ANALYTICAL REPORT

September 11, 2025

Revised Report

Pace Analytical Services, LLC
2025.09.11 19:20:04 -05'00'
Document is certified

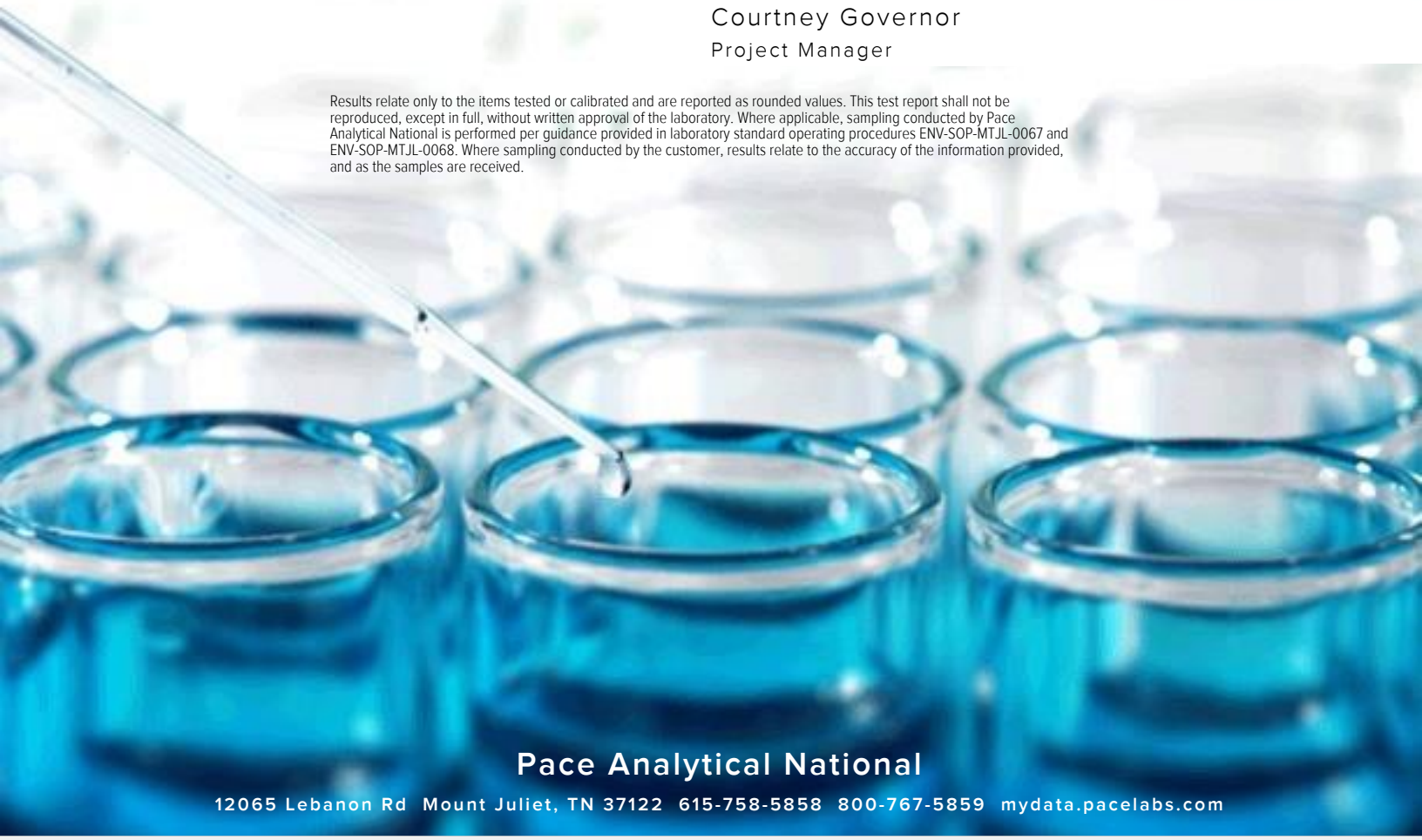
Chevron - CO

Sample Delivery Group:	L1874352
Samples Received:	06/28/2025
Project Number:	0736294
Description:	Chevron RBU/STORER A 12-2
Site:	123-23275
Report To:	Justin Onwiler 2115 117th Avenue Greeley, CO 80631

Entire Report Reviewed By:

Courtney Governor
Project Manager

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



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

TABLE OF CONTENTS

33867-SP-01-SO-4-20250627 L1874352-01

Collected by	Collected date/time	Received date/time
	06/27/25 11:40	06/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2552883	1	07/09/25 02:20	07/09/25 02:20	NMM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2555084	1	07/18/25 13:27	07/22/25 21:25	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2557079	1	07/13/25 12:22	07/14/25 14:21	JDG	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2571725	1	07/10/25 15:21	07/15/25 18:00	JDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2552946	1	07/08/25 12:31	07/11/25 20:32	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2553671	5	07/06/25 14:48	07/26/25 13:18	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2551731	1	07/01/25 23:33	07/02/25 16:27	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2552201	1	07/01/25 23:33	07/03/25 12:28	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2554449	1	07/08/25 07:21	07/08/25 14:27	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2554485	1	07/08/25 06:07	07/09/25 01:38	KB	Mt. Juliet, TN

33867-SP-01-SO-6-20250627 L1874352-02

Collected by	Collected date/time	Received date/time
	06/27/25 11:55	06/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2552883	1	07/09/25 02:22	07/09/25 02:22	NMM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2555084	1	07/18/25 13:27	07/22/25 21:34	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2557128	1	07/13/25 11:57	07/14/25 10:04	JDG	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2571728	1	07/10/25 15:47	07/15/25 11:55	JDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2552946	1	07/08/25 12:31	07/11/25 20:34	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2553671	5	07/06/25 14:48	07/26/25 13:22	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2551731	1	07/01/25 23:33	07/02/25 16:47	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2552201	1	07/01/25 23:33	07/03/25 12:47	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2554449	1	07/08/25 07:21	07/08/25 14:02	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2554485	1	07/08/25 06:07	07/09/25 01:56	KB	Mt. Juliet, TN

33867-SP-01-E-SO-4-20250627 L1874352-03

Collected by	Collected date/time	Received date/time
	06/27/25 11:40	06/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2552883	1	07/09/25 02:23	07/09/25 02:23	NMM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2555084	1	07/18/25 13:27	07/22/25 21:43	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2557128	1	07/13/25 11:57	07/14/25 10:04	JDG	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2571728	1	07/10/25 15:47	07/15/25 11:55	JDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2552946	1	07/08/25 12:31	07/11/25 20:37	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2553671	5	07/06/25 14:48	07/26/25 13:25	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2551731	1.01	07/01/25 23:33	07/02/25 17:06	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2552201	1	07/01/25 23:33	07/03/25 13:06	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2554449	1	07/08/25 07:21	07/08/25 12:20	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2554485	1	07/08/25 06:07	07/09/25 02:14	KB	Mt. Juliet, TN

33867-SP-01-E-SO-6-20250627 L1874352-04

Collected by	Collected date/time	Received date/time
	06/27/25 11:55	06/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2552883	1	07/09/25 02:25	07/09/25 02:25	NMM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2555084	1	07/18/25 13:27	07/22/25 21:52	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2557128	1	07/13/25 11:57	07/14/25 10:04	JDG	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2571728	1	07/10/25 15:47	07/15/25 11:55	JDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2552946	1	07/08/25 12:31	07/11/25 20:39	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2553671	5	07/06/25 14:48	07/26/25 13:28	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2551731	1	07/01/25 23:33	07/02/25 17:26	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2552201	1	07/01/25 23:33	07/03/25 13:25	JAH	Mt. Juliet, TN

33867-SP-01-E-SO-6-20250627 L1874352-04

Collected by	Collected date/time	Received date/time
	06/27/25 11:55	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 12:33	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2554485	1	07/08/25 06:07	07/09/25 02:31	KB	Mt. Juliet, TN

