



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	07/03/2025 15:36	WG2552201
Ethylbenzene	ND		0.0100	1	07/03/2025 15:36	WG2552201
Toluene	ND		0.0100	1	07/03/2025 15:36	WG2552201
1,2,4-Trimethylbenzene	ND		0.00500	1	07/03/2025 15:36	WG2552201
1,3,5-Trimethylbenzene	ND		0.00500	1	07/03/2025 15:36	WG2552201
Xylenes, Total	ND		0.100	1	07/03/2025 15:36	WG2552201
(S) Toluene-d8	93.9		75.0-131		07/03/2025 15:36	WG2552201
(S) 4-Bromofluorobenzene	104		67.0-138		07/03/2025 15:36	WG2552201
(S) 1,2-Dichloroethane-d4	115		70.0-130		07/03/2025 15:36	WG2552201

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	07/08/2025 12:46	WG2554449
C28-C36 Motor Oil Range	ND		4.00	1	07/08/2025 12:46	WG2554449
(S) o-Terphenyl	55.1		18.0-148		07/08/2025 12:46	WG2554449

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	07/09/2025 04:18	WG2554485
Acenaphthene	ND		0.0330	1	07/09/2025 04:18	WG2554485
Acenaphthylene	ND		0.0330	1	07/09/2025 04:18	WG2554485
Benzo(a)anthracene	ND		0.00600	1	07/09/2025 04:18	WG2554485
Benzo(a)pyrene	ND		0.0330	1	07/09/2025 04:18	WG2554485
Benzo(b)fluoranthene	ND		0.0330	1	07/09/2025 04:18	WG2554485
Benzo(g,h,i)perylene	ND		0.0330	1	07/09/2025 04:18	WG2554485
Benzo(k)fluoranthene	ND		0.0330	1	07/09/2025 04:18	WG2554485
Chrysene	ND		0.0330	1	07/09/2025 04:18	WG2554485
Dibenz(a,h)anthracene	ND		0.0330	1	07/09/2025 04:18	WG2554485
Fluoranthene	ND		0.0330	1	07/09/2025 04:18	WG2554485
Fluorene	ND		0.0330	1	07/09/2025 04:18	WG2554485
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	07/09/2025 04:18	WG2554485
Naphthalene	ND		0.00300	1	07/09/2025 04:18	WG2554485
Phenanthrene	ND		0.0330	1	07/09/2025 04:18	WG2554485
Pyrene	ND		0.0330	1	07/09/2025 04:18	WG2554485
1-Methylnaphthalene	ND		0.00300	1	07/09/2025 04:18	WG2554485
2-Methylnaphthalene	ND		0.0120	1	07/09/2025 04:18	WG2554485
(S) p-Terphenyl-d14	72.2		23.0-120		07/09/2025 04:18	WG2554485
(S) Nitrobenzene-d5	70.0		14.0-149		07/09/2025 04:18	WG2554485
(S) 2-Fluorobiphenyl	61.4		34.0-125		07/09/2025 04:18	WG2554485

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	1.63		1	07/08/2025 17:16	WG2552887

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	07/24/2025 13:58	WG2555088

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.30		1	07/09/2025 09:23	WG2555481

Sample Narrative:

L1874353-02 WG2555481: 8.3 at 22.7C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.454	mmhos/cm		0.0100	1	07/09/2025 19:45	WG2555493

Sample Narrative:

L1874353-02 WG2555493: at 25C

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

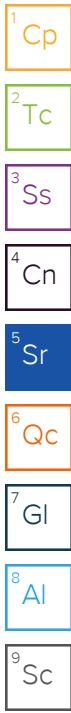
Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.100	1	07/09/2025 16:23	WG2552947

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Arsenic	2.89		0.100	5	07/26/2025 14:00	WG2553671
Barium	73.5		10.0	5	07/26/2025 14:00	WG2553671
Cadmium	ND		0.100	5	07/26/2025 14:00	WG2553671
Copper	ND		10.0	5	07/26/2025 14:00	WG2553671
Lead	ND		10.0	5	07/26/2025 14:00	WG2553671
Nickel	ND		10.0	5	07/26/2025 14:00	WG2553671
Selenium	0.247		0.100	5	07/26/2025 14:00	WG2553671
Silver	ND		0.500	5	07/26/2025 14:00	WG2553671
Zinc	ND		50.0	5	07/26/2025 14:00	WG2553671

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	07/03/2025 03:54	WG2551989
(S) a, a, a-Trifluorotoluene(FID)	95.1		77.0-120		07/03/2025 03:54	WG2551989



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	07/03/2025 15:55	WG2552201
Ethylbenzene	ND		0.0100	1	07/03/2025 15:55	WG2552201
Toluene	ND		0.0100	1	07/03/2025 15:55	WG2552201
1,2,4-Trimethylbenzene	ND		0.00500	1	07/03/2025 15:55	WG2552201
1,3,5-Trimethylbenzene	ND		0.00500	1	07/03/2025 15:55	WG2552201
Xylenes, Total	ND		0.100	1	07/03/2025 15:55	WG2552201
(S) Toluene-d8	96.4		75.0-131		07/03/2025 15:55	WG2552201
(S) 4-Bromofluorobenzene	106		67.0-138		07/03/2025 15:55	WG2552201
(S) 1,2-Dichloroethane-d4	114		70.0-130		07/03/2025 15:55	WG2552201

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	07/08/2025 12:08	WG2554449
C28-C36 Motor Oil Range	ND		4.00	1	07/08/2025 12:08	WG2554449
(S) o-Terphenyl	53.5		18.0-148		07/08/2025 12:08	WG2554449

