

Chevron - CO

Sample Delivery Group: L1850129
Samples Received: 04/20/2025
Project Number: 32829
Description: Born Sitzman 5 FL

Report To: CDH Team
2115 117th Avenue
Greeley, CO 80631

Entire Report Reviewed By:



Chris Ward
Project Manager

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Pace Analytical National

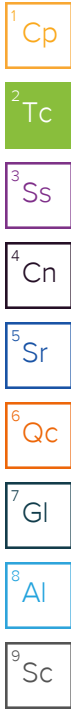
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

TABLE OF CONTENTS

Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	4
Cn: Case Narrative	12
Sr: Sample Results	13
FL01-01 @ 3' L1850129-01	13
FL01-02 @ 3' L1850129-02	15
FL02-01 @ 3' L1850129-03	17
FL03-01 @ 3' L1850129-04	19
FL04-01 @ 3' L1850129-05	21
FL05-01 @ 3' L1850129-06	23
FL06-01 @ 3' L1850129-07	25
FL07-01 @ 3' L1850129-08	27
FL01-03 @ 4' L1850129-09	29
FL02-02 @ 4' L1850129-10	31
FL03-02 @ 4' L1850129-11	33
FL04-02 @ 4' L1850129-12	35
FL02-05 @ 4' L1850129-13	37
FL02-06 @ 3' L1850129-14	39
FL02-07 @ 3' L1850129-15	41
FL03-05 @ 3' L1850129-16	43
FL03-06 @ 3' L1850129-17	45
FL01-04 @ 3' L1850129-18	47
FL02-03 @ 3' L1850129-19	49
FL03-03 @ 3' L1850129-20	51
FL04-03 @ 3' L1850129-21	53
FL05-03 @ 3' L1850129-22	55
FL01-05 @ 3' L1850129-23	57
FL02-04 @ 3' L1850129-24	59
FL03-04 @ 3' L1850129-25	61
FL04-04 @ 3' L1850129-26	63
FL05-04 @ 3' L1850129-27	65
Qc: Quality Control Summary	67
Wet Chemistry by Method 7199	67
Wet Chemistry by Method 9045D	70
Wet Chemistry by Method 9050AMod	75
Metals (ICP) by Method 6010B-NE493 Ch 2	80
Metals (ICPMS) by Method 6020	86
Volatile Organic Compounds (GC) by Method 8015D/GRO	88
Volatile Organic Compounds (GC/MS) by Method 8260B	91

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

Semi-Volatile Organic Compounds (GC) by Method 8015M	94
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	96
GI: Glossary of Terms	102
AI: Accreditations & Locations	103
Sc: Sample Chain of Custody	104



SAMPLE SUMMARY

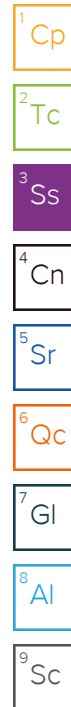
FL01-01 @ 3' L1850129-01 Solid

Collected by
Jack W.

Collected date/time
04/18/25 10:12

Received date/time
04/20/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2497859	1	04/27/25 12:52	04/27/25 12:52	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2496152	1	04/24/25 23:31	04/27/25 16:34	ANW	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2500941	1	04/26/25 23:03	04/27/25 15:40	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2500942	1	04/26/25 23:06	04/27/25 18:27	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2497951	1	04/25/25 22:28	04/26/25 05:49	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2496618	5	04/23/25 07:26	04/23/25 16:10	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2497930	1	04/22/25 12:59	04/23/25 15:33	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2499471	1	04/22/25 12:59	04/25/25 01:27	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498970	1	04/25/25 06:47	04/25/25 19:55	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2498607	1	04/24/25 11:36	04/25/25 12:14	KB	Mt. Juliet, TN



FL01-02 @ 3' L1850129-02 Solid

Collected by
Jack W.

Collected date/time
04/18/25 10:44

Received date/time
04/20/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2497859	1	04/27/25 12:54	04/27/25 12:54	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2496152	1	04/24/25 23:31	04/27/25 16:44	ANW	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2500941	1	04/26/25 23:03	04/27/25 15:40	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2500942	1	04/26/25 23:06	04/27/25 18:27	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2497951	1	04/25/25 22:28	04/26/25 05:51	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2496618	5	04/23/25 07:26	04/23/25 16:13	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2497930	1	04/22/25 12:59	04/23/25 15:52	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2499471	1	04/22/25 12:59	04/25/25 01:46	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498970	1	04/25/25 06:47	04/25/25 13:09	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2498607	1	04/24/25 11:36	04/25/25 12:31	KB	Mt. Juliet, TN

FL02-01 @ 3' L1850129-03 Solid

Collected by
Jack W.

Collected date/time
04/18/25 10:46

Received date/time
04/20/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2498725	1	04/26/25 11:55	04/26/25 11:55	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2496152	1	04/24/25 23:31	04/27/25 16:55	ANW	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2500491	1	04/26/25 08:00	04/26/25 10:27	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2500500	1	04/26/25 09:39	04/26/25 15:00	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2498730	1	04/24/25 22:32	04/25/25 21:44	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2496618	5	04/23/25 07:26	04/23/25 14:44	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2497930	1	04/22/25 12:59	04/23/25 16:12	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2499471	1	04/22/25 12:59	04/25/25 02:06	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498970	1	04/25/25 06:47	04/25/25 13:24	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2498607	1	04/24/25 11:36	04/25/25 12:48	KB	Mt. Juliet, TN

FL03-01 @ 3' L1850129-04 Solid

Collected by
Jack W.

Collected date/time
04/18/25 10:48

Received date/time
04/20/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2498130	1	04/24/25 15:44	04/24/25 15:44	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2496152	1	04/24/25 23:31	04/27/25 17:05	ANW	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2499069	1	04/24/25 13:43	04/24/25 14:54	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2499072	1	04/24/25 12:00	04/24/25 14:17	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2498140	1	04/25/25 03:48	04/25/25 16:16	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2496618	5	04/23/25 07:26	04/23/25 16:16	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2497930	1	04/22/25 12:59	04/23/25 16:31	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2499471	1	04/22/25 12:59	04/25/25 02:25	WHS	Mt. Juliet, TN

SAMPLE SUMMARY

FL03-01 @ 3' L1850129-04 Solid

				Collected by Jack W.	Collected date/time 04/18/25 10:48	Received date/time 04/20/25 10:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498970	1	04/25/25 06:47	04/25/25 15:05	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2498607	1	04/24/25 11:36	04/25/25 13:06	KB	Mt. Juliet, TN

FL04-01 @ 3' L1850129-05 Solid

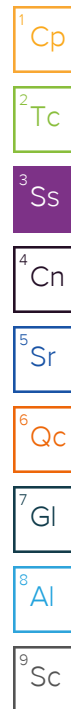
				Collected by Jack W.	Collected date/time 04/18/25 10:50	Received date/time 04/20/25 10:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2497859	1	04/27/25 12:56	04/27/25 12:56	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2496152	1	04/24/25 23:31	04/27/25 17:16	ANW	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2500941	1	04/26/25 23:03	04/27/25 15:40	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2500942	1	04/26/25 23:06	04/27/25 18:27	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2497951	1	04/25/25 22:28	04/26/25 05:53	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2496618	5	04/23/25 07:26	04/23/25 16:19	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2497930	1	04/22/25 12:59	04/23/25 16:50	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2499471	1	04/22/25 12:59	04/25/25 02:44	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498970	1	04/25/25 06:47	04/25/25 16:03	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2498607	1	04/24/25 11:36	04/25/25 14:15	KB	Mt. Juliet, TN

FL05-01 @ 3' L1850129-06 Solid

				Collected by Jack W.	Collected date/time 04/18/25 10:52	Received date/time 04/20/25 10:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2497859	1	04/27/25 12:57	04/27/25 12:57	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2496152	1	04/24/25 23:31	04/27/25 17:37	ANW	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2500941	1	04/26/25 23:03	04/27/25 15:40	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2500942	1	04/26/25 23:06	04/27/25 18:27	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2497951	1	04/25/25 22:28	04/26/25 05:05	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2496618	5	04/23/25 07:26	04/23/25 16:23	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2497930	1	04/22/25 12:59	04/23/25 17:31	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2499471	1	04/22/25 12:59	04/25/25 03:03	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498970	1	04/25/25 06:47	04/25/25 14:36	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2498607	1	04/24/25 11:36	04/25/25 14:32	KB	Mt. Juliet, TN

FL06-01 @ 3' L1850129-07 Solid

				Collected by Jack W.	Collected date/time 04/18/25 10:54	Received date/time 04/20/25 10:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2497859	1	04/27/25 12:59	04/27/25 12:59	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2496152	1	04/24/25 23:31	04/27/25 17:47	ANW	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2500941	1	04/26/25 23:03	04/27/25 15:40	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2500942	1	04/26/25 23:06	04/27/25 18:27	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2497951	1	04/25/25 22:28	04/26/25 05:07	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2496618	5	04/23/25 07:26	04/23/25 16:26	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2497930	1	04/22/25 12:59	04/23/25 17:53	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2499471	1	04/22/25 12:59	04/25/25 03:23	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498970	1	04/25/25 06:47	04/25/25 14:22	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2498607	1	04/24/25 11:36	04/25/25 13:23	KB	Mt. Juliet, TN



SAMPLE SUMMARY

FL07-01 @ 3' L1850129-08 Solid

Collected by
Jack W.