33867-SP-01-N-SO-4-20250627 L1874352-05

Collected by	Collected date/time	Received date/time
	06/27/25 10:55	06/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2552883	1	07/09/25 02:31	07/09/25 02:31	NMM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2555084	1	07/18/25 13:27	07/22/25 22:01	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2557128	1	07/13/25 11:57	07/14/25 10:04	JDG	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2571728	1	07/10/25 15:47	07/15/25 11:55	JDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2552946	1	07/08/25 12:31	07/11/25 19:46	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2553671	5	07/06/25 14:48	07/26/25 13:31	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2551731	1	07/01/25 23:33	07/02/25 17:46	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2552201	1	07/01/25 23:33	07/03/25 13:43	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2554449	1	07/08/25 07:21	07/08/25 12:33	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2554485	1	07/08/25 06:07	07/09/25 02:49	KB	Mt. Juliet, TN

33867-SP-01-N-SO-6-20250627 L1874352-06

Collected by	Collected date/time	Received date/time
	06/27/25 11:10	06/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2552887	1	07/08/25 17:06	07/08/25 17:06	NMM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2555084	1	07/18/25 13:27	07/22/25 22:19	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2571695	1	07/08/25 16:18	07/09/25 09:23	JDG	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2571696	1	07/08/25 16:20	07/09/25 19:45	JDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2552947	1	07/08/25 12:34	07/09/25 16:05	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2553671	5	07/06/25 14:48	07/26/25 13:34	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2551731	1.01	07/01/25 23:33	07/02/25 18:06	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2552201	1	07/01/25 23:33	07/03/25 14:02	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2554449	1	07/08/25 07:21	07/08/25 12:20	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2554485	1	07/08/25 06:07	07/09/25 03:07	KB	Mt. Juliet, TN

33867-SP-01-S-SO-4-20250627 L1874352-07

Collected by	Collected date/time	Received date/time
	06/27/25 11:45	06/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2552887	1	07/08/25 17:08	07/08/25 17:08	NMM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2555084	1	07/18/25 13:27	07/22/25 22:46	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2571695	1	07/08/25 16:18	07/09/25 09:23	JDG	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2571696	1	07/08/25 16:20	07/09/25 19:45	JDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2552947	1	07/08/25 12:34	07/09/25 16:08	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2553671	5	07/06/25 14:48	07/26/25 13:38	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2551731	1	07/01/25 23:33	07/02/25 18:25	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2552201	1	07/01/25 23:33	07/03/25 14:21	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 03:25	KB	Mt. Juliet, TN

33867-SP-01-S-SO-6-20250627 L1874352-08

Collected by	Collected date/time	Received date/time
	06/27/25 12:00	06/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2552887	1	07/08/25 17:09	07/08/25 17:09	NMM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2555084	1	07/18/25 13:27	07/22/25 22:55	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2571695	1	07/08/25 16:18	07/09/25 09:23	JDG	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2571696	1	07/08/25 16:20	07/09/25 19:45	JDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2552947	1	07/08/25 12:34	07/09/25 16:11	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2553671	5	07/06/25 14:48	07/26/25 13:41	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2551731	1	07/01/25 23:33	07/02/25 18:45	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2552201	1	07/01/25 23:33	07/03/25 14:40	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2554449	1	07/08/25 07:21	07/08/25 11:55	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2554485	1	07/08/25 06:07	07/09/25 06:58	KB	Mt. Juliet, TN

33867-SP-01-W-SO-4-20250627 L1874352-09

Collected by	Collected date/time	Received date/time
	06/27/25 10:55	06/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2552887	1	07/08/25 17:11	07/08/25 17:11	NMM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2555084	1	07/18/25 13:27	07/22/25 23:04	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2571695	1	07/08/25 16:18	07/09/25 09:23	JDG	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2571696	1	07/08/25 16:20	07/09/25 19:45	JDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2552947	1	07/08/25 12:34	07/09/25 16:14	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2553671	5	07/06/25 14:48	07/26/25 13:44	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2551731	1	07/01/25 23:33	07/02/25 19:04	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2552201	1	07/01/25 23:33	07/03/25 14:59	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2554449	1	07/08/25 07:21	07/08/25 12:58	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2554485	1	07/08/25 06:07	07/09/25 03:43	KB	Mt. Juliet, TN

33867-SP-01-W-SO-6-20250627 L1874352-10

Collected by	Collected date/time	Received date/time
	06/27/25 11:05	06/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2552887	1	07/08/25 17:13	07/08/25 17:13	NMM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2555084	1	07/18/25 13:27	07/22/25 23:13	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2571695	1	07/08/25 16:18	07/09/25 09:23	JDG	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2571696	1	07/08/25 16:20	07/09/25 19:45	JDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2552947	1	07/08/25 12:34	07/09/25 16:17	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2553671	5	07/06/25 14:48	07/26/25 13:54	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2551731	1	07/01/25 23:33	07/02/25 19:29	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2552201	1	07/01/25 23:33	07/03/25 15:17	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2554449	1	07/08/25 07:21	07/08/25 13:11	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2554485	1	07/08/25 06:07	07/09/25 04:01	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.

Courtney Governor
Project Manager

Report Revision History

Level II Report - Version 1: 07/28/25 11:28

Project Narrative

Reissuing report with pH/SPCON QC -CAG955 091125

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.253		1	07/09/2025 02:20	WG2552883

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 21:25	WG2555084

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.03		1	07/14/2025 14:21	WG2557079

Sample Narrative:

L1874352-01 WG2557079: 8.03 at 23.4C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.377	mmhos/cm		0.0100	1	07/15/2025 18:00	WG2571725

Sample Narrative:

L1874352-01 WG2571725: 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	07/11/2025 20:32	WG2552946

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.62		0.100	5	07/26/2025 13:18	WG2553671
Barium	64.6		10.0	5	07/26/2025 13:18	WG2553671
Cadmium	ND		0.100	5	07/26/2025 13:18	WG2553671
Copper	ND		10.0	5	07/26/2025 13:18	WG2553671
Lead	ND		10.0	5	07/26/2025 13:18	WG2553671
Nickel	ND		10.0	5	07/26/2025 13:18	WG2553671
Selenium	0.278		0.100	5	07/26/2025 13:18	WG2553671
Silver	ND		0.500	5	07/26/2025 13:18	WG2553671
Zinc	ND		50.0	5	07/26/2025 13:18	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	07/02/2025 16:27	WG2551731
(S) a,a,a-Trifluorotoluene(FID)	*92.6*		*77.0-120*		*07/02/2025 16:27*	WG2551731