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	07/09/2025 04:36	WG2554485
Acenaphthene	ND		0.0330	1	07/09/2025 04:36	WG2554485
Acenaphthylene	ND		0.0330	1	07/09/2025 04:36	WG2554485
Benzo(a)anthracene	ND		0.00600	1	07/09/2025 04:36	WG2554485
Benzo(a)pyrene	ND		0.0330	1	07/09/2025 04:36	WG2554485
Benzo(b)fluoranthene	ND		0.0330	1	07/09/2025 04:36	WG2554485
Benzo(g,h,i)perylene	ND		0.0330	1	07/09/2025 04:36	WG2554485
Benzo(k)fluoranthene	ND		0.0330	1	07/09/2025 04:36	WG2554485
Chrysene	ND		0.0330	1	07/09/2025 04:36	WG2554485
Dibenz(a,h)anthracene	ND		0.0330	1	07/09/2025 04:36	WG2554485
Fluoranthene	ND		0.0330	1	07/09/2025 04:36	WG2554485
Fluorene	ND		0.0330	1	07/09/2025 04:36	WG2554485
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	07/09/2025 04:36	WG2554485
Naphthalene	ND		0.00300	1	07/09/2025 04:36	WG2554485
Phenanthrene	ND		0.0330	1	07/09/2025 04:36	WG2554485
Pyrene	ND		0.0330	1	07/09/2025 04:36	WG2554485
1-Methylnaphthalene	ND		0.00300	1	07/09/2025 04:36	WG2554485
2-Methylnaphthalene	ND		0.0120	1	07/09/2025 04:36	WG2554485
(S) p-Terphenyl-d14	71.4		23.0-120		07/09/2025 04:36	WG2554485
(S) Nitrobenzene-d5	77.0		14.0-149		07/09/2025 04:36	WG2554485
(S) 2-Fluorobiphenyl	64.4		34.0-125		07/09/2025 04:36	WG2554485

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	2.42		1	07/08/2025 17:18	WG2552887

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.213		0.200	1	07/24/2025 14:07	WG2555088

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	7.99		1	07/09/2025 09:23	WG2555481

Sample Narrative:

L1874353-03 WG2555481: 7.99 at 22.7C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1.33	mmhos/cm		0.0100	1	07/09/2025 19:45	WG2555493

Sample Narrative:

L1874353-03 WG2555493: at 25C

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.100	1	07/09/2025 17:08	WG2552947

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Arsenic	3.27		0.100	5	07/26/2025 14:03	WG2553671
Barium	67.1		10.0	5	07/26/2025 14:03	WG2553671
Cadmium	ND		0.100	5	07/26/2025 14:03	WG2553671
Copper	ND		10.0	5	07/26/2025 14:03	WG2553671
Lead	ND		10.0	5	07/26/2025 14:03	WG2553671
Nickel	ND		10.0	5	07/26/2025 14:03	WG2553671
Selenium	0.277		0.100	5	07/26/2025 14:03	WG2553671
Silver	ND		0.500	5	07/26/2025 14:03	WG2553671
Zinc	ND		50.0	5	07/26/2025 14:03	WG2553671

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	07/03/2025 06:03	WG2551989
(S) a, a, a-Trifluorotoluene(FID)	95.9		77.0-120		07/03/2025 06:03	WG2551989



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	07/03/2025 16:13	WG2552201
Ethylbenzene	ND		0.0100	1	07/03/2025 16:13	WG2552201
Toluene	ND		0.0100	1	07/03/2025 16:13	WG2552201
1,2,4-Trimethylbenzene	ND		0.00500	1	07/03/2025 16:13	WG2552201
1,3,5-Trimethylbenzene	ND		0.00500	1	07/03/2025 16:13	WG2552201
Xylenes, Total	ND		0.100	1	07/03/2025 16:13	WG2552201
(S) Toluene-d8	93.2		75.0-131		07/03/2025 16:13	WG2552201
(S) 4-Bromofluorobenzene	104		67.0-138		07/03/2025 16:13	WG2552201
(S) 1,2-Dichloroethane-d4	115		70.0-130		07/03/2025 16:13	WG2552201

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	07/08/2025 13:24	WG2554449
C28-C36 Motor Oil Range	ND		4.00	1	07/08/2025 13:24	WG2554449
(S) o-Terphenyl	60.2		18.0-148		07/08/2025 13:24	WG2554449

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	07/09/2025 04:54	WG2554485
Acenaphthene	ND		0.0330	1	07/09/2025 04:54	WG2554485
Acenaphthylene	ND		0.0330	1	07/09/2025 04:54	WG2554485
Benzo(a)anthracene	ND		0.00600	1	07/09/2025 04:54	WG2554485
Benzo(a)pyrene	ND		0.0330	1	07/09/2025 04:54	WG2554485
Benzo(b)fluoranthene	ND		0.0330	1	07/09/2025 04:54	WG2554485
Benzo(g,h,i)perylene	ND		0.0330	1	07/09/2025 04:54	WG2554485
Benzo(k)fluoranthene	ND		0.0330	1	07/09/2025 04:54	WG2554485
Chrysene	ND		0.0330	1	07/09/2025 04:54	WG2554485
Dibenz(a,h)anthracene	ND		0.0330	1	07/09/2025 04:54	WG2554485
Fluoranthene	ND		0.0330	1	07/09/2025 04:54	WG2554485
Fluorene	ND		0.0330	1	07/09/2025 04:54	WG2554485
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	07/09/2025 04:54	WG2554485
Naphthalene	ND		0.00300	1	07/09/2025 04:54	WG2554485
Phenanthrene	ND		0.0330	1	07/09/2025 04:54	WG2554485
Pyrene	ND		0.0330	1	07/09/2025 04:54	WG2554485
1-Methylnaphthalene	ND		0.00300	1	07/09/2025 04:54	WG2554485
2-Methylnaphthalene	ND		0.0120	1	07/09/2025 04:54	WG2554485
(S) p-Terphenyl-d14	81.0		23.0-120		07/09/2025 04:54	WG2554485
(S) Nitrobenzene-d5	64.9		14.0-149		07/09/2025 04:54	WG2554485
(S) 2-Fluorobiphenyl	65.1		34.0-125		07/09/2025 04:54	WG2554485

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	1.93		1	07/08/2025 17:19	WG2552887

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.0212	.106	07/24/2025 14:16	WG2555088

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	7.65		1	07/09/2025 09:23	WG2555481

Sample Narrative:

L1874353-04 WG2555481: 7.65 at 22.8C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	3.08	mmhos/cm		0.0100	1	07/09/2025 19:45	WG2555493

Sample Narrative:

L1874353-04 WG2555493: at 25C

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.100	1	07/09/2025 17:11	WG2552947

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Arsenic	2.91		0.100	5	07/24/2025 21:08	WG2553670
Barium	67.0		10.0	5	07/24/2025 21:08	WG2553670
Cadmium	0.103		0.100	5	07/24/2025 21:08	WG2553670
Copper	ND		10.0	5	07/24/2025 21:08	WG2553670
Lead	ND		10.0	5	07/24/2025 21:08	WG2553670
Nickel	ND		10.0	5	07/24/2025 21:08	WG2553670
Selenium	0.289		0.100	5	07/24/2025 21:08	WG2553670
Silver	ND		0.500	5	07/24/2025 21:08	WG2553670
Zinc	ND		50.0	5	07/24/2025 21:08	WG2553670

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	07/03/2025 06:27	WG2551989
(S) a, a, a-Trifluorotoluene(FID)	95.0		77.0-120		07/03/2025 06:27	WG2551989

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 8260D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	07/03/2025 16:32	WG2552201
Ethylbenzene	ND		0.0100	1	07/03/2025 16:32	WG2552201
Toluene	ND		0.0100	1	07/03/2025 16:32	WG2552201
1,2,4-Trimethylbenzene	ND		0.00500	1	07/03/2025 16:32	WG2552201
1,3,5-Trimethylbenzene	ND		0.00500	1	07/03/2025 16:32	WG2552201
Xylenes, Total	ND		0.100	1	07/03/2025 16:32	WG2552201
(S) Toluene-d8	95.8		75.0-131		07/03/2025 16:32	WG2552201
(S) 4-Bromofluorobenzene	106		67.0-138		07/03/2025 16:32	WG2552201
(S) 1,2-Dichloroethane-d4	113		70.0-130		07/03/2025 16:32	WG2552201

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	07/08/2025 14:53	WG2554449
C28-C36 Motor Oil Range	14.2		4.00	1	07/08/2025 14:53	WG2554449
(S) o-Terphenyl	54.6		18.0-148		07/08/2025 14:53	WG2554449

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	07/09/2025 05:12	WG2554485
Acenaphthene	ND		0.0330	1	07/09/2025 05:12	WG2554485
Acenaphthylene	ND		0.0330	1	07/09/2025 05:12	WG2554485
Benzo(a)anthracene	ND		0.00600	1	07/09/2025 05:12	WG2554485
Benzo(a)pyrene	ND		0.0330	1	07/09/2025 05:12	WG2554485
Benzo(b)fluoranthene	ND		0.0330	1	07/09/2025 05:12	WG2554485
Benzo(g,h,i)perylene	ND		0.0330	1	07/09/2025 05:12	WG2554485
Benzo(k)fluoranthene	ND		0.0330	1	07/09/2025 05:12	WG2554485
Chrysene	ND		0.0330	1	07/09/2025 05:12	WG2554485
Dibenz(a,h)anthracene	ND		0.0330	1	07/09/2025 05:12	WG2554485
Fluoranthene	ND		0.0330	1	07/09/2025 05:12	WG2554485
Fluorene	ND		0.0330	1	07/09/2025 05:12	WG2554485
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	07/09/2025 05:12	WG2554485
Naphthalene	ND		0.00300	1	07/09/2025 05:12	WG2554485
Phenanthrene	ND		0.0330	1	07/09/2025 05:12	WG2554485
Pyrene	ND		0.0330	1	07/09/2025 05:12	WG2554485
1-Methylnaphthalene	ND		0.00300	1	07/09/2025 05:12	WG2554485
2-Methylnaphthalene	ND		0.0120	1	07/09/2025 05:12	WG2554485
(S) p-Terphenyl-d14	85.1		23.0-120		07/09/2025 05:12	WG2554485
(S) Nitrobenzene-d5	79.4		14.0-149		07/09/2025 05:12	WG2554485
(S) 2-Fluorobiphenyl	74.3		34.0-125		07/09/2025 05:12	WG2554485

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	3.13		1	07/08/2025 17:24	WG2552887

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	07/24/2025 14:25	WG2555088

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	7.79		1	07/09/2025 09:23	WG2555481

Sample Narrative:

L1874353-05 WG2555481: 7.79 at 22.8C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	3.34	mmhos/cm		0.0100	1	07/09/2025 19:45	WG2555493

Sample Narrative:

L1874353-05 WG2555493: at 25C

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.100	1	07/09/2025 17:14	WG2552947

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Arsenic	3.04		0.100	5	07/24/2025 21:11	WG2553670
Barium	66.3		10.0	5	07/24/2025 21:11	WG2553670
Cadmium	ND		0.100	5	07/24/2025 21:11	WG2553670
Copper	ND		10.0	5	07/24/2025 21:11	WG2553670
Lead	ND		10.0	5	07/24/2025 21:11	WG2553670
Nickel	ND		10.0	5	07/24/2025 21:11	WG2553670
Selenium	0.220		0.100	5	07/24/2025 21:11	WG2553670
Silver	ND		0.500	5	07/24/2025 21:11	WG2553670
Zinc	ND		50.0	5	07/24/2025 21:11	WG2553670

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	07/04/2025 19:38	WG2552689
(S) a, a, a-Trifluorotoluene(FID)	98.6		77.0-120		07/04/2025 19:38	WG2552689

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 8260D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	07/03/2025 16:51	WG2552201
Ethylbenzene	ND		0.0100	1	07/03/2025 16:51	WG2552201
Toluene	ND		0.0100	1	07/03/2025 16:51	WG2552201
1,2,4-Trimethylbenzene	ND		0.00500	1	07/03/2025 16:51	WG2552201
1,3,5-Trimethylbenzene	ND		0.00500	1	07/03/2025 16:51	WG2552201
Xylenes, Total	ND		0.100	1	07/03/2025 16:51	WG2552201
(S) Toluene-d8	97.2		75.0-131		07/03/2025 16:51	WG2552201
(S) 4-Bromofluorobenzene	107		67.0-138		07/03/2025 16:51	WG2552201
(S) 1,2-Dichloroethane-d4	116		70.0-130		07/03/2025 16:51	WG2552201