Collected date/time
04/18/25 10:56

Received date/time
04/20/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2497859	1	04/27/25 13:04	04/27/25 13:04	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2496152	1	04/24/25 23:31	04/27/25 17:58	ANW	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2500941	1	04/26/25 23:03	04/27/25 15:40	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2500942	1	04/26/25 23:06	04/27/25 18:27	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2497951	1	04/25/25 22:28	04/26/25 05:09	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2496621	5	04/22/25 14:27	04/25/25 13:12	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2497930	1	04/22/25 12:59	04/23/25 18:41	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2499471	1	04/22/25 12:59	04/25/25 03:42	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498970	1	04/25/25 06:47	04/25/25 19:12	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2498607	1	04/24/25 11:36	04/25/25 13:40	KB	Mt. Juliet, TN



FL01-03 @ 4' L1850129-09 Solid

Collected by
Jack W.

Collected date/time
04/18/25 11:08

Received date/time
04/20/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2497866	1	04/25/25 20:10	04/25/25 20:10	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2496152	1	04/24/25 23:31	04/27/25 18:08	ANW	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2500238	1	04/25/25 15:00	04/25/25 17:15	BRT	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2500244	1	04/25/25 17:01	04/25/25 19:14	BRT	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2497954	1	04/25/25 22:23	04/26/25 14:35	BAG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2496621	5	04/22/25 14:27	04/25/25 13:15	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2500002	1	04/22/25 12:59	04/25/25 15:51	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2499471	1	04/22/25 12:59	04/25/25 04:02	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498970	1	04/25/25 06:47	04/25/25 14:07	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2498607	1	04/24/25 11:36	04/25/25 13:58	KB	Mt. Juliet, TN

FL02-02 @ 4' L1850129-10 Solid

Collected by
Jack W.

Collected date/time
04/18/25 11:10

Received date/time
04/20/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2497866	1	04/25/25 20:13	04/25/25 20:13	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2496152	1	04/24/25 23:31	04/27/25 18:40	ANW	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2500238	1	04/25/25 15:00	04/25/25 17:15	BRT	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2500244	1	04/25/25 17:01	04/25/25 19:14	BRT	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2497954	1	04/25/25 22:23	04/26/25 14:37	BAG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2496621	5	04/22/25 14:27	04/25/25 13:18	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2497930	1	04/22/25 12:59	04/23/25 19:04	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2499471	1	04/22/25 12:59	04/25/25 04:21	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498970	1	04/25/25 06:47	04/25/25 13:53	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2498607	1	04/24/25 11:36	04/25/25 14:50	KB	Mt. Juliet, TN

FL03-02 @ 4' L1850129-11 Solid

Collected by
Jack W.

Collected date/time
04/18/25 11:12

Received date/time
04/20/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2498130	1	04/24/25 14:41	04/24/25 14:41	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2499964	1	04/25/25 14:19	04/28/25 16:07	ANW	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2499069	1	04/24/25 13:43	04/24/25 14:54	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2499072	1	04/24/25 12:00	04/24/25 14:17	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2498140	1	04/25/25 03:48	04/25/25 16:19	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2496621	5	04/22/25 14:27	04/25/25 13:28	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2497930	1	04/22/25 12:59	04/23/25 19:23	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2499471	1	04/22/25 12:59	04/25/25 04:40	WHS	Mt. Juliet, TN

SAMPLE SUMMARY

FL03-02 @ 4' L1850129-11 Solid

				Collected by Jack W.	Collected date/time 04/18/25 11:12	Received date/time 04/20/25 10:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498970	1	04/25/25 06:47	04/25/25 15:20	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2498996	1	04/24/25 16:12	04/25/25 11:58	KB	Mt. Juliet, TN

FL04-02 @ 4' L1850129-12 Solid

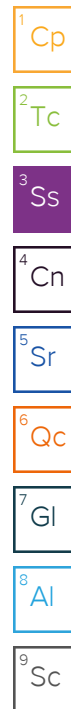
				Collected by Jack W.	Collected date/time 04/18/25 11:14	Received date/time 04/20/25 10:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2497866	1	04/25/25 20:15	04/25/25 20:15	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2499964	1	04/25/25 14:19	04/28/25 16:18	ANW	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2500238	1	04/25/25 15:00	04/25/25 17:15	BRT	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2500244	1	04/25/25 17:01	04/25/25 19:14	BRT	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2497954	1	04/25/25 22:23	04/26/25 14:39	BAG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2496621	5	04/22/25 14:27	04/25/25 13:32	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2497930	1	04/22/25 12:59	04/23/25 19:43	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2499471	1	04/22/25 12:59	04/25/25 05:00	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498970	1	04/25/25 06:47	04/25/25 13:38	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2498996	1	04/24/25 16:12	04/25/25 12:18	KB	Mt. Juliet, TN

FL02-05 @ 4' L1850129-13 Solid

				Collected by Jack W.	Collected date/time 04/18/25 14:35	Received date/time 04/20/25 10:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2500394	1	04/28/25 10:30	04/28/25 10:30	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2499964	1	04/25/25 14:19	04/28/25 17:10	ANW	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2501074	1	04/27/25 09:07	04/27/25 11:36	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2501081	1	04/27/25 09:15	04/27/25 16:49	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2507312	1	05/06/25 13:11	05/06/25 16:12	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2496621	5	04/22/25 14:27	04/25/25 13:35	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2497930	1	04/22/25 15:51	04/23/25 22:40	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2499471	1	04/22/25 15:51	04/25/25 05:19	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498970	1	04/25/25 06:47	04/25/25 12:40	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2498996	1	04/24/25 16:12	04/25/25 12:37	KB	Mt. Juliet, TN

FL02-06 @ 3' L1850129-14 Solid

				Collected by Jack W.	Collected date/time 04/18/25 15:50	Received date/time 04/20/25 10:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2497867	1	04/27/25 15:25	04/27/25 15:25	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2496156	1	04/27/25 19:09	04/28/25 07:21	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2501074	1	04/27/25 09:07	04/27/25 11:36	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2501081	1	04/27/25 09:15	04/27/25 16:49	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2506943	1	05/05/25 11:54	05/05/25 15:41	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2496621	5	04/22/25 14:27	04/25/25 13:39	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2500002	1	04/22/25 15:51	04/25/25 16:11	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2499471	1	04/22/25 15:51	04/25/25 05:39	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498970	1	04/25/25 06:47	04/25/25 12:55	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2498996	1	04/24/25 16:12	04/25/25 12:57	KB	Mt. Juliet, TN



SAMPLE SUMMARY

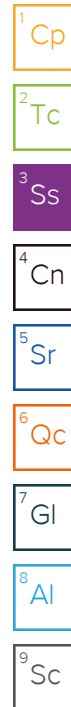
FL02-07 @ 3' L1850129-15 Solid

Collected by
Jack W.

Collected date/time
04/18/25 16:15

Received date/time
04/20/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2497867	1	04/27/25 15:30	04/27/25 15:30	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2496156	1	04/27/25 19:09	04/28/25 07:42	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2501074	1	04/27/25 09:07	04/27/25 11:36	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2501081	1	04/27/25 09:15	04/27/25 16:49	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2506943	1	05/05/25 11:54	05/05/25 15:43	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2496621	5	04/22/25 14:27	04/25/25 13:42	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2498119	1	04/22/25 15:51	04/23/25 15:22	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2499471	1	04/22/25 15:51	04/25/25 05:58	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498970	1	04/25/25 06:47	04/25/25 15:34	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2498996	1	04/24/25 16:12	04/25/25 13:16	KB	Mt. Juliet, TN



FL03-05 @ 3' L1850129-16 Solid

Collected by
Jack W.

Collected date/time
04/18/25 16:10

Received date/time
04/20/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2497867	1	04/27/25 15:31	04/27/25 15:31	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2496156	1	04/27/25 19:09	04/28/25 07:53	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2501074	1	04/27/25 09:07	04/27/25 11:36	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2501081	1	04/27/25 09:15	04/27/25 16:49	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2506943	1	05/05/25 11:54	05/05/25 15:45	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2496621	5	04/22/25 14:27	04/25/25 13:45	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2498119	1	04/22/25 15:51	04/23/25 15:44	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2499471	1	04/22/25 15:51	04/25/25 06:18	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498970	1	04/25/25 06:47	04/25/25 16:32	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2498996	1	04/24/25 16:12	04/25/25 13:36	KB	Mt. Juliet, TN

FL03-06 @ 3' L1850129-17 Solid

Collected by
Jack W.

Collected date/time
04/18/25 16:20

Received date/time
04/20/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2497867	1	04/27/25 15:33	04/27/25 15:33	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2496156	1	04/27/25 19:09	04/28/25 09:10	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2501074	1	04/27/25 09:07	04/27/25 11:36	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2501081	1	04/27/25 09:15	04/27/25 16:49	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2506943	1	05/05/25 11:54	05/05/25 15:52	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2496621	5	04/22/25 14:27	04/25/25 13:49	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2498119	1	04/22/25 15:51	04/23/25 16:07	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2499471	1	04/22/25 15:51	04/25/25 06:37	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498970	20	04/25/25 06:47	04/25/25 17:59	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2498996	1	04/24/25 16:12	04/25/25 17:50	TKW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2498996	20	04/24/25 16:12	04/26/25 17:40	VDR	Mt. Juliet, TN

FL01-04 @ 3' L1850129-18 Solid

Collected by
Jack W.