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 12:28	WG2552201
Ethylbenzene	ND		0.0100	1	07/03/2025 12:28	WG2552201
Toluene	ND		0.0100	1	07/03/2025 12:28	WG2552201
1,2,4-Trimethylbenzene	ND		0.00500	1	07/03/2025 12:28	WG2552201
1,3,5-Trimethylbenzene	ND		0.00500	1	07/03/2025 12:28	WG2552201
Xylenes, Total	ND		0.100	1	07/03/2025 12:28	WG2552201
(S) Toluene-d8	*95.2*		*75.0-131*		*07/03/2025 12:28*	WG2552201
(S) 4-Bromofluorobenzene	*105*		*67.0-138*		*07/03/2025 12:28*	WG2552201
(S) 1,2-Dichloroethane-d4	*115*		*70.0-130*		*07/03/2025 12:28*	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	7.42		4.00	1	07/08/2025 14:27	WG2554449
C28-C36 Motor Oil Range	7.01		4.00	1	07/08/2025 14:27	WG2554449
(S) o-Terphenyl	*42.7*		*18.0-148*		*07/08/2025 14:27*	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	0.438		0.0330	1	07/09/2025 01:38	WG2554485
Acenaphthene	0.232		0.0330	1	07/09/2025 01:38	WG2554485
Acenaphthylene	ND		0.0330	1	07/09/2025 01:38	WG2554485
Benzo(a)anthracene	0.479		0.00600	1	07/09/2025 01:38	WG2554485
Benzo(a)pyrene	0.327		0.0330	1	07/09/2025 01:38	WG2554485
Benzo(b)fluoranthene	0.505		0.0330	1	07/09/2025 01:38	WG2554485
Benzo(g,h,i)perylene	0.206		0.0330	1	07/09/2025 01:38	WG2554485
Benzo(k)fluoranthene	0.185		0.0330	1	07/09/2025 01:38	WG2554485
Chrysene	0.530		0.0330	1	07/09/2025 01:38	WG2554485
Dibenz(a,h)anthracene	0.0642		0.0330	1	07/09/2025 01:38	WG2554485
Fluoranthene	1.59		0.0330	1	07/09/2025 01:38	WG2554485
Fluorene	0.248		0.0330	1	07/09/2025 01:38	WG2554485
Indeno(1,2,3-cd)pyrene	0.216		0.0330	1	07/09/2025 01:38	WG2554485
Naphthalene	0.0749		0.00300	1	07/09/2025 01:38	WG2554485
Phenanthrene	1.78		0.0330	1	07/09/2025 01:38	WG2554485
Pyrene	1.08		0.0330	1	07/09/2025 01:38	WG2554485
1-Methylnaphthalene	0.0237		0.00300	1	07/09/2025 01:38	WG2554485
2-Methylnaphthalene	0.0316		0.0120	1	07/09/2025 01:38	WG2554485
(S) p-Terphenyl-d14	*60.2*		*23.0-120*		*07/09/2025 01:38*	WG2554485
(S) Nitrobenzene-d5	*79.4*		*14.0-149*		*07/09/2025 01:38*	WG2554485
(S) 2-Fluorobiphenyl	*61.1*		*34.0-125*		*07/09/2025 01:38*	WG2554485

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.173		1	07/09/2025 02:22	WG2552883

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 21:34	WG2555084

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.09		1	07/14/2025 10:04	WG2557128

Sample Narrative:

L1874352-02 WG2557128: 8.09 at 22.1C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.392	mmhos/cm		0.0100	1	07/15/2025 11:55	WG2571728

Sample Narrative:

L1874352-02 WG2571728: 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	07/11/2025 20:34	WG2552946

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.93		0.100	5	07/26/2025 13:22	WG2553671
Barium	72.6		10.0	5	07/26/2025 13:22	WG2553671
Cadmium	0.113		0.100	5	07/26/2025 13:22	WG2553671
Copper	ND		10.0	5	07/26/2025 13:22	WG2553671
Lead	ND		10.0	5	07/26/2025 13:22	WG2553671
Nickel	ND		10.0	5	07/26/2025 13:22	WG2553671
Selenium	0.263		0.100	5	07/26/2025 13:22	WG2553671
Silver	ND		0.500	5	07/26/2025 13:22	WG2553671
Zinc	ND		50.0	5	07/26/2025 13:22	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	07/02/2025 16:47	WG2551731
(S) a,a,a-Trifluorotoluene(FID)	*91.5*		*77.0-120*		*07/02/2025 16:47*	WG2551731

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 12:47	WG2552201
Ethylbenzene	ND		0.0100	1	07/03/2025 12:47	WG2552201
Toluene	ND		0.0100	1	07/03/2025 12:47	WG2552201
1,2,4-Trimethylbenzene	ND		0.00500	1	07/03/2025 12:47	WG2552201
1,3,5-Trimethylbenzene	ND		0.00500	1	07/03/2025 12:47	WG2552201
Xylenes, Total	ND		0.100	1	07/03/2025 12:47	WG2552201
(S) Toluene-d8	*92.6*		*75.0-131*		*07/03/2025 12:47*	WG2552201
(S) 4-Bromofluorobenzene	*108*		*67.0-138*		*07/03/2025 12:47*	WG2552201
(S) 1,2-Dichloroethane-d4	*112*		*70.0-130*		*07/03/2025 12:47*	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 14:02	WG2554449
C28-C36 Motor Oil Range	ND		4.00	1	07/08/2025 14:02	WG2554449
(S) o-Terphenyl	*33.3*		*18.0-148*		*07/08/2025 14:02*	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 01:56	WG2554485
Acenaphthene	ND		0.0330	1	07/09/2025 01:56	WG2554485
Acenaphthylene	ND		0.0330	1	07/09/2025 01:56	WG2554485
Benzo(a)anthracene	0.0386		0.00600	1	07/09/2025 01:56	WG2554485
Benzo(a)pyrene	ND		0.0330	1	07/09/2025 01:56	WG2554485
Benzo(b)fluoranthene	0.0424		0.0330	1	07/09/2025 01:56	WG2554485
Benzo(g,h,i)perylene	ND		0.0330	1	07/09/2025 01:56	WG2554485
Benzo(k)fluoranthene	ND		0.0330	1	07/09/2025 01:56	WG2554485
Chrysene	0.0383		0.0330	1	07/09/2025 01:56	WG2554485
Dibenz(a,h)anthracene	ND		0.0330	1	07/09/2025 01:56	WG2554485
Fluoranthene	0.126		0.0330	1	07/09/2025 01:56	WG2554485
Fluorene	ND		0.0330	1	07/09/2025 01:56	WG2554485
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	07/09/2025 01:56	WG2554485
Naphthalene	0.00334		0.00300	1	07/09/2025 01:56	WG2554485
Phenanthrene	0.122		0.0330	1	07/09/2025 01:56	WG2554485
Pyrene	0.0946		0.0330	1	07/09/2025 01:56	WG2554485
1-Methylnaphthalene	ND		0.00300	1	07/09/2025 01:56	WG2554485
2-Methylnaphthalene	ND		0.0120	1	07/09/2025 01:56	WG2554485
(S) p-Terphenyl-d14	*77.1*		*23.0-120*		*07/09/2025 01:56*	WG2554485
(S) Nitrobenzene-d5	*88.3*		*14.0-149*		*07/09/2025 01:56*	WG2554485
(S) 2-Fluorobiphenyl	*74.5*		*34.0-125*		*07/09/2025 01:56*	WG2554485

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.258		1	07/09/2025 02:23	WG2552883

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 21:43	WG2555084

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.99		1	07/14/2025 10:04	WG2557128

Sample Narrative:

L1874352-03 WG2557128: 7.99 at 21.8C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.308	mmhos/cm		0.0100	1	07/15/2025 11:55	WG2571728

Sample Narrative:

L1874352-03 WG2571728: 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	07/11/2025 20:37	WG2552946

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.25		0.100	5	07/26/2025 13:25	WG2553671
Barium	72.8		10.0	5	07/26/2025 13:25	WG2553671
Cadmium	0.104		0.100	5	07/26/2025 13:25	WG2553671
Copper	ND		10.0	5	07/26/2025 13:25	WG2553671
Lead	ND		10.0	5	07/26/2025 13:25	WG2553671
Nickel	ND		10.0	5	07/26/2025 13:25	WG2553671
Selenium	0.279		0.100	5	07/26/2025 13:25	WG2553671
Silver	ND		0.500	5	07/26/2025 13:25	WG2553671
Zinc	ND		50.0	5	07/26/2025 13:25	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		0.101	1.01	07/02/2025 17:06	WG2551731
(S) a,a,a-Trifluorotoluene(FID)	*93.1*		*77.0-120*		*07/02/2025 17:06*	WG2551731