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	07/08/2025 13:24	WG2554449
C28-C36 Motor Oil Range	ND		4.00	1	07/08/2025 13:24	WG2554449
(S) o-Terphenyl	46.4		18.0-148		07/08/2025 13:24	WG2554449

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	07/09/2025 05:29	WG2554485
Acenaphthene	ND		0.0330	1	07/09/2025 05:29	WG2554485
Acenaphthylene	ND		0.0330	1	07/09/2025 05:29	WG2554485
Benzo(a)anthracene	ND		0.00600	1	07/09/2025 05:29	WG2554485
Benzo(a)pyrene	ND		0.0330	1	07/09/2025 05:29	WG2554485
Benzo(b)fluoranthene	ND		0.0330	1	07/09/2025 05:29	WG2554485
Benzo(g,h,i)perylene	ND		0.0330	1	07/09/2025 05:29	WG2554485
Benzo(k)fluoranthene	ND		0.0330	1	07/09/2025 05:29	WG2554485
Chrysene	ND		0.0330	1	07/09/2025 05:29	WG2554485
Dibenz(a,h)anthracene	ND		0.0330	1	07/09/2025 05:29	WG2554485
Fluoranthene	ND		0.0330	1	07/09/2025 05:29	WG2554485
Fluorene	ND		0.0330	1	07/09/2025 05:29	WG2554485
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	07/09/2025 05:29	WG2554485
Naphthalene	ND		0.00300	1	07/09/2025 05:29	WG2554485
Phenanthrene	ND		0.0330	1	07/09/2025 05:29	WG2554485
Pyrene	ND		0.0330	1	07/09/2025 05:29	WG2554485
1-Methylnaphthalene	ND		0.00300	1	07/09/2025 05:29	WG2554485
2-Methylnaphthalene	ND		0.0120	1	07/09/2025 05:29	WG2554485
(S) p-Terphenyl-d14	70.9		23.0-120		07/09/2025 05:29	WG2554485
(S) Nitrobenzene-d5	83.2		14.0-149		07/09/2025 05:29	WG2554485
(S) 2-Fluorobiphenyl	67.4		34.0-125		07/09/2025 05:29	WG2554485

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	3.33		1	07/08/2025 17:26	WG2552887

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.248		0.200	1	07/24/2025 14:33	WG2555088

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.15		1	07/09/2025 09:23	WG2555481

Sample Narrative:

L1874353-06 WG2555481: 8.15 at 22.6C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1.65	mmhos/cm		0.0100	1	07/09/2025 19:45	WG2555493

Sample Narrative:

L1874353-06 WG2555493: at 25C

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

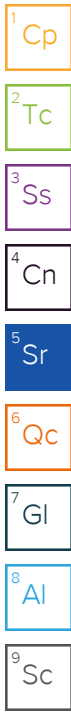
Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.100	1	07/09/2025 17:17	WG2552947

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Arsenic	2.33		0.100	5	07/24/2025 21:14	WG2553670
Barium	60.6		10.0	5	07/24/2025 21:14	WG2553670
Cadmium	0.115		0.100	5	07/24/2025 21:14	WG2553670
Copper	ND		10.0	5	07/24/2025 21:14	WG2553670
Lead	ND		10.0	5	07/24/2025 21:14	WG2553670
Nickel	ND		10.0	5	07/24/2025 21:14	WG2553670
Selenium	0.186		0.100	5	07/24/2025 21:14	WG2553670
Silver	ND		0.500	5	07/24/2025 21:14	WG2553670
Zinc	ND		50.0	5	07/24/2025 21:14	WG2553670

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	07/03/2025 07:39	WG2551989
(S) a, a, a-Trifluorotoluene(FID)	96.1		77.0-120		07/03/2025 07:39	WG2551989



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	07/03/2025 17:10	WG2552201
Ethylbenzene	ND		0.0100	1	07/03/2025 17:10	WG2552201
Toluene	ND		0.0100	1	07/03/2025 17:10	WG2552201
1,2,4-Trimethylbenzene	ND		0.00500	1	07/03/2025 17:10	WG2552201
1,3,5-Trimethylbenzene	ND		0.00500	1	07/03/2025 17:10	WG2552201
Xylenes, Total	ND		0.100	1	07/03/2025 17:10	WG2552201
(S) Toluene-d8	94.5		75.0-131		07/03/2025 17:10	WG2552201
(S) 4-Bromofluorobenzene	103		67.0-138		07/03/2025 17:10	WG2552201
(S) 1,2-Dichloroethane-d4	116		70.0-130		07/03/2025 17:10	WG2552201

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		5.96	1.49	07/10/2025 11:43	WG2556013
C28-C36 Motor Oil Range	ND		5.96	1.49	07/10/2025 11:43	WG2556013
(S) o-Terphenyl	58.1		18.0-148		07/10/2025 11:43	WG2556013

Sample Narrative:

L1874353-06 WG2556013: Dilution due to matrix impact during extraction procedure

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	07/09/2025 05:47	WG2554485
Acenaphthene	ND		0.0330	1	07/09/2025 05:47	WG2554485
Acenaphthylene	ND		0.0330	1	07/09/2025 05:47	WG2554485
Benzo(a)anthracene	ND		0.00600	1	07/09/2025 05:47	WG2554485
Benzo(a)pyrene	ND		0.0330	1	07/09/2025 05:47	WG2554485
Benzo(b)fluoranthene	ND		0.0330	1	07/09/2025 05:47	WG2554485
Benzo(g,h,i)perylene	ND		0.0330	1	07/09/2025 05:47	WG2554485
Benzo(k)fluoranthene	ND		0.0330	1	07/09/2025 05:47	WG2554485
Chrysene	ND		0.0330	1	07/09/2025 05:47	WG2554485
Dibenz(a,h)anthracene	ND		0.0330	1	07/09/2025 05:47	WG2554485
Fluoranthene	ND		0.0330	1	07/09/2025 05:47	WG2554485
Fluorene	ND		0.0330	1	07/09/2025 05:47	WG2554485
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	07/09/2025 05:47	WG2554485
Naphthalene	ND		0.00300	1	07/09/2025 05:47	WG2554485
Phenanthrene	ND		0.0330	1	07/09/2025 05:47	WG2554485
Pyrene	ND		0.0330	1	07/09/2025 05:47	WG2554485
1-Methylnaphthalene	ND		0.00300	1	07/09/2025 05:47	WG2554485
2-Methylnaphthalene	ND		0.0120	1	07/09/2025 05:47	WG2554485
(S) p-Terphenyl-d14	63.4		23.0-120		07/09/2025 05:47	WG2554485
(S) Nitrobenzene-d5	73.7		14.0-149		07/09/2025 05:47	WG2554485
(S) 2-Fluorobiphenyl	61.7		34.0-125		07/09/2025 05:47	WG2554485

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	1.56		1	07/08/2025 17:28	WG2552887

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	07/22/2025 23:22	WG2555084

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.39		1	07/09/2025 09:23	WG2555481

Sample Narrative:

L1874353-07 WG2555481: 8.39 at 22.7C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.388	mmhos/cm		0.0100	1	07/09/2025 19:45	WG2555493

Sample Narrative:

L1874353-07 WG2555493: at 25C

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

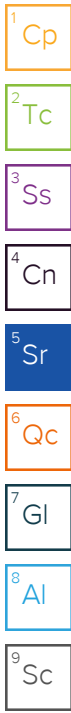
Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.100	1	07/09/2025 17:20	WG2552947

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.32		0.100	5	07/24/2025 21:17	WG2553670
Barium	66.4		10.0	5	07/24/2025 21:17	WG2553670
Cadmium	0.102		0.100	5	07/24/2025 21:17	WG2553670
Copper	ND		10.0	5	07/24/2025 21:17	WG2553670
Lead	ND		10.0	5	07/24/2025 21:17	WG2553670
Nickel	ND		10.0	5	07/24/2025 21:17	WG2553670
Selenium	0.274		0.100	5	07/24/2025 21:17	WG2553670
Silver	ND		0.500	5	07/24/2025 21:17	WG2553670
Zinc	ND		50.0	5	07/24/2025 21:17	WG2553670

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	07/03/2025 08:02	WG2551989
(S) a, a, a-Trifluorotoluene(FID)	94.8		77.0-120		07/03/2025 08:02	WG2551989



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	07/03/2025 17:28	WG2552201
Ethylbenzene	ND		0.0100	1	07/03/2025 17:28	WG2552201
Toluene	ND		0.0100	1	07/03/2025 17:28	WG2552201
1,2,4-Trimethylbenzene	ND		0.00500	1	07/03/2025 17:28	WG2552201
1,3,5-Trimethylbenzene	ND		0.00500	1	07/03/2025 17:28	WG2552201
Xylenes, Total	ND		0.100	1	07/03/2025 17:28	WG2552201
(S) Toluene-d8	92.3		75.0-131		07/03/2025 17:28	WG2552201
(S) 4-Bromofluorobenzene	103		67.0-138		07/03/2025 17:28	WG2552201
(S) 1,2-Dichloroethane-d4	115		70.0-130		07/03/2025 17:28	WG2552201

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	07/10/2025 11:56	WG2556013
C28-C36 Motor Oil Range	ND		4.00	1	07/10/2025 11:56	WG2556013
(S) o-Terphenyl	44.1		18.0-148		07/10/2025 11:56	WG2556013

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	07/09/2025 06:05	WG2554485
Acenaphthene	ND		0.0330	1	07/09/2025 06:05	WG2554485
Acenaphthylene	ND		0.0330	1	07/09/2025 06:05	WG2554485
Benzo(a)anthracene	ND		0.00600	1	07/09/2025 06:05	WG2554485
Benzo(a)pyrene	ND		0.0330	1	07/09/2025 06:05	WG2554485
Benzo(b)fluoranthene	ND		0.0330	1	07/09/2025 06:05	WG2554485
Benzo(g,h,i)perylene	ND		0.0330	1	07/09/2025 06:05	WG2554485
Benzo(k)fluoranthene	ND		0.0330	1	07/09/2025 06:05	WG2554485
Chrysene	ND		0.0330	1	07/09/2025 06:05	WG2554485
Dibenz(a,h)anthracene	ND		0.0330	1	07/09/2025 06:05	WG2554485
Fluoranthene	ND		0.0330	1	07/09/2025 06:05	WG2554485
Fluorene	ND		0.0330	1	07/09/2025 06:05	WG2554485
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	07/09/2025 06:05	WG2554485
Naphthalene	ND		0.00300	1	07/09/2025 06:05	WG2554485
Phenanthrene	ND		0.0330	1	07/09/2025 06:05	WG2554485
Pyrene	ND		0.0330	1	07/09/2025 06:05	WG2554485
1-Methylnaphthalene	ND		0.00300	1	07/09/2025 06:05	WG2554485
2-Methylnaphthalene	ND		0.0120	1	07/09/2025 06:05	WG2554485
(S) p-Terphenyl-d14	61.8		23.0-120		07/09/2025 06:05	WG2554485
(S) Nitrobenzene-d5	70.0		14.0-149		07/09/2025 06:05	WG2554485
(S) 2-Fluorobiphenyl	60.2		34.0-125		07/09/2025 06:05	WG2554485

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4248231-1 07/22/25 19:20

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1874219-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1874219-21 07/22/25 19:37 • (DUP) R4248231-3 07/22/25 19:46

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	0.271	0.306	1	12.1		20

L1874352-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1874352-05 07/22/25 22:01 • (DUP) R4248231-8 07/22/25 22:10

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) R4248231-2 07/22/25 19:28

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Hexavalent Chromium	10.0	9.10	91.0	80.0-120	

L1874219-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1874219-22 07/22/25 23:58 • (MS) R4248231-4 07/22/25 19:56 • (MSD) R4248231-5 07/22/25 20:05