Collected date/time
04/18/25 14:10

Received date/time
04/20/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2497867	1	04/27/25 15:35	04/27/25 15:35	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2496156	1	04/27/25 19:09	04/28/25 09:20	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2501074	1	04/27/25 09:07	04/27/25 11:36	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2501081	1	04/27/25 09:15	04/27/25 16:49	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2506943	1	05/05/25 11:54	05/05/25 15:47	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2496621	5	04/22/25 14:27	04/25/25 13:52	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2498119	1	04/22/25 15:51	04/23/25 16:29	DWR	Mt. Juliet, TN

SAMPLE SUMMARY

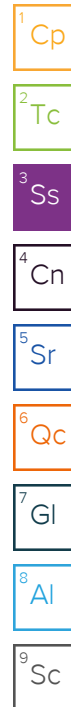
FL01-04 @ 3' L1850129-18 Solid

Collected by
Jack W.

Collected date/time
04/18/25 14:10

Received date/time
04/20/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2499471	1	04/22/25 15:51	04/25/25 06:56	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498970	1	04/25/25 06:47	04/25/25 16:47	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2498996	1	04/24/25 16:12	04/25/25 13:55	KB	Mt. Juliet, TN



FL02-03 @ 3' L1850129-19 Solid

Collected by
Jack W.

Collected date/time
04/18/25 14:15

Received date/time
04/20/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2497866	1	04/25/25 20:18	04/25/25 20:18	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2496156	1	04/27/25 19:09	04/28/25 09:31	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2500238	1	04/25/25 15:00	04/25/25 17:15	BRT	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2500244	1	04/25/25 17:01	04/25/25 19:14	BRT	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2497954	1	04/25/25 22:23	04/26/25 14:40	BAG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2496621	5	04/22/25 14:27	04/25/25 13:55	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2498119	1	04/22/25 15:51	04/23/25 16:52	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2499471	1	04/22/25 15:51	04/25/25 07:16	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498970	1	04/25/25 06:47	04/25/25 14:51	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2498996	1	04/24/25 16:12	04/25/25 14:15	KB	Mt. Juliet, TN

FL03-03 @ 3' L1850129-20 Solid

Collected by
Jack W.

Collected date/time
04/18/25 14:20

Received date/time
04/20/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2497867	1	04/27/25 15:36	04/27/25 15:36	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2496156	1	04/27/25 19:09	04/28/25 09:41	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2501074	1	04/27/25 09:07	04/27/25 11:36	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2501081	1	04/27/25 09:15	04/27/25 16:49	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2506943	1	05/05/25 11:54	05/05/25 15:48	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2496621	5	04/22/25 14:27	04/25/25 12:55	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2498119	1	04/22/25 15:51	04/23/25 17:14	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2499471	1	04/22/25 15:51	04/25/25 07:35	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498970	1	04/25/25 06:47	04/25/25 19:12	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2498996	1	04/24/25 16:12	04/25/25 14:35	KB	Mt. Juliet, TN

FL04-03 @ 3' L1850129-21 Solid

Collected by
Jack W.

Collected date/time
04/18/25 14:25

Received date/time
04/20/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2497867	1	04/27/25 15:38	04/27/25 15:38	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2496156	1	04/27/25 19:09	04/28/25 09:52	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2501074	1	04/27/25 09:07	04/27/25 11:36	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2501081	1	04/27/25 09:15	04/27/25 16:49	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2506943	1	05/05/25 11:54	05/05/25 15:50	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2496621	5	04/22/25 14:27	04/25/25 13:59	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2498119	1	04/22/25 15:51	04/23/25 17:37	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2499752	1	04/22/25 15:51	04/25/25 11:44	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498973	1	04/25/25 07:06	04/25/25 17:23	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2498996	1	04/24/25 16:12	04/25/25 14:54	VDR	Mt. Juliet, TN

SAMPLE SUMMARY

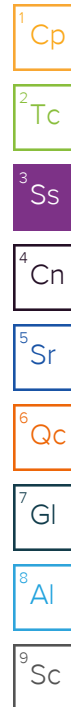
FL05-03 @ 3' L1850129-22 Solid

Collected by
Jack W.

Collected date/time
04/18/25 14:30

Received date/time
04/20/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2497867	1	04/27/25 15:40	04/27/25 15:40	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2496156	1	04/27/25 19:09	04/28/25 10:02	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2501074	1	04/27/25 09:07	04/27/25 11:36	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2501081	1	04/27/25 09:15	04/27/25 16:49	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2506943	1	05/05/25 11:54	05/05/25 15:57	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2496621	5	04/22/25 14:27	04/25/25 14:12	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2498119	1	04/22/25 15:51	04/23/25 17:59	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2499752	1	04/22/25 15:51	04/25/25 16:49	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498973	1	04/25/25 07:06	04/25/25 19:31	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2498996	1	04/24/25 16:12	04/25/25 15:14	VDR	Mt. Juliet, TN



FL01-05 @ 3' L1850129-23 Solid

Collected by
Jack W.

Collected date/time
04/18/25 15:10

Received date/time
04/20/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2497866	1	04/25/25 20:21	04/25/25 20:21	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2496156	1	04/27/25 19:09	04/28/25 10:23	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2500238	1	04/25/25 15:00	04/25/25 17:15	BRT	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2500244	1	04/25/25 17:01	04/25/25 19:14	BRT	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2497954	1	04/25/25 22:23	04/26/25 14:57	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2496621	5	04/22/25 14:27	04/25/25 14:15	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2498119	1	04/22/25 15:51	04/23/25 18:22	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2499752	1	04/22/25 15:51	04/25/25 17:08	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498973	1	04/25/25 07:06	04/25/25 21:24	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2498996	1	04/24/25 16:12	04/25/25 15:33	VDR	Mt. Juliet, TN

FL02-04 @ 3' L1850129-24 Solid

Collected by
Jack W.

Collected date/time
04/18/25 15:25

Received date/time
04/20/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2497867	1	04/27/25 15:41	04/27/25 15:41	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2496156	1	04/27/25 19:09	04/28/25 10:33	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2501074	1	04/27/25 09:07	04/27/25 11:36	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2501081	1	04/27/25 09:15	04/27/25 16:49	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2507312	1	05/06/25 13:11	05/06/25 16:14	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2496621	5	04/22/25 14:27	04/25/25 14:18	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2498119	1	04/22/25 15:51	04/23/25 18:44	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2499752	1	04/22/25 15:51	04/25/25 17:27	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498973	1	04/25/25 07:06	04/25/25 20:56	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2498996	1	04/24/25 16:12	04/25/25 15:53	KB	Mt. Juliet, TN

FL03-04 @ 3' L1850129-25 Solid

Collected by
Jack W.

Collected date/time
04/18/25 15:30

Received date/time
04/20/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2497867	1	04/27/25 15:43	04/27/25 15:43	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2496156	1	04/27/25 19:09	04/28/25 15:06	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2501074	1	04/27/25 09:07	04/27/25 11:36	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2501081	1	04/27/25 09:15	04/27/25 16:49	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2506943	1	05/05/25 11:54	05/05/25 15:59	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2496621	5	04/22/25 14:27	04/25/25 14:22	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2498119	1	04/22/25 15:51	04/23/25 19:07	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2499752	1	04/22/25 15:51	04/25/25 17:46	JBE	Mt. Juliet, TN

SAMPLE SUMMARY

FL03-04 @ 3' L1850129-25 Solid

Collected by
Jack W.

Collected date/time
04/18/25 15:30

Received date/time
04/20/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498973	1	04/25/25 07:06	04/25/25 21:10	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2498996	1	04/24/25 16:12	04/25/25 16:12	KB	Mt. Juliet, TN

¹Cp

²Tc

³Ss

FL04-04 @ 3' L1850129-26 Solid

Collected by
Jack W.

Collected date/time
04/18/25 15:35

Received date/time
04/20/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2497867	1	04/27/25 15:45	04/27/25 15:45	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2496156	1	04/27/25 19:09	04/28/25 11:15	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2501074	1	04/27/25 09:07	04/27/25 11:36	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2501081	1	04/27/25 09:15	04/27/25 16:49	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2506943	1	05/05/25 11:54	05/05/25 16:00	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2496621	5	04/22/25 14:27	04/25/25 14:25	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2498119	1	04/22/25 15:51	04/23/25 19:29	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2499892	1	04/22/25 15:51	04/26/25 02:02	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498973	1	04/25/25 07:06	04/25/25 19:02	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2498996	1	04/24/25 16:12	04/25/25 16:32	KB	Mt. Juliet, TN

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

FL05-04 @ 3' L1850129-27 Solid

Collected by
Jack W.