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 13:06	WG2552201
Ethylbenzene	ND		0.0100	1	07/03/2025 13:06	WG2552201
Toluene	ND		0.0100	1	07/03/2025 13:06	WG2552201
1,2,4-Trimethylbenzene	ND		0.00500	1	07/03/2025 13:06	WG2552201
1,3,5-Trimethylbenzene	ND		0.00500	1	07/03/2025 13:06	WG2552201
Xylenes, Total	ND		0.100	1	07/03/2025 13:06	WG2552201
(S) Toluene-d8	*94.4*		*75.0-131*		*07/03/2025 13:06*	WG2552201
(S) 4-Bromofluorobenzene	*105*		*67.0-138*		*07/03/2025 13:06*	WG2552201
(S) 1,2-Dichloroethane-d4	*114*		*70.0-130*		*07/03/2025 13:06*	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 12:20	WG2554449
C28-C36 Motor Oil Range	ND		4.00	1	07/08/2025 12:20	WG2554449
(S) o-Terphenyl	*49.1*		*18.0-148*		*07/08/2025 12:20*	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 02:14	WG2554485
Acenaphthene	ND		0.0330	1	07/09/2025 02:14	WG2554485
Acenaphthylene	ND		0.0330	1	07/09/2025 02:14	WG2554485
Benzo(a)anthracene	ND		0.00600	1	07/09/2025 02:14	WG2554485
Benzo(a)pyrene	ND		0.0330	1	07/09/2025 02:14	WG2554485
Benzo(b)fluoranthene	ND		0.0330	1	07/09/2025 02:14	WG2554485
Benzo(g,h,i)perylene	ND		0.0330	1	07/09/2025 02:14	WG2554485
Benzo(k)fluoranthene	ND		0.0330	1	07/09/2025 02:14	WG2554485
Chrysene	ND		0.0330	1	07/09/2025 02:14	WG2554485
Dibenz(a,h)anthracene	ND		0.0330	1	07/09/2025 02:14	WG2554485
Fluoranthene	ND		0.0330	1	07/09/2025 02:14	WG2554485
Fluorene	ND		0.0330	1	07/09/2025 02:14	WG2554485
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	07/09/2025 02:14	WG2554485
Naphthalene	ND		0.00300	1	07/09/2025 02:14	WG2554485
Phenanthrene	ND		0.0330	1	07/09/2025 02:14	WG2554485
Pyrene	ND		0.0330	1	07/09/2025 02:14	WG2554485
1-Methylnaphthalene	ND		0.00300	1	07/09/2025 02:14	WG2554485
2-Methylnaphthalene	ND		0.0120	1	07/09/2025 02:14	WG2554485
(S) p-Terphenyl-d14	*71.7*		*23.0-120*		*07/09/2025 02:14*	WG2554485
(S) Nitrobenzene-d5	*64.1*		*14.0-149*		*07/09/2025 02:14*	WG2554485
(S) 2-Fluorobiphenyl	*60.7*		*34.0-125*		*07/09/2025 02:14*	WG2554485

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.298		1	07/09/2025 02:25	WG2552883

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 21:52	WG2555084

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.38		1	07/14/2025 10:04	WG2557128

Sample Narrative:

L1874352-04 WG2557128: 8.38 at 22.1C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.358	mmhos/cm		0.0100	1	07/15/2025 11:55	WG2571728

Sample Narrative:

L1874352-04 WG2571728: 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	07/11/2025 20:39	WG2552946

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.93		0.100	5	07/26/2025 13:28	WG2553671
Barium	89.4		10.0	5	07/26/2025 13:28	WG2553671
Cadmium	0.170		0.100	5	07/26/2025 13:28	WG2553671
Copper	ND		10.0	5	07/26/2025 13:28	WG2553671
Lead	ND		10.0	5	07/26/2025 13:28	WG2553671
Nickel	ND		10.0	5	07/26/2025 13:28	WG2553671
Selenium	0.328		0.100	5	07/26/2025 13:28	WG2553671
Silver	ND		0.500	5	07/26/2025 13:28	WG2553671
Zinc	ND		50.0	5	07/26/2025 13:28	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	07/02/2025 17:26	WG2551731
(S) a,a,a-Trifluorotoluene(FID)	*90.7*		*77.0-120*		*07/02/2025 17:26*	WG2551731

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 13:25	WG2552201
Ethylbenzene	ND		0.0100	1	07/03/2025 13:25	WG2552201
Toluene	ND		0.0100	1	07/03/2025 13:25	WG2552201
1,2,4-Trimethylbenzene	ND		0.00500	1	07/03/2025 13:25	WG2552201
1,3,5-Trimethylbenzene	ND		0.00500	1	07/03/2025 13:25	WG2552201
Xylenes, Total	ND		0.100	1	07/03/2025 13:25	WG2552201
(S) Toluene-d8	*93.1*		*75.0-131*		*07/03/2025 13:25*	WG2552201
(S) 4-Bromofluorobenzene	*102*		*67.0-138*		*07/03/2025 13:25*	WG2552201
(S) 1,2-Dichloroethane-d4	*109*		*70.0-130*		*07/03/2025 13:25*	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 12:33	WG2554449
C28-C36 Motor Oil Range	ND		4.00	1	07/08/2025 12:33	WG2554449
(S) o-Terphenyl	*38.3*		*18.0-148*		*07/08/2025 12:33*	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 02:31	WG2554485
Acenaphthene	ND		0.0330	1	07/09/2025 02:31	WG2554485
Acenaphthylene	ND		0.0330	1	07/09/2025 02:31	WG2554485
Benzo(a)anthracene	ND		0.00600	1	07/09/2025 02:31	WG2554485
Benzo(a)pyrene	ND		0.0330	1	07/09/2025 02:31	WG2554485
Benzo(b)fluoranthene	ND		0.0330	1	07/09/2025 02:31	WG2554485
Benzo(g,h,i)perylene	ND		0.0330	1	07/09/2025 02:31	WG2554485
Benzo(k)fluoranthene	ND		0.0330	1	07/09/2025 02:31	WG2554485
Chrysene	ND		0.0330	1	07/09/2025 02:31	WG2554485
Dibenz(a,h)anthracene	ND		0.0330	1	07/09/2025 02:31	WG2554485
Fluoranthene	ND		0.0330	1	07/09/2025 02:31	WG2554485
Fluorene	ND		0.0330	1	07/09/2025 02:31	WG2554485
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	07/09/2025 02:31	WG2554485
Naphthalene	ND		0.00300	1	07/09/2025 02:31	WG2554485
Phenanthrene	ND		0.0330	1	07/09/2025 02:31	WG2554485
Pyrene	ND		0.0330	1	07/09/2025 02:31	WG2554485
1-Methylnaphthalene	ND		0.00300	1	07/09/2025 02:31	WG2554485
2-Methylnaphthalene	ND		0.0120	1	07/09/2025 02:31	WG2554485
(S) p-Terphenyl-d14	*69.0*		*23.0-120*		*07/09/2025 02:31*	WG2554485
(S) Nitrobenzene-d5	*68.9*		*14.0-149*		*07/09/2025 02:31*	WG2554485
(S) 2-Fluorobiphenyl	*64.7*		*34.0-125*		*07/09/2025 02:31*	WG2554485

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.955		1	07/09/2025 02:31	WG2552883

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 22:01	WG2555084

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.99		1	07/14/2025 10:04	WG2557128

Sample Narrative:

L1874352-05 WG2557128: 7.99 at 22C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.296	mmhos/cm		0.0100	1	07/15/2025 11:55	WG2571728

Sample Narrative:

L1874352-05 WG2571728: 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	07/11/2025 19:46	WG2552946

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.70		0.100	5	07/26/2025 13:31	WG2553671
Barium	79.3		10.0	5	07/26/2025 13:31	WG2553671
Cadmium	ND		0.100	5	07/26/2025 13:31	WG2553671
Copper	ND		10.0	5	07/26/2025 13:31	WG2553671
Lead	ND		10.0	5	07/26/2025 13:31	WG2553671
Nickel	ND		10.0	5	07/26/2025 13:31	WG2553671
Selenium	0.303		0.100	5	07/26/2025 13:31	WG2553671
Silver	ND		0.500	5	07/26/2025 13:31	WG2553671
Zinc	ND		50.0	5	07/26/2025 13:31	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	07/02/2025 17:46	WG2551731
(S) a,a,a-Trifluorotoluene(FID)	*93.5*		*77.0-120*		*07/02/2025 17:46*	WG2551731