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	0.314	16.9	17.1	83.1	84.0	1	75.0-125			1.13	20

L1874219-22 Original Sample (OS) • Matrix Spike (MS)

(OS) L1874219-22 07/22/25 23:58 • (MS) R4248231-6 07/22/25 20:13

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Hexavalent Chromium	648	0.314	642	99.0	50	75.0-125	

Method Blank (MB)

(MB) R4249604-1 07/24/25 09:57

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1874128-24 Original Sample (OS) • Duplicate (DUP)

(OS) L1874128-24 07/24/25 10:15 • (DUP) R4249604-3 07/24/25 10:23

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

L1874128-37 Original Sample (OS) • Duplicate (DUP)

(OS) L1874128-37 07/24/25 12:46 • (DUP) R4249604-8 07/24/25 12:55

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	0.236	1	200	P1	20

Laboratory Control Sample (LCS)

(LCS) R4249604-2 07/24/25 10:06

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Hexavalent Chromium	10.0	9.19	91.9	80.0-120	

L1874128-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1874128-25 07/24/25 10:32 • (MS) R4249604-4 07/24/25 10:41 • (MSD) R4249604-5 07/24/25 10:50

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	17.7	17.0	88.3	84.8	1	75.0-125			3.98	20

L1874128-25 Original Sample (OS) • Matrix Spike (MS)

(OS) L1874128-25 07/24/25 10:32 • (MS) R4249604-6 07/24/25 10:59

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Hexavalent Chromium	631	ND	570	90.3	50	75.0-125	

L1874157-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1874157-09 07/09/25 09:23 • (DUP) R4242461-3 07/09/25 09:23

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.87	7.86	1	0.127		1

Sample Narrative:

OS: 7.87 at 22.7C
 DUP: 7.86 at 23.2C

L1875045-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1875045-04 07/09/25 09:23 • (DUP) R4242461-4 07/09/25 09:23

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.68	7.70	1	0.260		1

Sample Narrative:

OS: 7.68 at 22.5C
 DUP: 7.7 at 22.7C

Laboratory Control Sample (LCS)

(LCS) R4242461-1 07/09/25 09:23

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 22.1C



Method Blank (MB)

(MB) R4242836-1 07/09/25 19:45

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

Sample Narrative:

BLANK: at 25C

L1874352-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1874352-06 07/09/25 19:45 • (DUP) R4242836-3 07/09/25 19:45

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Specific Conductance	0.447	0.448	1	0.223		20

Sample Narrative:

OS: at 25C

DUP: at 25C

L1875045-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1875045-03 07/09/25 19:45 • (DUP) R4242836-4 07/09/25 19:45

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Specific Conductance	0.124	0.125	1	0.321		20

Sample Narrative:

OS: at 25C

DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4242836-2 07/09/25 19:45

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Specific Conductance	0.581	0.571	98.3	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) R4242773-1 07/09/25 15:56

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

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

(LCS) R4242773-2 07/09/25 15:59 • (LCSD) R4242773-3 07/09/25 16:02

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Hot Water Sol. Boron	1.00	0.930	0.889	93.0	88.9	80.0-120			4.49	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4249399-1 07/24/25 19:51

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) R4249399-2 07/24/25 19:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	92.2	92.2	80.0-120	
Barium	100	86.3	86.3	80.0-120	
Cadmium	100	96.7	96.7	80.0-120	
Copper	100	97.3	97.3	80.0-120	
Lead	100	92.5	92.5	80.0-120	
Nickel	100	97.8	97.8	80.0-120	
Selenium	100	93.0	93.0	80.0-120	
Silver	20.0	19.3	96.3	80.0-120	
Zinc	100	90.6	90.6	80.0-120	

⁷Gl

⁸Al

⁹Sc

L1874219-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1874219-01 07/24/25 19:58 • (MS) R4249399-5 07/24/25 20:07 • (MSD) R4249399-6 07/24/25 20:10

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	2.80	96.6	90.8	93.8	88.0	5	75.0-125			6.22	20
Barium	100	57.2	153	160	96.2	103	5	75.0-125			4.16	20
Cadmium	100	0.104	98.2	92.4	98.1	92.3	5	75.0-125			6.14	20
Copper	100	ND	103	100	103	100	5	75.0-125			2.34	20
Lead	100	ND	96.8	93.7	96.8	93.7	5	75.0-125			3.24	20
Nickel	100	ND	104	100	104	100	5	75.0-125			3.62	20
Selenium	100	0.346	95.4	90.4	95.0	90.0	5	75.0-125			5.41	20
Silver	20.0	ND	19.6	18.6	98.1	93.1	5	75.0-125			5.31	20
Zinc	100	ND	126	119	126	119	5	75.0-125	<u>J5</u>		5.51	20

Method Blank (MB)

(MB) R4249954-1 07/26/25 12:36

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

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4249954-2 07/26/25 12:39

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	108	108	80.0-120	
Barium	100	104	104	80.0-120	
Cadmium	100	108	108	80.0-120	
Copper	100	109	109	80.0-120	
Lead	100	106	106	80.0-120	
Nickel	100	112	112	80.0-120	
Selenium	100	107	107	80.0-120	
Silver	20.0	21.5	108	80.0-120	
Zinc	100	108	108	80.0-120	

L1874354-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1874354-03 07/26/25 12:42 • (MS) R4249954-5 07/26/25 12:52 • (MSD) R4249954-6 07/26/25 12:55

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	2.99	105	105	102	102	5	75.0-125			0.597	20
Barium	100	54.9	153	152	98.2	97.5	5	75.0-125			0.475	20
Cadmium	100	ND	103	103	103	103	5	75.0-125			0.131	20
Copper	100	ND	106	106	106	106	5	75.0-125			0.158	20
Lead	100	ND	104	102	104	102	5	75.0-125			2.57	20
Nickel	100	ND	112	111	112	111	5	75.0-125			0.533	20
Selenium	100	0.291	101	101	101	100	5	75.0-125			0.298	20
Silver	20.0	ND	20.6	20.3	103	101	5	75.0-125			1.43	20
Zinc	100	ND	122	122	122	122	5	75.0-125			0.506	20