Collected date/time
04/18/25 15:40

Received date/time
04/20/25 10:15

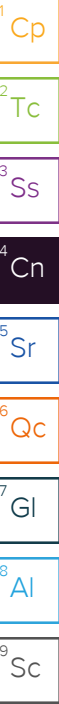
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2497866	1	04/25/25 20:24	04/25/25 20:24	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2496156	1	04/27/25 19:09	04/28/25 11:26	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2500238	1	04/25/25 15:00	04/25/25 17:15	BRT	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2500244	1	04/25/25 17:01	04/25/25 19:14	BRT	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2497954	1	04/25/25 22:23	04/26/25 14:59	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2496621	5	04/22/25 14:27	04/25/25 14:28	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2498119	1	04/22/25 15:51	04/23/25 20:55	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2499892	1	04/22/25 15:51	04/26/25 02:21	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498973	1	04/25/25 07:06	04/25/25 22:06	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2499001	1	04/24/25 16:16	04/25/25 14:51	VDR	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



Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	5.38		1	04/27/2025 12:52	WG2497859

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	04/27/2025 16:34	WG2496152

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.13	T8	1	04/27/2025 15:40	WG2500941

Sample Narrative:

L1850129-01 WG2500941: 8.13 at 20.8C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	819	umhos/cm		10.0	1	04/27/2025 18:27	WG2500942

Sample Narrative:

L1850129-01 WG2500942: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.461		0.0167	0.200	1	04/26/2025 05:49	WG2497951

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.11		0.100	1.00	5	04/23/2025 16:10	WG2496618
Barium	96.8		0.152	2.50	5	04/23/2025 16:10	WG2496618
Cadmium	0.176	J	0.0855	1.00	5	04/23/2025 16:10	WG2496618
Copper	10.9		0.132	5.00	5	04/23/2025 16:10	WG2496618
Lead	9.30		0.0990	2.00	5	04/23/2025 16:10	WG2496618
Nickel	8.91		0.197	2.50	5	04/23/2025 16:10	WG2496618
Selenium	0.467	J	0.180	2.50	5	04/23/2025 16:10	WG2496618
Silver	U		0.0865	0.500	5	04/23/2025 16:10	WG2496618
Zinc	47.0		0.740	25.0	5	04/23/2025 16:10	WG2496618

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0217	0.100	1	04/23/2025 15:33	WG2497930
(S) a,a,a-Trifluorotoluene(FID)	87.9			77.0-120		04/23/2025 15:33	WG2497930

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	04/25/2025 01:27	WG2499471
Toluene	U		0.00130	0.00500	1	04/25/2025 01:27	WG2499471
Ethylbenzene	U		0.000737	0.00250	1	04/25/2025 01:27	WG2499471
Xylenes, Total	0.00147	J	0.000880	0.00650	1	04/25/2025 01:27	WG2499471
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	04/25/2025 01:27	WG2499471
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	04/25/2025 01:27	WG2499471
(S) Toluene-d8	99.5			75.0-131		04/25/2025 01:27	WG2499471
(S) 4-Bromofluorobenzene	104			67.0-138		04/25/2025 01:27	WG2499471
(S) 1,2-Dichloroethane-d4	107			70.0-130		04/25/2025 01:27	WG2499471

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	7.62		1.61	4.00	1	04/25/2025 19:55	WG2498970
C28-C36 Motor Oil Range	13.3		0.274	4.00	1	04/25/2025 19:55	WG2498970
(S) o-Terphenyl	49.5			18.0-148		04/25/2025 19:55	WG2498970

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.257		0.00162	0.00600	1	04/25/2025 12:14	WG2498607
Anthracene	0.495		0.00163	0.00600	1	04/25/2025 12:14	WG2498607
Benzo(a)anthracene	0.406		0.00200	0.00600	1	04/25/2025 12:14	WG2498607
Benzo(b)fluoranthene	0.393		0.00275	0.00600	1	04/25/2025 12:14	WG2498607
Benzo(k)fluoranthene	0.145		0.00213	0.00600	1	04/25/2025 12:14	WG2498607
Benzo(a)pyrene	0.315		0.00163	0.00600	1	04/25/2025 12:14	WG2498607
Chrysene	0.433		0.00206	0.00600	1	04/25/2025 12:14	WG2498607
Dibenz(a,h)anthracene	0.0545		0.00201	0.00600	1	04/25/2025 12:14	WG2498607
Fluoranthene	1.41		0.00239	0.00600	1	04/25/2025 12:14	WG2498607
Fluorene	0.279		0.00180	0.00600	1	04/25/2025 12:14	WG2498607
Indeno(1,2,3-cd)pyrene	0.232		0.00234	0.00600	1	04/25/2025 12:14	WG2498607
1-Methylnaphthalene	0.0290		0.00219	0.0200	1	04/25/2025 12:14	WG2498607
2-Methylnaphthalene	0.0449		0.00571	0.0200	1	04/25/2025 12:14	WG2498607
Naphthalene	0.147		0.00579	0.0200	1	04/25/2025 12:14	WG2498607
Pyrene	0.954		0.00205	0.00600	1	04/25/2025 12:14	WG2498607
(S) p-Terphenyl-d14	110			23.0-120		04/25/2025 12:14	WG2498607
(S) Nitrobenzene-d5	103			14.0-149		04/25/2025 12:14	WG2498607
(S) 2-Fluorobiphenyl	116			34.0-125		04/25/2025 12:14	WG2498607

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	4.38		1	04/27/2025 12:54	WG2497859

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	04/27/2025 16:44	WG2496152

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.11	T8	1	04/27/2025 15:40	WG2500941

Sample Narrative:
L1850129-02 WG2500941: 8.11 at 20.8C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	767	umhos/cm		10.0	1	04/27/2025 18:27	WG2500942

Sample Narrative:
L1850129-02 WG2500942: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.560		0.0167	0.200	1	04/26/2025 05:51	WG2497951

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.28		0.100	1.00	5	04/23/2025 16:13	WG2496618
Barium	135		0.152	2.50	5	04/23/2025 16:13	WG2496618
Cadmium	0.118	J	0.0855	1.00	5	04/23/2025 16:13	WG2496618
Copper	13.2		0.132	5.00	5	04/23/2025 16:13	WG2496618
Lead	10.1		0.0990	2.00	5	04/23/2025 16:13	WG2496618
Nickel	13.0		0.197	2.50	5	04/23/2025 16:13	WG2496618
Selenium	0.599	J	0.180	2.50	5	04/23/2025 16:13	WG2496618
Silver	U		0.0865	0.500	5	04/23/2025 16:13	WG2496618
Zinc	49.6		0.740	25.0	5	04/23/2025 16:13	WG2496618

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0217	0.100	1	04/23/2025 15:52	WG2497930
(S) a,a,a-Trifluorotoluene(FID)	87.5			77.0-120		04/23/2025 15:52	WG2497930

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	04/25/2025 01:46	WG2499471
Toluene	U		0.00130	0.00500	1	04/25/2025 01:46	WG2499471
Ethylbenzene	U		0.000737	0.00250	1	04/25/2025 01:46	WG2499471
Xylenes, Total	U		0.000880	0.00650	1	04/25/2025 01:46	WG2499471
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	04/25/2025 01:46	WG2499471
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	04/25/2025 01:46	WG2499471
(S) Toluene-d8	100			75.0-131		04/25/2025 01:46	WG2499471
(S) 4-Bromofluorobenzene	102			67.0-138		04/25/2025 01:46	WG2499471
(S) 1,2-Dichloroethane-d4	103			70.0-130		04/25/2025 01:46	WG2499471

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.61	4.00	1	04/25/2025 13:09	WG2498970
C28-C36 Motor Oil Range	2.85	J	0.274	4.00	1	04/25/2025 13:09	WG2498970
(S) o-Terphenyl	53.7			18.0-148		04/25/2025 13:09	WG2498970

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00162	0.00600	1	04/25/2025 12:31	WG2498607
Anthracene	U		0.00163	0.00600	1	04/25/2025 12:31	WG2498607
Benzo(a)anthracene	U		0.00200	0.00600	1	04/25/2025 12:31	WG2498607
Benzo(b)fluoranthene	U		0.00275	0.00600	1	04/25/2025 12:31	WG2498607
Benzo(k)fluoranthene	U		0.00213	0.00600	1	04/25/2025 12:31	WG2498607
Benzo(a)pyrene	U		0.00163	0.00600	1	04/25/2025 12:31	WG2498607
Chrysene	U		0.00206	0.00600	1	04/25/2025 12:31	WG2498607
Dibenz(a,h)anthracene	U		0.00201	0.00600	1	04/25/2025 12:31	WG2498607
Fluoranthene	U		0.00239	0.00600	1	04/25/2025 12:31	WG2498607
Fluorene	U		0.00180	0.00600	1	04/25/2025 12:31	WG2498607
Indeno(1,2,3-cd)pyrene	U		0.00234	0.00600	1	04/25/2025 12:31	WG2498607
1-Methylnaphthalene	U		0.00219	0.0200	1	04/25/2025 12:31	WG2498607
2-Methylnaphthalene	U		0.00571	0.0200	1	04/25/2025 12:31	WG2498607
Naphthalene	U		0.00579	0.0200	1	04/25/2025 12:31	WG2498607
Pyrene	U		0.00205	0.00600	1	04/25/2025 12:31	WG2498607
(S) p-Terphenyl-d14	87.3			23.0-120		04/25/2025 12:31	WG2498607
(S) Nitrobenzene-d5	88.6			14.0-149		04/25/2025 12:31	WG2498607
(S) 2-Fluorobiphenyl	94.3			34.0-125		04/25/2025 12:31	WG2498607