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 13:43	WG2552201
Ethylbenzene	ND		0.0100	1	07/03/2025 13:43	WG2552201
Toluene	ND		0.0100	1	07/03/2025 13:43	WG2552201
1,2,4-Trimethylbenzene	ND		0.00500	1	07/03/2025 13:43	WG2552201
1,3,5-Trimethylbenzene	ND		0.00500	1	07/03/2025 13:43	WG2552201
Xylenes, Total	ND		0.100	1	07/03/2025 13:43	WG2552201
(S) Toluene-d8	*92.5*		*75.0-131*		*07/03/2025 13:43*	WG2552201
(S) 4-Bromofluorobenzene	*105*		*67.0-138*		*07/03/2025 13:43*	WG2552201
(S) 1,2-Dichloroethane-d4	*114*		*70.0-130*		*07/03/2025 13:43*	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 12:33	WG2554449
C28-C36 Motor Oil Range	ND		4.00	1	07/08/2025 12:33	WG2554449
(S) o-Terphenyl	*37.0*		*18.0-148*		*07/08/2025 12:33*	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 02:49	WG2554485
Acenaphthene	ND		0.0330	1	07/09/2025 02:49	WG2554485
Acenaphthylene	ND		0.0330	1	07/09/2025 02:49	WG2554485
Benzo(a)anthracene	ND		0.00600	1	07/09/2025 02:49	WG2554485
Benzo(a)pyrene	ND		0.0330	1	07/09/2025 02:49	WG2554485
Benzo(b)fluoranthene	ND		0.0330	1	07/09/2025 02:49	WG2554485
Benzo(g,h,i)perylene	ND		0.0330	1	07/09/2025 02:49	WG2554485
Benzo(k)fluoranthene	ND		0.0330	1	07/09/2025 02:49	WG2554485
Chrysene	ND		0.0330	1	07/09/2025 02:49	WG2554485
Dibenz(a,h)anthracene	ND		0.0330	1	07/09/2025 02:49	WG2554485
Fluoranthene	ND		0.0330	1	07/09/2025 02:49	WG2554485
Fluorene	ND		0.0330	1	07/09/2025 02:49	WG2554485
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	07/09/2025 02:49	WG2554485
Naphthalene	ND		0.00300	1	07/09/2025 02:49	WG2554485
Phenanthrene	ND		0.0330	1	07/09/2025 02:49	WG2554485
Pyrene	ND		0.0330	1	07/09/2025 02:49	WG2554485
1-Methylnaphthalene	ND		0.00300	1	07/09/2025 02:49	WG2554485
2-Methylnaphthalene	ND		0.0120	1	07/09/2025 02:49	WG2554485
(S) p-Terphenyl-d14	*66.2*		*23.0-120*		*07/09/2025 02:49*	WG2554485
(S) Nitrobenzene-d5	*77.5*		*14.0-149*		*07/09/2025 02:49*	WG2554485
(S) 2-Fluorobiphenyl	*65.4*		*34.0-125*		*07/09/2025 02:49*	WG2554485

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.322		1	07/08/2025 17:06	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 22:19	WG2555084

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.25		1	07/09/2025 09:23	WG2571695

Sample Narrative:

L1874352-06 WG2571695: 8.25 at 22.8C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.447	mmhos/cm		0.0100	1	07/09/2025 19:45	WG2571696

Sample Narrative:

L1874352-06 WG2571696: 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 16:05	WG2552947

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.38		0.100	5	07/26/2025 13:34	WG2553671
Barium	49.9		10.0	5	07/26/2025 13:34	WG2553671
Cadmium	ND		0.100	5	07/26/2025 13:34	WG2553671
Copper	ND		10.0	5	07/26/2025 13:34	WG2553671
Lead	ND		10.0	5	07/26/2025 13:34	WG2553671
Nickel	ND		10.0	5	07/26/2025 13:34	WG2553671
Selenium	0.187		0.100	5	07/26/2025 13:34	WG2553671
Silver	ND		0.500	5	07/26/2025 13:34	WG2553671
Zinc	ND		50.0	5	07/26/2025 13:34	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		0.101	1.01	07/02/2025 18:06	WG2551731
(S) a,a,a-Trifluorotoluene(FID)	*93.7*		*77.0-120*		*07/02/2025 18:06*	WG2551731

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 14:02	WG2552201
Ethylbenzene	ND		0.0100	1	07/03/2025 14:02	WG2552201
Toluene	ND		0.0100	1	07/03/2025 14:02	WG2552201
1,2,4-Trimethylbenzene	ND		0.00500	1	07/03/2025 14:02	WG2552201
1,3,5-Trimethylbenzene	ND		0.00500	1	07/03/2025 14:02	WG2552201
Xylenes, Total	ND		0.100	1	07/03/2025 14:02	WG2552201
(S) Toluene-d8	*92.7*		*75.0-131*		*07/03/2025 14:02*	WG2552201
(S) 4-Bromofluorobenzene	*103*		*67.0-138*		*07/03/2025 14:02*	WG2552201
(S) 1,2-Dichloroethane-d4	*115*		*70.0-130*		*07/03/2025 14:02*	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 12:20	WG2554449
C28-C36 Motor Oil Range	ND		4.00	1	07/08/2025 12:20	WG2554449
(S) o-Terphenyl	*27.8*		*18.0-148*		*07/08/2025 12:20*	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 03:07	WG2554485
Acenaphthene	ND		0.0330	1	07/09/2025 03:07	WG2554485
Acenaphthylene	ND		0.0330	1	07/09/2025 03:07	WG2554485
Benzo(a)anthracene	ND		0.00600	1	07/09/2025 03:07	WG2554485
Benzo(a)pyrene	ND		0.0330	1	07/09/2025 03:07	WG2554485
Benzo(b)fluoranthene	ND		0.0330	1	07/09/2025 03:07	WG2554485
Benzo(g,h,i)perylene	ND		0.0330	1	07/09/2025 03:07	WG2554485
Benzo(k)fluoranthene	ND		0.0330	1	07/09/2025 03:07	WG2554485
Chrysene	ND		0.0330	1	07/09/2025 03:07	WG2554485
Dibenz(a,h)anthracene	ND		0.0330	1	07/09/2025 03:07	WG2554485
Fluoranthene	ND		0.0330	1	07/09/2025 03:07	WG2554485
Fluorene	ND		0.0330	1	07/09/2025 03:07	WG2554485
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	07/09/2025 03:07	WG2554485
Naphthalene	ND		0.00300	1	07/09/2025 03:07	WG2554485
Phenanthrene	ND		0.0330	1	07/09/2025 03:07	WG2554485
Pyrene	ND		0.0330	1	07/09/2025 03:07	WG2554485
1-Methylnaphthalene	ND		0.00300	1	07/09/2025 03:07	WG2554485
2-Methylnaphthalene	ND		0.0120	1	07/09/2025 03:07	WG2554485
(S) p-Terphenyl-d14	*78.6*		*23.0-120*		*07/09/2025 03:07*	WG2554485
(S) Nitrobenzene-d5	*81.3*		*14.0-149*		*07/09/2025 03:07*	WG2554485
(S) 2-Fluorobiphenyl	*74.4*		*34.0-125*		*07/09/2025 03:07*	WG2554485

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.114		1	07/08/2025 17:08	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 22:46	WG2555084

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.23		1	07/09/2025 09:23	WG2571695

Sample Narrative:

L1874352-07 WG2571695: 8.23 at 22.8C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.225	mmhos/cm		0.0100	1	07/09/2025 19:45	WG2571696

Sample Narrative:

L1874352-07 WG2571696: 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 16:08	WG2552947

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.57		0.100	5	07/26/2025 13:38	WG2553671
Barium	56.7		10.0	5	07/26/2025 13:38	WG2553671
Cadmium	ND		0.100	5	07/26/2025 13:38	WG2553671
Copper	ND		10.0	5	07/26/2025 13:38	WG2553671
Lead	ND		10.0	5	07/26/2025 13:38	WG2553671
Nickel	ND		10.0	5	07/26/2025 13:38	WG2553671
Selenium	0.352		0.100	5	07/26/2025 13:38	WG2553671
Silver	ND		0.500	5	07/26/2025 13:38	WG2553671
Zinc	ND		50.0	5	07/26/2025 13:38	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	07/02/2025 18:25	WG2551731
(S) a,a,a-Trifluorotoluene(FID)	*91.0*		*77.0-120*		*07/02/2025 18:25*	WG2551731