Method Blank (MB)

(MB) R4240146-3 07/03/25 02:43

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)	97.4			77.0-120

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

(LCS) R4240146-1 07/03/25 00:41 • (LCSD) R4240146-2 07/03/25 01:29

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.00	4.89	4.37	97.8	87.4	72.0-127			11.2	20
^(S) a,a,a-Trifluorotoluene(FID)				102	99.8	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) R4240977-2 07/04/25 18:02

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)	100			77.0-120

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

(LCS) R4240977-1 07/04/25 17:17 • (LCSD) R4240977-3 07/04/25 20:50

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	6.03	5.35	121	107	72.0-127			12.0	20
^(S) a,a,a-Trifluorotoluene(FID)				104	106	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) R4241056-3 07/03/25 10:02

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	92.7			75.0-131
(S) 4-Bromofluorobenzene	103			67.0-138
(S) 1,2-Dichloroethane-d4	114			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) R4241056-1 07/03/25 08:28 • (LCSD) R4241056-2 07/03/25 08:47

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	0.137	0.135	110	108	70.0-123			1.47	20
Ethylbenzene	0.125	0.120	0.122	96.0	97.6	74.0-126			1.65	20
Toluene	0.125	0.118	0.121	94.4	96.8	75.0-121			2.51	20
1,2,4-Trimethylbenzene	0.125	0.149	0.142	119	114	70.0-126			4.81	20
1,3,5-Trimethylbenzene	0.125	0.136	0.141	109	113	73.0-127			3.61	20
Xylenes, Total	0.375	0.396	0.401	106	107	72.0-127			1.25	20
(S) Toluene-d8				91.8	92.5	75.0-131				
(S) 4-Bromofluorobenzene				103	101	67.0-138				
(S) 1,2-Dichloroethane-d4				118	116	70.0-130				

L1874270-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1874270-01 07/03/25 12:10 • (MS) R4241056-4 07/03/25 17:47 • (MSD) R4241056-5 07/03/25 18:06

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	0.0721	0.0817	57.7	65.4	1	10.0-149			12.5	37
Ethylbenzene	0.125	ND	0.0859	0.0892	68.7	71.4	1	10.0-160			3.77	38
Toluene	0.125	ND	0.143	0.153	107	115	1	10.0-156			6.76	38
1,2,4-Trimethylbenzene	0.125	0.00540	0.129	0.135	98.9	104	1	10.0-160			4.55	36
1,3,5-Trimethylbenzene	0.125	ND	0.110	0.115	86.3	90.3	1	10.0-160			4.44	38
Xylenes, Total	0.375	ND	0.280	0.274	74.3	72.7	1	10.0-160			2.17	38
(S) Toluene-d8					93.9	93.3		75.0-131				
(S) 4-Bromofluorobenzene					111	101		67.0-138				
(S) 1,2-Dichloroethane-d4					99.3	92.1		70.0-130				

Method Blank (MB)

(MB) R4242124-1 07/08/25 11:55

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>	60.5			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4242124-2 07/08/25 12:08

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	32.7	65.4	50.0-150	
<i>(S) o-Terphenyl</i>			67.0	18.0-148	

L1874352-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1874352-07 07/08/25 12:46 • (MS) R4242124-3 07/08/25 12:58 • (MSD) R4242124-4 07/08/25 13:11

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	49.4	ND	28.2	28.3	57.1	57.3	1	50.0-150			0.354	20
<i>(S) o-Terphenyl</i>					45.9	50.0		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) R4243350-1 07/10/25 11:17

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	U		0.274	4.00
(S) o-Terphenyl	67.7			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4243350-2 07/10/25 11:30

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/kg	mg/kg	%	%	
C10-C28 Diesel Range	50.0	43.1	86.2	50.0-150	
(S) o-Terphenyl			102	18.0-148	

L1874556-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1874556-01 07/10/25 14:48 • (MS) R4243350-3 07/10/25 15:02 • (MSD) R4243350-4 07/10/25 15:15

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	50.3	ND	ND	ND	49.9	48.1	10	50.0-150	J6	J6	4.07	20
(S) o-Terphenyl					66.2	68.7		18.0-148				

Sample Narrative:

OS: Dilution due to matrix.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4242470-2 07/09/25 01:02

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>	82.3			23.0-120
<i>(S) Nitrobenzene-d5</i>	91.5			14.0-149
<i>(S) 2-Fluorobiphenyl</i>	75.1			34.0-125

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4242470-1 07/09/25 00:45

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0461	57.6	50.0-126	
Acenaphthene	0.0800	0.0473	59.1	50.0-120	
Acenaphthylene	0.0800	0.0463	57.9	50.0-120	
Benzo(a)anthracene	0.0800	0.0479	59.9	45.0-120	
Benzo(a)pyrene	0.0800	0.0503	62.9	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0550	68.8	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0560	70.0	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0519	64.9	49.0-125	
Chrysene	0.0800	0.0563	70.4	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0571	71.4	47.0-125	
Fluoranthene	0.0800	0.0530	66.3	49.0-129	
Fluorene	0.0800	0.0504	63.0	49.0-120	

Laboratory Control Sample (LCS)

(LCS) R4242470-1 07/09/25 00:45

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	0.0514	64.3	46.0-125	
Naphthalene	0.0800	0.0491	61.4	50.0-120	
Phenanthrene	0.0800	0.0517	64.6	47.0-120	
Pyrene	0.0800	0.0525	65.6	43.0-123	
1-Methylnaphthalene	0.0800	0.0510	63.8	51.0-121	
2-Methylnaphthalene	0.0800	0.0479	59.9	50.0-120	
<i>(S) p-Terphenyl-d14</i>			61.8	23.0-120	
<i>(S) Nitrobenzene-d5</i>			70.6	14.0-149	
<i>(S) 2-Fluorobiphenyl</i>			59.5	34.0-125	