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	4.22		1	04/26/2025 11:55	WG2498725

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	04/27/2025 16:55	WG2496152

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.22	T8	1	04/26/2025 10:27	WG2500491

Sample Narrative:
L1850129-03 WG2500491: 8.22 at 19.8C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1320	umhos/cm		10.0	1	04/26/2025 15:00	WG2500500

Sample Narrative:
L1850129-03 WG2500500: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.605		0.0167	0.200	1	04/25/2025 21:44	WG2498730

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.42		0.100	1.00	5	04/23/2025 14:44	WG2496618
Barium	83.5		0.152	2.50	5	04/23/2025 14:44	WG2496618
Cadmium	0.129	J	0.0855	1.00	5	04/23/2025 14:44	WG2496618
Copper	9.78		0.132	5.00	5	04/23/2025 14:44	WG2496618
Lead	7.58		0.0990	2.00	5	04/23/2025 14:44	WG2496618
Nickel	8.54		0.197	2.50	5	04/23/2025 14:44	WG2496618
Selenium	0.408	J	0.180	2.50	5	04/23/2025 14:44	WG2496618
Silver	U	O1	0.0865	0.500	5	04/23/2025 14:44	WG2496618
Zinc	40.3		0.740	25.0	5	04/23/2025 14:44	WG2496618

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0217	0.100	1	04/23/2025 16:12	WG2497930
(S) a,a,a-Trifluorotoluene(FID)	88.2			77.0-120		04/23/2025 16:12	WG2497930

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	04/25/2025 02:06	WG2499471
Toluene	U		0.00130	0.00500	1	04/25/2025 02:06	WG2499471
Ethylbenzene	U		0.000737	0.00250	1	04/25/2025 02:06	WG2499471
Xylenes, Total	U		0.000880	0.00650	1	04/25/2025 02:06	WG2499471
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	04/25/2025 02:06	WG2499471
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	04/25/2025 02:06	WG2499471
(S) Toluene-d8	101			75.0-131		04/25/2025 02:06	WG2499471
(S) 4-Bromofluorobenzene	102			67.0-138		04/25/2025 02:06	WG2499471
(S) 1,2-Dichloroethane-d4	105			70.0-130		04/25/2025 02:06	WG2499471

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.61	4.00	1	04/25/2025 13:24	WG2498970
C28-C36 Motor Oil Range	2.87	J	0.274	4.00	1	04/25/2025 13:24	WG2498970
(S) o-Terphenyl	46.5			18.0-148		04/25/2025 13:24	WG2498970

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00162	0.00600	1	04/25/2025 12:48	WG2498607
Anthracene	U		0.00163	0.00600	1	04/25/2025 12:48	WG2498607
Benzo(a)anthracene	U		0.00200	0.00600	1	04/25/2025 12:48	WG2498607
Benzo(b)fluoranthene	U		0.00275	0.00600	1	04/25/2025 12:48	WG2498607
Benzo(k)fluoranthene	U		0.00213	0.00600	1	04/25/2025 12:48	WG2498607
Benzo(a)pyrene	U		0.00163	0.00600	1	04/25/2025 12:48	WG2498607
Chrysene	U		0.00206	0.00600	1	04/25/2025 12:48	WG2498607
Dibenz(a,h)anthracene	U		0.00201	0.00600	1	04/25/2025 12:48	WG2498607
Fluoranthene	0.00496	J	0.00239	0.00600	1	04/25/2025 12:48	WG2498607
Fluorene	U		0.00180	0.00600	1	04/25/2025 12:48	WG2498607
Indeno(1,2,3-cd)pyrene	U		0.00234	0.00600	1	04/25/2025 12:48	WG2498607
1-Methylnaphthalene	U		0.00219	0.0200	1	04/25/2025 12:48	WG2498607
2-Methylnaphthalene	U		0.00571	0.0200	1	04/25/2025 12:48	WG2498607
Naphthalene	U		0.00579	0.0200	1	04/25/2025 12:48	WG2498607
Pyrene	0.00341	J	0.00205	0.00600	1	04/25/2025 12:48	WG2498607
(S) p-Terphenyl-d14	97.0			23.0-120		04/25/2025 12:48	WG2498607
(S) Nitrobenzene-d5	91.0			14.0-149		04/25/2025 12:48	WG2498607
(S) 2-Fluorobiphenyl	101			34.0-125		04/25/2025 12:48	WG2498607

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	4.20		1	04/24/2025 15:44	WG2498130

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	04/27/2025 17:05	WG2496152

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.08	T8	1	04/24/2025 14:54	WG2499069

Sample Narrative:
L1850129-04 WG2499069: 8.08 at 22.2C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	817	umhos/cm		10.0	1	04/24/2025 14:17	WG2499072

Sample Narrative:
L1850129-04 WG2499072: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.497		0.0167	0.200	1	04/25/2025 16:16	WG2498140

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.84		0.100	1.00	5	04/23/2025 16:16	WG2496618
Barium	88.7		0.152	2.50	5	04/23/2025 16:16	WG2496618
Cadmium	0.0895	J	0.0855	1.00	5	04/23/2025 16:16	WG2496618
Copper	8.56		0.132	5.00	5	04/23/2025 16:16	WG2496618
Lead	7.47		0.0990	2.00	5	04/23/2025 16:16	WG2496618
Nickel	7.63		0.197	2.50	5	04/23/2025 16:16	WG2496618
Selenium	0.390	J	0.180	2.50	5	04/23/2025 16:16	WG2496618
Silver	U		0.0865	0.500	5	04/23/2025 16:16	WG2496618
Zinc	37.2		0.740	25.0	5	04/23/2025 16:16	WG2496618

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0217	0.100	1	04/23/2025 16:31	WG2497930
(S) a,a,a-Trifluorotoluene(FID)	87.8			77.0-120		04/23/2025 16:31	WG2497930

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	04/25/2025 02:25	WG2499471
Toluene	U		0.00130	0.00500	1	04/25/2025 02:25	WG2499471
Ethylbenzene	U		0.000737	0.00250	1	04/25/2025 02:25	WG2499471
Xylenes, Total	U		0.000880	0.00650	1	04/25/2025 02:25	WG2499471
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	04/25/2025 02:25	WG2499471
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	04/25/2025 02:25	WG2499471
(S) Toluene-d8	99.7			75.0-131		04/25/2025 02:25	WG2499471
(S) 4-Bromofluorobenzene	103			67.0-138		04/25/2025 02:25	WG2499471
(S) 1,2-Dichloroethane-d4	103			70.0-130		04/25/2025 02:25	WG2499471

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	3.83	J	1.61	4.00	1	04/25/2025 15:05	WG2498970
C28-C36 Motor Oil Range	7.44		0.274	4.00	1	04/25/2025 15:05	WG2498970
(S) o-Terphenyl	59.4			18.0-148		04/25/2025 15:05	WG2498970

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.00651		0.00162	0.00600	1	04/25/2025 13:06	WG2498607
Anthracene	0.0132		0.00163	0.00600	1	04/25/2025 13:06	WG2498607
Benzo(a)anthracene	0.0128		0.00200	0.00600	1	04/25/2025 13:06	WG2498607
Benzo(b)fluoranthene	0.0119		0.00275	0.00600	1	04/25/2025 13:06	WG2498607
Benzo(k)fluoranthene	U		0.00213	0.00600	1	04/25/2025 13:06	WG2498607
Benzo(a)pyrene	0.00916		0.00163	0.00600	1	04/25/2025 13:06	WG2498607
Chrysene	0.0156		0.00206	0.00600	1	04/25/2025 13:06	WG2498607
Dibenz(a,h)anthracene	U		0.00201	0.00600	1	04/25/2025 13:06	WG2498607
Fluoranthene	0.0448		0.00239	0.00600	1	04/25/2025 13:06	WG2498607
Fluorene	0.00699		0.00180	0.00600	1	04/25/2025 13:06	WG2498607
Indeno(1,2,3-cd)pyrene	0.00671		0.00234	0.00600	1	04/25/2025 13:06	WG2498607
1-Methylnaphthalene	U		0.00219	0.0200	1	04/25/2025 13:06	WG2498607
2-Methylnaphthalene	U		0.00571	0.0200	1	04/25/2025 13:06	WG2498607
Naphthalene	U		0.00579	0.0200	1	04/25/2025 13:06	WG2498607
Pyrene	0.0293		0.00205	0.00600	1	04/25/2025 13:06	WG2498607
(S) p-Terphenyl-d14	110			23.0-120		04/25/2025 13:06	WG2498607
(S) Nitrobenzene-d5	98.8			14.0-149		04/25/2025 13:06	WG2498607
(S) 2-Fluorobiphenyl	114			34.0-125		04/25/2025 13:06	WG2498607

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	3.96		1	04/27/2025 12:56	WG2497859

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	04/27/2025 17:16	WG2496152

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.96	T8	1	04/27/2025 15:40	WG2500941

Sample Narrative:
L1850129-05 WG2500941: 7.96 at 20.8C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	895	umhos/cm		10.0	1	04/27/2025 18:27	WG2500942

Sample Narrative:
L1850129-05 WG2500942: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.509		0.0167	0.200	1	04/26/2025 05:53	WG2497951