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 14:21	WG2552201
Ethylbenzene	ND		0.0100	1	07/03/2025 14:21	WG2552201
Toluene	ND		0.0100	1	07/03/2025 14:21	WG2552201
1,2,4-Trimethylbenzene	ND		0.00500	1	07/03/2025 14:21	WG2552201
1,3,5-Trimethylbenzene	ND		0.00500	1	07/03/2025 14:21	WG2552201
Xylenes, Total	ND		0.100	1	07/03/2025 14:21	WG2552201
(S) Toluene-d8	*94.4*		*75.0-131*		*07/03/2025 14:21*	WG2552201
(S) 4-Bromofluorobenzene	*107*		*67.0-138*		*07/03/2025 14:21*	WG2552201
(S) 1,2-Dichloroethane-d4	*117*		*70.0-130*		*07/03/2025 14:21*	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	*49.8*		*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 03:25	WG2554485
Acenaphthene	ND		0.0330	1	07/09/2025 03:25	WG2554485
Acenaphthylene	ND		0.0330	1	07/09/2025 03:25	WG2554485
Benzo(a)anthracene	ND		0.00600	1	07/09/2025 03:25	WG2554485
Benzo(a)pyrene	ND		0.0330	1	07/09/2025 03:25	WG2554485
Benzo(b)fluoranthene	ND		0.0330	1	07/09/2025 03:25	WG2554485
Benzo(g,h,i)perylene	ND		0.0330	1	07/09/2025 03:25	WG2554485
Benzo(k)fluoranthene	ND		0.0330	1	07/09/2025 03:25	WG2554485
Chrysene	ND		0.0330	1	07/09/2025 03:25	WG2554485
Dibenz(a,h)anthracene	ND		0.0330	1	07/09/2025 03:25	WG2554485
Fluoranthene	ND		0.0330	1	07/09/2025 03:25	WG2554485
Fluorene	ND		0.0330	1	07/09/2025 03:25	WG2554485
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	07/09/2025 03:25	WG2554485
Naphthalene	ND		0.00300	1	07/09/2025 03:25	WG2554485
Phenanthrene	ND		0.0330	1	07/09/2025 03:25	WG2554485
Pyrene	ND		0.0330	1	07/09/2025 03:25	WG2554485
1-Methylnaphthalene	ND		0.00300	1	07/09/2025 03:25	WG2554485
2-Methylnaphthalene	ND		0.0120	1	07/09/2025 03:25	WG2554485
(S) p-Terphenyl-d14	*84.5*		*23.0-120*		*07/09/2025 03:25*	WG2554485
(S) Nitrobenzene-d5	*82.0*		*14.0-149*		*07/09/2025 03:25*	WG2554485
(S) 2-Fluorobiphenyl	*72.7*		*34.0-125*		*07/09/2025 03:25*	WG2554485

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.151		1	07/08/2025 17:09	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 22:55	WG2555084

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.31		1	07/09/2025 09:23	WG2571695

Sample Narrative:

L1874352-08 WG2571695: 8.31 at 22.8C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.297	mmhos/cm		0.0100	1	07/09/2025 19:45	WG2571696

Sample Narrative:

L1874352-08 WG2571696: 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 16:11	WG2552947

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.96		0.100	5	07/26/2025 13:41	WG2553671
Barium	61.2		10.0	5	07/26/2025 13:41	WG2553671
Cadmium	0.102		0.100	5	07/26/2025 13:41	WG2553671
Copper	ND		10.0	5	07/26/2025 13:41	WG2553671
Lead	ND		10.0	5	07/26/2025 13:41	WG2553671
Nickel	ND		10.0	5	07/26/2025 13:41	WG2553671
Selenium	0.275		0.100	5	07/26/2025 13:41	WG2553671
Silver	ND		0.500	5	07/26/2025 13:41	WG2553671
Zinc	ND		50.0	5	07/26/2025 13:41	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	07/02/2025 18:45	WG2551731
(S) a,a,a-Trifluorotoluene(FID)	*92.1*		*77.0-120*		*07/02/2025 18:45*	WG2551731

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 14:40	WG2552201
Ethylbenzene	ND		0.0100	1	07/03/2025 14:40	WG2552201
Toluene	ND		0.0100	1	07/03/2025 14:40	WG2552201
1,2,4-Trimethylbenzene	ND		0.00500	1	07/03/2025 14:40	WG2552201
1,3,5-Trimethylbenzene	ND		0.00500	1	07/03/2025 14:40	WG2552201
Xylenes, Total	ND		0.100	1	07/03/2025 14:40	WG2552201
(S) Toluene-d8	*94.3*		*75.0-131*		*07/03/2025 14:40*	WG2552201
(S) 4-Bromofluorobenzene	*104*		*67.0-138*		*07/03/2025 14:40*	WG2552201
(S) 1,2-Dichloroethane-d4	*114*		*70.0-130*		*07/03/2025 14:40*	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 11:55	WG2554449
C28-C36 Motor Oil Range	ND		4.00	1	07/08/2025 11:55	WG2554449
(S) o-Terphenyl	*37.0*		*18.0-148*		*07/08/2025 11:55*	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 06:58	WG2554485
Acenaphthene	ND		0.0330	1	07/09/2025 06:58	WG2554485
Acenaphthylene	ND		0.0330	1	07/09/2025 06:58	WG2554485
Benzo(a)anthracene	ND		0.00600	1	07/09/2025 06:58	WG2554485
Benzo(a)pyrene	ND		0.0330	1	07/09/2025 06:58	WG2554485
Benzo(b)fluoranthene	ND		0.0330	1	07/09/2025 06:58	WG2554485
Benzo(g,h,i)perylene	ND		0.0330	1	07/09/2025 06:58	WG2554485
Benzo(k)fluoranthene	ND		0.0330	1	07/09/2025 06:58	WG2554485
Chrysene	ND		0.0330	1	07/09/2025 06:58	WG2554485
Dibenz(a,h)anthracene	ND		0.0330	1	07/09/2025 06:58	WG2554485
Fluoranthene	ND		0.0330	1	07/09/2025 06:58	WG2554485
Fluorene	ND		0.0330	1	07/09/2025 06:58	WG2554485
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	07/09/2025 06:58	WG2554485
Naphthalene	ND		0.00300	1	07/09/2025 06:58	WG2554485
Phenanthrene	ND		0.0330	1	07/09/2025 06:58	WG2554485
Pyrene	ND		0.0330	1	07/09/2025 06:58	WG2554485
1-Methylnaphthalene	ND		0.00300	1	07/09/2025 06:58	WG2554485
2-Methylnaphthalene	ND		0.0120	1	07/09/2025 06:58	WG2554485
(S) p-Terphenyl-d14	*71.2*		*23.0-120*		*07/09/2025 06:58*	WG2554485
(S) Nitrobenzene-d5	*65.4*		*14.0-149*		*07/09/2025 06:58*	WG2554485
(S) 2-Fluorobiphenyl	*61.7*		*34.0-125*		*07/09/2025 06:58*	WG2554485

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.208		1	07/08/2025 17:11	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 23:04	WG2555084

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.09		1	07/09/2025 09:23	WG2571695

Sample Narrative:

L1874352-09 WG2571695: 8.09 at 22.9C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.329	mmhos/cm		0.0100	1	07/09/2025 19:45	WG2571696

Sample Narrative:

L1874352-09 WG2571696: 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 16:14	WG2552947