L1874352-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1874352-08 07/09/25 06:58 • (MS) R4242470-3 07/09/25 07:16 • (MSD) R4242470-4 07/09/25 07:34

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	0.0788	ND	0.0486	0.0424	61.7	53.8	1	10.0-145			13.6	30
Acenaphthene	0.0788	ND	0.0514	0.0467	65.2	59.3	1	14.0-127			9.58	27
Acenaphthylene	0.0788	ND	0.0504	0.0452	64.0	57.4	1	21.0-124			10.9	25
Benzo(a)anthracene	0.0788	ND	0.0502	0.0428	63.7	54.3	1	10.0-139			15.9	30
Benzo(a)pyrene	0.0788	ND	0.0536	0.0477	68.0	60.5	1	10.0-141			11.6	31
Benzo(b)fluoranthene	0.0788	ND	0.0563	0.0480	71.4	60.9	1	10.0-140			15.9	36
Benzo(g,h,i)perylene	0.0788	ND	0.0602	0.0532	76.4	67.5	1	10.0-140			12.3	33
Benzo(k)fluoranthene	0.0788	ND	0.0549	0.0472	69.7	59.9	1	10.0-137			15.1	31
Chrysene	0.0788	ND	0.0596	0.0540	75.6	68.5	1	10.0-145			9.86	30
Dibenz(a,h)anthracene	0.0788	ND	0.0594	0.0518	75.4	65.7	1	10.0-132			13.7	31
Fluoranthene	0.0788	ND	0.0571	0.0501	72.5	63.6	1	10.0-153			13.1	33
Fluorene	0.0788	ND	0.0534	0.0475	67.8	60.3	1	11.0-130			11.7	29
Indeno(1,2,3-cd)pyrene	0.0788	ND	0.0536	0.0466	68.0	59.1	1	10.0-137			14.0	32
Naphthalene	0.0788	ND	0.0559	0.0513	70.9	65.1	1	10.0-135			8.58	27
Phenanthrene	0.0788	ND	0.0560	0.0488	71.1	61.9	1	10.0-144			13.7	31
Pyrene	0.0788	ND	0.0575	0.0508	73.0	64.5	1	10.0-148			12.4	35
1-Methylnaphthalene	0.0788	ND	0.0580	0.0513	73.6	65.1	1	10.0-142			12.3	28
2-Methylnaphthalene	0.0788	ND	0.0533	0.0487	67.6	61.8	1	10.0-137			9.02	28
<i>(S) p-Terphenyl-d14</i>					65.2	62.6		23.0-120				
<i>(S) Nitrobenzene-d5</i>					77.3	73.6		14.0-149				
<i>(S) 2-Fluorobiphenyl</i>					65.4	60.9		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

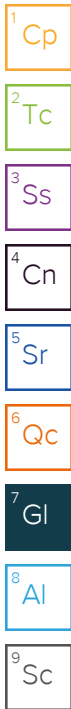
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
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.



ACCREDITATIONS & LOCATIONS

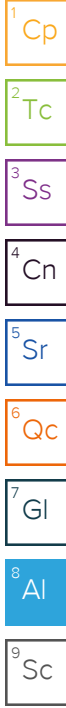
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122


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.



Company Name/Address: Chevron - CO 1200 17th St. Floor 10 Denver, Co 80202		Billing Information: 1200 17th St. Floor 10 Denver, Co 80202		Pres Chk		Analysis / Container / Preservative						Chain of Custody Page <u>1</u> of <u>1</u> MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubs/pas-standard-terms.pdf			
Report to: Nathan Champlin - 406-671-8273		Email To: Nathan.Champlin@erm.com										SDG # 1874353 J018			
Project Description: Chevron RBU/STORER A 12-2		City/State Collected: CO		Please Circle: PT MT CT ET								Acctnum: CHEGCO Template: T270815 Prelogin: P1140477 PM: 824 - Chris Ward PB:			
Regulatory Program(DOD,RCRA,DW,etc):		Client Project # 0736294		Lab Project # CHEGCO-ERM		P.O. AFE #UWRWEA4054ABN		Shipped Via:		Remarks		Sample # (lab only)			
Collected by (print): BS, NS, KR, HS, CW, CF, PC, JT		Site/Facility ID #123-23275		Quote #		Date Results Needed		No. of Cntrs							
Collected by (signature): Immediately		Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day Next Day ___ 5 Day (Rad Only)		Date Results Needed		___ Two Day ___ 10 Day (Rad Only) Three Day ___ X STD TAT									
Packed on Ice N ___ Y ___ X															
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time									
33867-FL-01-SO-4-20250627		G	SS	4	6/27/2025	950	3	x					- 01		
33867-FL-02-SO-4-20250627		G	SS	4	6/27/2025	945	3	x					- 02		
33867-FL-03-SO-4-20250627		G	SS	4	6/27/2025	1005	3	x					- 03		
33867-FL-04-SO-4-20250627		G	SS	4	6/27/2025	1020	3	x					- 04		
33867-FL-05-SO-4-20250627		G	SS	4	6/27/2025	1020	3	x					- 05		
33867-FL-06-SO-4-20250627		G	SS	4	6/27/2025	955	3	x					- 06		
33867-FL-07-SO-4-20250627		G	SS	4	6/27/2025	935	3	x					- 07		
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks: pH ___ Temp ___ Flow ___ Other ___		Samples returned via: UPS FedEx Courier		Tracking #									
Relinquished by: (Signature) <i>[Signature]</i>		Date: 6/27/25	Time: 1400	Received by: (Signature) <i>[Signature]</i>		Trip Blank Received: Yes / No		HCL / MeoH TBR							
Relinquished by: (Signature) <i>[Signature]</i>		Date: 6/27/25	Time: 1800	Received by: (Signature) <i>[Signature]</i>		Temp: °C Bottles Received: 21								If preservation required by Login: Date/Time	
Relinquished by: (Signature) <i>[Signature]</i>		Date:	Time:	Received for lab by (Signature) <i>[Signature]</i>		Date: 6/28/25 Time: 0800		Hold:				Condition: NCF / OK			

Full Table 915 4oz Clear No Pres