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.43		0.100	1.00	5	04/23/2025 16:19	WG2496618
Barium	62.2		0.152	2.50	5	04/23/2025 16:19	WG2496618
Cadmium	0.101	J	0.0855	1.00	5	04/23/2025 16:19	WG2496618
Copper	6.29		0.132	5.00	5	04/23/2025 16:19	WG2496618
Lead	5.34		0.0990	2.00	5	04/23/2025 16:19	WG2496618
Nickel	5.63		0.197	2.50	5	04/23/2025 16:19	WG2496618
Selenium	0.296	J	0.180	2.50	5	04/23/2025 16:19	WG2496618
Silver	U		0.0865	0.500	5	04/23/2025 16:19	WG2496618
Zinc	25.1		0.740	25.0	5	04/23/2025 16:19	WG2496618

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0220	J	0.0217	0.100	1	04/23/2025 16:50	WG2497930
(S) a,a,a-Trifluorotoluene(FID)	88.0			77.0-120		04/23/2025 16:50	WG2497930

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	04/25/2025 02:44	WG2499471
Toluene	U		0.00130	0.00500	1	04/25/2025 02:44	WG2499471
Ethylbenzene	U		0.000737	0.00250	1	04/25/2025 02:44	WG2499471
Xylenes, Total	U		0.000880	0.00650	1	04/25/2025 02:44	WG2499471
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	04/25/2025 02:44	WG2499471
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	04/25/2025 02:44	WG2499471
(S) Toluene-d8	99.9			75.0-131		04/25/2025 02:44	WG2499471
(S) 4-Bromofluorobenzene	103			67.0-138		04/25/2025 02:44	WG2499471
(S) 1,2-Dichloroethane-d4	105			70.0-130		04/25/2025 02:44	WG2499471

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	4.03		1.61	4.00	1	04/25/2025 16:03	WG2498970
C28-C36 Motor Oil Range	10.7		0.274	4.00	1	04/25/2025 16:03	WG2498970
(S) o-Terphenyl	57.2			18.0-148		04/25/2025 16:03	WG2498970

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.0251		0.00162	0.00600	1	04/25/2025 14:15	WG2498607
Anthracene	0.0507		0.00163	0.00600	1	04/25/2025 14:15	WG2498607
Benzo(a)anthracene	0.0464		0.00200	0.00600	1	04/25/2025 14:15	WG2498607
Benzo(b)fluoranthene	0.0421		0.00275	0.00600	1	04/25/2025 14:15	WG2498607
Benzo(k)fluoranthene	0.0143		0.00213	0.00600	1	04/25/2025 14:15	WG2498607
Benzo(a)pyrene	0.0302		0.00163	0.00600	1	04/25/2025 14:15	WG2498607
Chrysene	0.0488		0.00206	0.00600	1	04/25/2025 14:15	WG2498607
Dibenz(a,h)anthracene	0.00580	U	0.00201	0.00600	1	04/25/2025 14:15	WG2498607
Fluoranthene	0.151		0.00239	0.00600	1	04/25/2025 14:15	WG2498607
Fluorene	0.0354		0.00180	0.00600	1	04/25/2025 14:15	WG2498607
Indeno(1,2,3-cd)pyrene	0.0209		0.00234	0.00600	1	04/25/2025 14:15	WG2498607
1-Methylnaphthalene	0.00561	U	0.00219	0.0200	1	04/25/2025 14:15	WG2498607
2-Methylnaphthalene	0.00576	U	0.00571	0.0200	1	04/25/2025 14:15	WG2498607
Naphthalene	0.00813	U	0.00579	0.0200	1	04/25/2025 14:15	WG2498607
Pyrene	0.0952		0.00205	0.00600	1	04/25/2025 14:15	WG2498607
(S) p-Terphenyl-d14	109			23.0-120		04/25/2025 14:15	WG2498607
(S) Nitrobenzene-d5	104			14.0-149		04/25/2025 14:15	WG2498607
(S) 2-Fluorobiphenyl	113			34.0-125		04/25/2025 14:15	WG2498607

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

	Result	Qualifier	Dilution	Analysis date / time	Batch
Analyte					
Sodium Adsorption Ratio	4.15		1	04/27/2025 12:57	WG2497859

Wet Chemistry by Method 7199

	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Analyte							
Hexavalent Chromium	U		0.379	1.00	1	04/27/2025 17:37	WG2496152

Wet Chemistry by Method 9045D

	Result su	Qualifier	Dilution	Analysis date / time	Batch
Analyte					
pH	8.14	T8	1	04/27/2025 15:40	WG2500941

Sample Narrative:
L1850129-06 WG2500941: 8.14 at 20.7C

Wet Chemistry by Method 9050AMod

	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Analyte							
Specific Conductance	653	umhos/cm		10.0	1	04/27/2025 18:27	WG2500942

Sample Narrative:
L1850129-06 WG2500942: at 25C

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

	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Analyte							
Hot Water Sol. Boron	0.382		0.0167	0.200	1	04/26/2025 05:05	WG2497951

Metals (ICPMS) by Method 6020

	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Analyte							
Arsenic	2.33		0.100	1.00	5	04/23/2025 16:23	WG2496618
Barium	75.1		0.152	2.50	5	04/23/2025 16:23	WG2496618
Cadmium	0.0942	J	0.0855	1.00	5	04/23/2025 16:23	WG2496618
Copper	7.04		0.132	5.00	5	04/23/2025 16:23	WG2496618
Lead	6.25		0.0990	2.00	5	04/23/2025 16:23	WG2496618
Nickel	6.33		0.197	2.50	5	04/23/2025 16:23	WG2496618
Selenium	0.323	J	0.180	2.50	5	04/23/2025 16:23	WG2496618
Silver	U		0.0865	0.500	5	04/23/2025 16:23	WG2496618
Zinc	29.1		0.740	25.0	5	04/23/2025 16:23	WG2496618

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

	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Analyte							
TPH (GC/FID) Low Fraction	U		0.0217	0.100	1	04/23/2025 17:31	WG2497930
(S) a,a,a-Trifluorotoluene(FID)	89.4			77.0-120		04/23/2025 17:31	WG2497930

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	04/25/2025 03:03	WG2499471
Toluene	U		0.00130	0.00500	1	04/25/2025 03:03	WG2499471
Ethylbenzene	U		0.000737	0.00250	1	04/25/2025 03:03	WG2499471
Xylenes, Total	U		0.000880	0.00650	1	04/25/2025 03:03	WG2499471
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	04/25/2025 03:03	WG2499471
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	04/25/2025 03:03	WG2499471
(S) Toluene-d8	104			75.0-131		04/25/2025 03:03	WG2499471
(S) 4-Bromofluorobenzene	90.0			67.0-138		04/25/2025 03:03	WG2499471
(S) 1,2-Dichloroethane-d4	102			70.0-130		04/25/2025 03:03	WG2499471

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	1.92	U	1.61	4.00	1	04/25/2025 14:36	WG2498970
C28-C36 Motor Oil Range	6.43		0.274	4.00	1	04/25/2025 14:36	WG2498970
(S) o-Terphenyl	49.4			18.0-148		04/25/2025 14:36	WG2498970

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.00279	U	0.00162	0.00600	1	04/25/2025 14:32	WG2498607
Anthracene	0.00428	U	0.00163	0.00600	1	04/25/2025 14:32	WG2498607
Benzo(a)anthracene	0.00596	U	0.00200	0.00600	1	04/25/2025 14:32	WG2498607
Benzo(b)fluoranthene	0.00515	U	0.00275	0.00600	1	04/25/2025 14:32	WG2498607
Benzo(k)fluoranthene	U		0.00213	0.00600	1	04/25/2025 14:32	WG2498607
Benzo(a)pyrene	0.00375	U	0.00163	0.00600	1	04/25/2025 14:32	WG2498607
Chrysene	0.00679		0.00206	0.00600	1	04/25/2025 14:32	WG2498607
Dibenz(a,h)anthracene	U		0.00201	0.00600	1	04/25/2025 14:32	WG2498607
Fluoranthene	0.0187		0.00239	0.00600	1	04/25/2025 14:32	WG2498607
Fluorene	0.00303	U	0.00180	0.00600	1	04/25/2025 14:32	WG2498607
Indeno(1,2,3-cd)pyrene	0.00236	U	0.00234	0.00600	1	04/25/2025 14:32	WG2498607
1-Methylnaphthalene	U		0.00219	0.0200	1	04/25/2025 14:32	WG2498607
2-Methylnaphthalene	U		0.00571	0.0200	1	04/25/2025 14:32	WG2498607
Naphthalene	U		0.00579	0.0200	1	04/25/2025 14:32	WG2498607
Pyrene	0.0121		0.00205	0.00600	1	04/25/2025 14:32	WG2498607
(S) p-Terphenyl-d14	110			23.0-120		04/25/2025 14:32	WG2498607
(S) Nitrobenzene-d5	108			14.0-149		04/25/2025 14:32	WG2498607
(S) 2-Fluorobiphenyl	117			34.0-125		04/25/2025 14:32	WG2498607

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

	Result	Qualifier	Dilution	Analysis date / time	Batch
Analyte					
Sodium Adsorption Ratio	4.17		1	04/27/2025 12:59	WG2497859

Wet Chemistry by Method 7199

	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Analyte							
Hexavalent Chromium	U		0.379	1.00	1	04/27/2025 17:47	WG2496152