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.77		0.100	5	07/26/2025 13:44	WG2553671
Barium	62.3		10.0	5	07/26/2025 13:44	WG2553671
Cadmium	ND		0.100	5	07/26/2025 13:44	WG2553671
Copper	ND		10.0	5	07/26/2025 13:44	WG2553671
Lead	ND		10.0	5	07/26/2025 13:44	WG2553671
Nickel	ND		10.0	5	07/26/2025 13:44	WG2553671
Selenium	0.294		0.100	5	07/26/2025 13:44	WG2553671
Silver	ND		0.500	5	07/26/2025 13:44	WG2553671
Zinc	ND		50.0	5	07/26/2025 13:44	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	07/02/2025 19:04	WG2551731
(S) a,a,a-Trifluorotoluene(FID)	*92.8*		*77.0-120*		*07/02/2025 19:04*	WG2551731

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 14:59	WG2552201
Ethylbenzene	ND		0.0100	1	07/03/2025 14:59	WG2552201
Toluene	ND		0.0100	1	07/03/2025 14:59	WG2552201
1,2,4-Trimethylbenzene	ND		0.00500	1	07/03/2025 14:59	WG2552201
1,3,5-Trimethylbenzene	ND		0.00500	1	07/03/2025 14:59	WG2552201
Xylenes, Total	ND		0.100	1	07/03/2025 14:59	WG2552201
(S) Toluene-d8	*96.5*		*75.0-131*		*07/03/2025 14:59*	WG2552201
(S) 4-Bromofluorobenzene	*105*		*67.0-138*		*07/03/2025 14:59*	WG2552201
(S) 1,2-Dichloroethane-d4	*117*		*70.0-130*		*07/03/2025 14:59*	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 12:58	WG2554449
C28-C36 Motor Oil Range	ND		4.00	1	07/08/2025 12:58	WG2554449
(S) o-Terphenyl	*54.0*		*18.0-148*		*07/08/2025 12:58*	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 03:43	WG2554485
Acenaphthene	ND		0.0330	1	07/09/2025 03:43	WG2554485
Acenaphthylene	ND		0.0330	1	07/09/2025 03:43	WG2554485
Benzo(a)anthracene	ND		0.00600	1	07/09/2025 03:43	WG2554485
Benzo(a)pyrene	ND		0.0330	1	07/09/2025 03:43	WG2554485
Benzo(b)fluoranthene	ND		0.0330	1	07/09/2025 03:43	WG2554485
Benzo(g,h,i)perylene	ND		0.0330	1	07/09/2025 03:43	WG2554485
Benzo(k)fluoranthene	ND		0.0330	1	07/09/2025 03:43	WG2554485
Chrysene	ND		0.0330	1	07/09/2025 03:43	WG2554485
Dibenz(a,h)anthracene	ND		0.0330	1	07/09/2025 03:43	WG2554485
Fluoranthene	ND		0.0330	1	07/09/2025 03:43	WG2554485
Fluorene	ND		0.0330	1	07/09/2025 03:43	WG2554485
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	07/09/2025 03:43	WG2554485
Naphthalene	ND		0.00300	1	07/09/2025 03:43	WG2554485
Phenanthrene	ND		0.0330	1	07/09/2025 03:43	WG2554485
Pyrene	ND		0.0330	1	07/09/2025 03:43	WG2554485
1-Methylnaphthalene	ND		0.00300	1	07/09/2025 03:43	WG2554485
2-Methylnaphthalene	ND		0.0120	1	07/09/2025 03:43	WG2554485
(S) p-Terphenyl-d14	*80.8*		*23.0-120*		*07/09/2025 03:43*	WG2554485
(S) Nitrobenzene-d5	*76.0*		*14.0-149*		*07/09/2025 03:43*	WG2554485
(S) 2-Fluorobiphenyl	*69.9*		*34.0-125*		*07/09/2025 03:43*	WG2554485

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.673		1	07/08/2025 17:13	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 23:13	WG2555084

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.14		1	07/09/2025 09:23	WG2571695

Sample Narrative:

L1874352-10 WG2571695: 8.14 at 22.8C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.676	mmhos/cm		0.0100	1	07/09/2025 19:45	WG2571696

Sample Narrative:

L1874352-10 WG2571696: 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 16:17	WG2552947

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.61		0.100	5	07/26/2025 13:54	WG2553671
Barium	82.3		10.0	5	07/26/2025 13:54	WG2553671
Cadmium	ND		0.100	5	07/26/2025 13:54	WG2553671
Copper	ND		10.0	5	07/26/2025 13:54	WG2553671
Lead	ND		10.0	5	07/26/2025 13:54	WG2553671
Nickel	ND		10.0	5	07/26/2025 13:54	WG2553671
Selenium	0.282		0.100	5	07/26/2025 13:54	WG2553671
Silver	ND		0.500	5	07/26/2025 13:54	WG2553671
Zinc	ND		50.0	5	07/26/2025 13:54	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	07/02/2025 19:29	WG2551731
(S) a,a,a-Trifluorotoluene(FID)	*91.7*		*77.0-120*		*07/02/2025 19:29*	WG2551731

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 15:17	WG2552201
Ethylbenzene	ND		0.0100	1	07/03/2025 15:17	WG2552201
Toluene	ND		0.0100	1	07/03/2025 15:17	WG2552201
1,2,4-Trimethylbenzene	ND		0.00500	1	07/03/2025 15:17	WG2552201
1,3,5-Trimethylbenzene	ND		0.00500	1	07/03/2025 15:17	WG2552201
Xylenes, Total	ND		0.100	1	07/03/2025 15:17	WG2552201
(S) Toluene-d8	*93.8*		*75.0-131*		*07/03/2025 15:17*	WG2552201
(S) 4-Bromofluorobenzene	*103*		*67.0-138*		*07/03/2025 15:17*	WG2552201
(S) 1,2-Dichloroethane-d4	*111*		*70.0-130*		*07/03/2025 15:17*	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 13:11	WG2554449
C28-C36 Motor Oil Range	ND		4.00	1	07/08/2025 13:11	WG2554449
(S) o-Terphenyl	*45.5*		*18.0-148*		*07/08/2025 13:11*	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 04:01	WG2554485
Acenaphthene	ND		0.0330	1	07/09/2025 04:01	WG2554485
Acenaphthylene	ND		0.0330	1	07/09/2025 04:01	WG2554485
Benzo(a)anthracene	ND		0.00600	1	07/09/2025 04:01	WG2554485
Benzo(a)pyrene	ND		0.0330	1	07/09/2025 04:01	WG2554485
Benzo(b)fluoranthene	ND		0.0330	1	07/09/2025 04:01	WG2554485
Benzo(g,h,i)perylene	ND		0.0330	1	07/09/2025 04:01	WG2554485
Benzo(k)fluoranthene	ND		0.0330	1	07/09/2025 04:01	WG2554485
Chrysene	ND		0.0330	1	07/09/2025 04:01	WG2554485
Dibenz(a,h)anthracene	ND		0.0330	1	07/09/2025 04:01	WG2554485
Fluoranthene	ND		0.0330	1	07/09/2025 04:01	WG2554485
Fluorene	ND		0.0330	1	07/09/2025 04:01	WG2554485
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	07/09/2025 04:01	WG2554485
Naphthalene	ND		0.00300	1	07/09/2025 04:01	WG2554485
Phenanthrene	ND		0.0330	1	07/09/2025 04:01	WG2554485
Pyrene	ND		0.0330	1	07/09/2025 04:01	WG2554485
1-Methylnaphthalene	ND		0.00300	1	07/09/2025 04:01	WG2554485
2-Methylnaphthalene	ND		0.0120	1	07/09/2025 04:01	WG2554485
(S) p-Terphenyl-d14	*67.2*		*23.0-120*		*07/09/2025 04:01*	WG2554485
(S) Nitrobenzene-d5	*83.1*		*14.0-149*		*07/09/2025 04:01*	WG2554485
(S) 2-Fluorobiphenyl	*67.2*		*34.0-125*		*07/09/2025 04:01*	WG2554485

QUALITY CONTROL SUMMARY

L1874352-01,02,03,04,05,06,07,08,09,10

Method Blank (MB)

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

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

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

Laboratory Control Sample (LCS)

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

Analyte	Spike Amount mg/kg	LCS Result mg/kg	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 mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Hexavalent Chromium	20.0	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 mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	648	0.314	642	99.0	50	75.0-125	