Wet Chemistry by Method 9045D

	Result su	Qualifier	Dilution	Analysis date / time	Batch
Analyte					
pH	8.09	T8	1	04/27/2025 15:40	WG2500941

Sample Narrative:
L1850129-07 WG2500941: 8.09 at 20.5C

Wet Chemistry by Method 9050AMod

	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Analyte							
Specific Conductance	586	umhos/cm		10.0	1	04/27/2025 18:27	WG2500942

Sample Narrative:
L1850129-07 WG2500942: at 25C

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

	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Analyte							
Hot Water Sol. Boron	0.596		0.0167	0.200	1	04/26/2025 05:07	WG2497951

Metals (ICPMS) by Method 6020

	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Analyte							
Arsenic	2.20		0.100	1.00	5	04/23/2025 16:26	WG2496618
Barium	75.3		0.152	2.50	5	04/23/2025 16:26	WG2496618
Cadmium	U		0.0855	1.00	5	04/23/2025 16:26	WG2496618
Copper	6.47		0.132	5.00	5	04/23/2025 16:26	WG2496618
Lead	5.91		0.0990	2.00	5	04/23/2025 16:26	WG2496618
Nickel	6.03		0.197	2.50	5	04/23/2025 16:26	WG2496618
Selenium	0.396	J	0.180	2.50	5	04/23/2025 16:26	WG2496618
Silver	U		0.0865	0.500	5	04/23/2025 16:26	WG2496618
Zinc	29.0		0.740	25.0	5	04/23/2025 16:26	WG2496618

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

	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Analyte							
TPH (GC/FID) Low Fraction	U		0.0217	0.100	1	04/23/2025 17:53	WG2497930
(S) a,a,a-Trifluorotoluene(FID)	88.2			77.0-120		04/23/2025 17:53	WG2497930

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	04/25/2025 03:23	WG2499471
Toluene	U		0.00130	0.00500	1	04/25/2025 03:23	WG2499471
Ethylbenzene	U		0.000737	0.00250	1	04/25/2025 03:23	WG2499471
Xylenes, Total	U		0.000880	0.00650	1	04/25/2025 03:23	WG2499471
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	04/25/2025 03:23	WG2499471
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	04/25/2025 03:23	WG2499471
(S) Toluene-d8	99.7			75.0-131		04/25/2025 03:23	WG2499471
(S) 4-Bromofluorobenzene	102			67.0-138		04/25/2025 03:23	WG2499471
(S) 1,2-Dichloroethane-d4	105			70.0-130		04/25/2025 03:23	WG2499471

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	3.53	U	1.61	4.00	1	04/25/2025 14:22	WG2498970
C28-C36 Motor Oil Range	7.89		0.274	4.00	1	04/25/2025 14:22	WG2498970
(S) o-Terphenyl	61.9			18.0-148		04/25/2025 14:22	WG2498970

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.00368	U	0.00162	0.00600	1	04/25/2025 13:23	WG2498607
Anthracene	0.00716		0.00163	0.00600	1	04/25/2025 13:23	WG2498607
Benzo(a)anthracene	0.00808		0.00200	0.00600	1	04/25/2025 13:23	WG2498607
Benzo(b)fluoranthene	0.00726		0.00275	0.00600	1	04/25/2025 13:23	WG2498607
Benzo(k)fluoranthene	U		0.00213	0.00600	1	04/25/2025 13:23	WG2498607
Benzo(a)pyrene	0.00541	U	0.00163	0.00600	1	04/25/2025 13:23	WG2498607
Chrysene	0.00956		0.00206	0.00600	1	04/25/2025 13:23	WG2498607
Dibenz(a,h)anthracene	U		0.00201	0.00600	1	04/25/2025 13:23	WG2498607
Fluoranthene	0.0269		0.00239	0.00600	1	04/25/2025 13:23	WG2498607
Fluorene	0.00394	U	0.00180	0.00600	1	04/25/2025 13:23	WG2498607
Indeno(1,2,3-cd)pyrene	0.00391	U	0.00234	0.00600	1	04/25/2025 13:23	WG2498607
1-Methylnaphthalene	U		0.00219	0.0200	1	04/25/2025 13:23	WG2498607
2-Methylnaphthalene	U		0.00571	0.0200	1	04/25/2025 13:23	WG2498607
Naphthalene	U		0.00579	0.0200	1	04/25/2025 13:23	WG2498607
Pyrene	0.0178		0.00205	0.00600	1	04/25/2025 13:23	WG2498607
(S) p-Terphenyl-d14	112			23.0-120		04/25/2025 13:23	WG2498607
(S) Nitrobenzene-d5	106			14.0-149		04/25/2025 13:23	WG2498607
(S) 2-Fluorobiphenyl	117			34.0-125		04/25/2025 13:23	WG2498607

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	3.60		1	04/27/2025 13:04	WG2497859

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	04/27/2025 17:58	WG2496152

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.01	T8	1	04/27/2025 15:40	WG2500941

Sample Narrative:
L1850129-08 WG2500941: 8.01 at 20.4C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	767	umhos/cm		10.0	1	04/27/2025 18:27	WG2500942

Sample Narrative:
L1850129-08 WG2500942: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.407		0.0167	0.200	1	04/26/2025 05:09	WG2497951

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.02		0.100	1.00	5	04/25/2025 13:12	WG2496621
Barium	97.9		0.152	2.50	5	04/25/2025 13:12	WG2496621
Cadmium	0.175	J	0.0855	1.00	5	04/25/2025 13:12	WG2496621
Copper	10.3		0.132	5.00	5	04/25/2025 13:12	WG2496621
Lead	9.46		0.0990	2.00	5	04/25/2025 13:12	WG2496621
Nickel	8.53		0.197	2.50	5	04/25/2025 13:12	WG2496621
Selenium	0.784	J	0.180	2.50	5	04/25/2025 13:12	WG2496621
Silver	U		0.0865	0.500	5	04/25/2025 13:12	WG2496621
Zinc	41.3		0.740	25.0	5	04/25/2025 13:12	WG2496621

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0217	0.100	1	04/23/2025 18:41	WG2497930
(S) a,a,a-Trifluorotoluene(FID)	87.6			77.0-120		04/23/2025 18:41	WG2497930

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	04/25/2025 03:42	WG2499471
Toluene	U		0.00130	0.00500	1	04/25/2025 03:42	WG2499471
Ethylbenzene	U		0.000737	0.00250	1	04/25/2025 03:42	WG2499471
Xylenes, Total	U		0.000880	0.00650	1	04/25/2025 03:42	WG2499471
1,2,4-Trimethylbenzene	0.00258	<u>J</u>	0.00158	0.00500	1	04/25/2025 03:42	WG2499471
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	04/25/2025 03:42	WG2499471
(S) Toluene-d8	98.6			75.0-131		04/25/2025 03:42	WG2499471
(S) 4-Bromofluorobenzene	102			67.0-138		04/25/2025 03:42	WG2499471
(S) 1,2-Dichloroethane-d4	106			70.0-130		04/25/2025 03:42	WG2499471

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	1.69	<u>J</u>	1.61	4.00	1	04/25/2025 19:12	WG2498970
C28-C36 Motor Oil Range	4.92		0.274	4.00	1	04/25/2025 19:12	WG2498970
(S) o-Terphenyl	44.8			18.0-148		04/25/2025 19:12	WG2498970

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.00643		0.00162	0.00600	1	04/25/2025 13:40	WG2498607
Anthracene	0.0137		0.00163	0.00600	1	04/25/2025 13:40	WG2498607
Benzo(a)anthracene	0.0155		0.00200	0.00600	1	04/25/2025 13:40	WG2498607
Benzo(b)fluoranthene	0.0156		0.00275	0.00600	1	04/25/2025 13:40	WG2498607
Benzo(k)fluoranthene	0.00520	<u>J</u>	0.00213	0.00600	1	04/25/2025 13:40	WG2498607
Benzo(a)pyrene	0.0113		0.00163	0.00600	1	04/25/2025 13:40	WG2498607
Chrysene	0.0173		0.00206	0.00600	1	04/25/2025 13:40	WG2498607
Dibenz(a,h)anthracene	U		0.00201	0.00600	1	04/25/2025 13:40	WG2498607
Fluoranthene	0.0556		0.00239	0.00600	1	04/25/2025 13:40	WG2498607
Fluorene	0.00677		0.00180	0.00600	1	04/25/2025 13:40	WG2498607
Indeno(1,2,3-cd)pyrene	0.00904		0.00234	0.00600	1	04/25/2025 13:40	WG2498607
1-Methylnaphthalene	U		0.00219	0.0200	1	04/25/2025 13:40	WG2498607
2-Methylnaphthalene	U		0.00571	0.0200	1	04/25/2025 13:40	WG2498607
Naphthalene	U		0.00579	0.0200	1	04/25/2025 13:40	WG2498607
Pyrene	0.0375		0.00205	0.00600	1	04/25/2025 13:40	WG2498607
(S) p-Terphenyl-d14	85.1			23.0-120		04/25/2025 13:40	WG2498607
(S) Nitrobenzene-d5	83.3			14.0-149		04/25/2025 13:40	WG2498607
(S) 2-Fluorobiphenyl	89.9			34.0-125		04/25/2025 13:40	WG2498607