L1874352-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1874352-01 07/14/25 14:21 • (DUP) R4244660-2 07/14/25 14:21

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.03	8.05	1	0.249		1

Sample Narrative:

OS: 8.03 at 23.4C

DUP: 8.05 at 23.5C

L1875306-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1875306-10 07/14/25 14:21 • (DUP) R4244660-3 07/14/25 14:21

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	6.44	6.47	1	0.465		1

Sample Narrative:

OS: 6.44 at 23.2C

DUP: 6.47 at 23.3C

Laboratory Control Sample (LCS)

(LCS) R4244660-1 07/14/25 14:21

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	su	su	%	%	
pH	10.0	9.90	99.0	99.0-101	

Sample Narrative:

LCS: 9.9 at 23.2C

L1874352-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1874352-02 07/14/25 10:04 • (DUP) R4244517-2 07/14/25 10:04

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.09	8.12	1	0.370		1

Sample Narrative:

OS: 8.09 at 22.1C

DUP: 8.12 at 21.9C

L1874801-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1874801-12 07/14/25 10:04 • (DUP) R4244517-3 07/14/25 10:04

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.12	8.13	1	0.123		1

Sample Narrative:

OS: 8.12 at 21.6C

DUP: 8.13 at 21.8C

Laboratory Control Sample (LCS)

(LCS) R4244517-1 07/14/25 10:04

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

Sample Narrative:

LCS: 9.95 at 21C

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

(OS) L1874157-09 07/09/25 09:23 • (DUP) R4253202-3 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

Laboratory Control Sample (LCS)

(LCS) R4253202-1 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) R4253205-1 07/09/25 19:45

Analyte	MB Result mmhos/cm	MB Qualifier	MB MDL mmhos/cm	MB RDL mmhos/cm
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) R4253205-3 07/09/25 19:45

Analyte	Original Result mmhos/cm	DUP Result mmhos/cm	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

Laboratory Control Sample (LCS)

(LCS) R4253205-2 07/09/25 19:45

Analyte	Spike Amount mmhos/cm	LCS Result mmhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	0.581	0.571	98.3	90.0-110	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4253257-1 07/15/25 18:00

Analyte	MB Result mmhos/cm	MB Qualifier	MB MDL mmhos/cm	MB RDL mmhos/cm
Specific Conductance	U		0.0100	0.0100

Sample Narrative:
BLANK: at 25C

L1875306-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1875306-09 07/15/25 18:00 • (DUP) R4253257-3 07/15/25 18:00

Analyte	Original Result mmhos/cm	DUP Result mmhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	0.0446	0.0448	1	0.447		20

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

Laboratory Control Sample (LCS)

(LCS) R4253257-2 07/15/25 18:00

Analyte	Spike Amount mmhos/cm	LCS Result mmhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	0.581	0.569	97.9	90.0-110	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4253263-1 07/15/25 11:55

Analyte	MB Result mmhos/cm	MB Qualifier	MB MDL mmhos/cm	MB RDL mmhos/cm
Specific Conductance	U		0.0100	0.0100

Sample Narrative:
BLANK: at 25C

L1874801-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1874801-11 07/15/25 11:55 • (DUP) R4253263-3 07/15/25 11:55

Analyte	Original Result mmhos/cm	DUP Result mmhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	0.127	0.127	1	0.0788		20

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

L1874352-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1874352-03 07/15/25 11:55 • (DUP) R4253263-4 07/15/25 11:55

Analyte	Original Result mmhos/cm	DUP Result mmhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	0.308	0.308	1	0.000		20

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

Laboratory Control Sample (LCS)

(LCS) R4253263-2 07/15/25 11:55

Analyte	Spike Amount mmhos/cm	LCS Result mmhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	0.581	0.582	100	90.0-110	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4244046-1 07/11/25 17:29

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) R4244046-2 07/11/25 17:32 • (LCSD) R4244046-3 07/11/25 17:34

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	1.01	0.926	101	92.6	80.0-120			8.51	20

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

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

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) R4239922-3 07/02/25 10:36

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)	*96.9*			*77.0-120*

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

(LCS) R4239922-1 07/02/25 09:00 • (LCSD) R4239922-2 07/02/25 09:46

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	4.31	4.51	86.2	90.2	72.0-127			4.54	20
(S) a,a,a-Trifluorotoluene(FID)				*101*	*100*	*77.0-120*				

Method Blank (MB)

(MB) R4241056-3 07/03/25 10:02

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL 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*

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 mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	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 mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	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
(S) o-Terphenyl	*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	
(S) o-Terphenyl			*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
(S) o-Terphenyl					*45.9*	*50.0*		*18.0-148*				

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
(S) p-Terphenyl-d14	*82.3*			*23.0-120*
(S) Nitrobenzene-d5	*91.5*			*14.0-149*
(S) 2-Fluorobiphenyl	*75.1*			*34.0-125*

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 %	LCS Qualifier
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	
(S) p-Terphenyl-d14			*61.8*	*23.0-120*	
(S) Nitrobenzene-d5			*70.6*	*14.0-149*	
(S) 2-Fluorobiphenyl			*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 %	MS Qualifier	MSD Qualifier	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
(S) p-Terphenyl-d14					*65.2*	*62.6*		*23.0-120*				
(S) Nitrobenzene-d5					*77.3*	*73.6*		*14.0-149*				
(S) 2-Fluorobiphenyl					*65.4*	*60.9*		*34.0-125*				

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

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

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 1 of 1

MT JULIET, TN

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

Report to:
Nathan Champlin - 406-671-8273

Email To:
Nathan.Champlin@erm.com

Project Description:
Chevron RBU/STORER A 12-2

City/State Collected: CO

Please Circle: PT
MT CT ET

SDG # 187432

J017

Regulatory Program(DOD,RCRA,DW,etc):

Client Project #
0736294

Lab Project #
CHEGCO-ERM

Collected by (print):
BS, NS, KR, HS, CW, CF, PC, JT

Site/Facility ID #123-23275

P.O. AFE #UWRWEA4054ABN

Collected by (signature):
Immediately
Packed on Ice N ____ Y __X__

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

Quote #

Acctnum: **CHEGCO**
Template:**T270815** Prelogin:
P1140477 PM: **824 - Chris Ward**
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Full Table 915 4oz Clear No Pres									Remarks	Sample # (lab only)
33867-SP-01-SO-4-20250627	G	SS	4	6/27/2025	1140	3	x										-01
33867-SP-01-SO-6-20250627	G	SS	6	6/27/2025	1155	3	x										-02
33867-SP-01-E-SO-4-20250627	G	SS	4	6/27/2025	1140	3	x										-03
33867-SP-01-E-SO-6-20250627	G	SS	6	6/27/2025	1155	3	x										-04
33867-SP-01-N-SO-4-20250627	G	SS	4	6/27/2025	1055	3	x										-05
33867-SP-01-N-SO-6-20250627	G	SS	6	6/27/2025	1110	3	x										-06
33867-SP-01-S-SO-4-20250627	G	SS	4	6/27/2025	1145	3	x										-07
33867-SP-01-S-SO-6-20250627	G	SS	6	6/27/2025	1200	3	x										-08
33867-SP-01-W-SO-4-20250627	G	SS	4	6/27/2025	1055	3	x										-09
33867-SP-01-W-SO-6-20250627	G	SS	6	6/27/2025	1105	3	x										-10

* 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 #

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes (No) HCL / MeoH TBR	
	6/27/25	1400			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 30	If preservation required by Login: Date/Time
	06/27/25	1800	SWA.		
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: / Condition: NCF / (OK)
				6/28/25 0800	

Multiple Parcel Form

L# 1874352

Parcel Tracking Number	Infrared Thermometer ID	Temperature Reading (°C)	Correction Factor (°C)	Corrected Temperature (°C)	Custody Seal Intact
	TLA9	2.3	+.4	2.7	Yes / No / Not Present
	TLA9	2.1	+.4	2.5	Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present

Name

6/28/25

Date