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

	Result	Qualifier	Dilution	Analysis date / time	Batch
Analyte					
Sodium Adsorption Ratio	1.56		1	04/25/2025 20:10	WG2497866

Wet Chemistry by Method 7199

	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Analyte							
Hexavalent Chromium	U		0.379	1.00	1	04/27/2025 18:08	WG2496152

Wet Chemistry by Method 9045D

	Result su	Qualifier	Dilution	Analysis date / time	Batch
Analyte					
pH	7.81	T8	1	04/25/2025 17:15	WG2500238

Sample Narrative:

L1850129-09 WG2500238: 7.81 at 22.8C

Wet Chemistry by Method 9050AMod

	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Analyte							
Specific Conductance	1600	umhos/cm		10.0	1	04/25/2025 19:14	WG2500244

Sample Narrative:

L1850129-09 WG2500244: at 25C

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

	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Analyte							
Hot Water Sol. Boron	0.461		0.0167	0.200	1	04/26/2025 14:35	WG2497954

Metals (ICPMS) by Method 6020

	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Analyte							
Arsenic	3.90		0.100	1.00	5	04/25/2025 13:15	WG2496621
Barium	182		0.152	2.50	5	04/25/2025 13:15	WG2496621
Cadmium	0.226	J	0.0855	1.00	5	04/25/2025 13:15	WG2496621
Copper	15.4		0.132	5.00	5	04/25/2025 13:15	WG2496621
Lead	12.0		0.0990	2.00	5	04/25/2025 13:15	WG2496621
Nickel	12.9		0.197	2.50	5	04/25/2025 13:15	WG2496621
Selenium	0.923	J	0.180	2.50	5	04/25/2025 13:15	WG2496621
Silver	U		0.0865	0.500	5	04/25/2025 13:15	WG2496621
Zinc	57.3		0.740	25.0	5	04/25/2025 13:15	WG2496621

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

	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Analyte							
TPH (GC/FID) Low Fraction	U		0.0217	0.100	1	04/25/2025 15:51	WG2500002
(S) a,a,a-Trifluorotoluene(FID)	89.3			77.0-120		04/25/2025 15:51	WG2500002

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	04/25/2025 04:02	WG2499471
Toluene	U		0.00130	0.00500	1	04/25/2025 04:02	WG2499471
Ethylbenzene	U		0.000737	0.00250	1	04/25/2025 04:02	WG2499471
Xylenes, Total	U		0.000880	0.00650	1	04/25/2025 04:02	WG2499471
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	04/25/2025 04:02	WG2499471
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	04/25/2025 04:02	WG2499471
(S) Toluene-d8	100			75.0-131		04/25/2025 04:02	WG2499471
(S) 4-Bromofluorobenzene	104			67.0-138		04/25/2025 04:02	WG2499471
(S) 1,2-Dichloroethane-d4	107			70.0-130		04/25/2025 04:02	WG2499471

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.61	4.00	1	04/25/2025 14:07	WG2498970
C28-C36 Motor Oil Range	2.05	J	0.274	4.00	1	04/25/2025 14:07	WG2498970
(S) o-Terphenyl	45.1			18.0-148		04/25/2025 14:07	WG2498970

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00162	0.00600	1	04/25/2025 13:58	WG2498607
Anthracene	U		0.00163	0.00600	1	04/25/2025 13:58	WG2498607
Benzo(a)anthracene	U		0.00200	0.00600	1	04/25/2025 13:58	WG2498607
Benzo(b)fluoranthene	U		0.00275	0.00600	1	04/25/2025 13:58	WG2498607
Benzo(k)fluoranthene	U		0.00213	0.00600	1	04/25/2025 13:58	WG2498607
Benzo(a)pyrene	U		0.00163	0.00600	1	04/25/2025 13:58	WG2498607
Chrysene	U		0.00206	0.00600	1	04/25/2025 13:58	WG2498607
Dibenz(a,h)anthracene	U		0.00201	0.00600	1	04/25/2025 13:58	WG2498607
Fluoranthene	U		0.00239	0.00600	1	04/25/2025 13:58	WG2498607
Fluorene	U		0.00180	0.00600	1	04/25/2025 13:58	WG2498607
Indeno(1,2,3-cd)pyrene	U		0.00234	0.00600	1	04/25/2025 13:58	WG2498607
1-Methylnaphthalene	U		0.00219	0.0200	1	04/25/2025 13:58	WG2498607
2-Methylnaphthalene	U		0.00571	0.0200	1	04/25/2025 13:58	WG2498607
Naphthalene	U		0.00579	0.0200	1	04/25/2025 13:58	WG2498607
Pyrene	U		0.00205	0.00600	1	04/25/2025 13:58	WG2498607
(S) p-Terphenyl-d14	80.3			23.0-120		04/25/2025 13:58	WG2498607
(S) Nitrobenzene-d5	83.2			14.0-149		04/25/2025 13:58	WG2498607
(S) 2-Fluorobiphenyl	90.2			34.0-125		04/25/2025 13:58	WG2498607

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	4.21		1	04/25/2025 20:13	WG2497866

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	04/27/2025 18:40	WG2496152

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.91	T8	1	04/25/2025 17:15	WG2500238

Sample Narrative:
L1850129-10 WG2500238: 7.91 at 22.6C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	3300	umhos/cm		10.0	1	04/25/2025 19:14	WG2500244

Sample Narrative:
L1850129-10 WG2500244: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.513		0.0167	0.200	1	04/26/2025 14:37	WG2497954

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.86		0.100	1.00	5	04/25/2025 13:18	WG2496621
Barium	177		0.152	2.50	5	04/25/2025 13:18	WG2496621
Cadmium	0.151	J	0.0855	1.00	5	04/25/2025 13:18	WG2496621
Copper	12.5		0.132	5.00	5	04/25/2025 13:18	WG2496621
Lead	10.9		0.0990	2.00	5	04/25/2025 13:18	WG2496621
Nickel	11.6		0.197	2.50	5	04/25/2025 13:18	WG2496621
Selenium	0.873	J	0.180	2.50	5	04/25/2025 13:18	WG2496621
Silver	U		0.0865	0.500	5	04/25/2025 13:18	WG2496621
Zinc	49.7		0.740	25.0	5	04/25/2025 13:18	WG2496621

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0217	0.100	1	04/23/2025 19:04	WG2497930
(S) a,a,a-Trifluorotoluene(FID)	87.5			77.0-120		04/23/2025 19:04	WG2497930

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	04/25/2025 04:21	WG2499471
Toluene	U		0.00130	0.00500	1	04/25/2025 04:21	WG2499471
Ethylbenzene	U		0.000737	0.00250	1	04/25/2025 04:21	WG2499471
Xylenes, Total	U		0.000880	0.00650	1	04/25/2025 04:21	WG2499471
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	04/25/2025 04:21	WG2499471
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	04/25/2025 04:21	WG2499471
(S) Toluene-d8	99.6			75.0-131		04/25/2025 04:21	WG2499471
(S) 4-Bromofluorobenzene	101			67.0-138		04/25/2025 04:21	WG2499471
(S) 1,2-Dichloroethane-d4	104			70.0-130		04/25/2025 04:21	WG2499471

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.61	4.00	1	04/25/2025 13:53	WG2498970
C28-C36 Motor Oil Range	1.44	<u>J</u>	0.274	4.00	1	04/25/2025 13:53	WG2498970
(S) o-Terphenyl	50.6			18.0-148		04/25/2025 13:53	WG2498970

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00162	0.00600	1	04/25/2025 14:50	WG2498607
Anthracene	U		0.00163	0.00600	1	04/25/2025 14:50	WG2498607
Benzo(a)anthracene	U		0.00200	0.00600	1	04/25/2025 14:50	WG2498607
Benzo(b)fluoranthene	U		0.00275	0.00600	1	04/25/2025 14:50	WG2498607
Benzo(k)fluoranthene	U		0.00213	0.00600	1	04/25/2025 14:50	WG2498607
Benzo(a)pyrene	U		0.00163	0.00600	1	04/25/2025 14:50	WG2498607
Chrysene	U		0.00206	0.00600	1	04/25/2025 14:50	WG2498607
Dibenz(a,h)anthracene	U		0.00201	0.00600	1	04/25/2025 14:50	WG2498607
Fluoranthene	0.00424	<u>J</u>	0.00239	0.00600	1	04/25/2025 14:50	WG2498607
Fluorene	U		0.00180	0.00600	1	04/25/2025 14:50	WG2498607
Indeno(1,2,3-cd)pyrene	U		0.00234	0.00600	1	04/25/2025 14:50	WG2498607
1-Methylnaphthalene	U		0.00219	0.0200	1	04/25/2025 14:50	WG2498607
2-Methylnaphthalene	U		0.00571	0.0200	1	04/25/2025 14:50	WG2498607
Naphthalene	U		0.00579	0.0200	1	04/25/2025 14:50	WG2498607
Pyrene	0.00274	<u>J</u>	0.00205	0.00600	1	04/25/2025 14:50	WG2498607
(S) p-Terphenyl-d14	73.7			23.0-120		04/25/2025 14:50	WG2498607
(S) Nitrobenzene-d5	73.0			14.0-149		04/25/2025 14:50	WG2498607
(S) 2-Fluorobiphenyl	77.1			34.0-125		04/25/2025 14:50	WG2498607

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	3.54		1	04/24/2025 14:41	WG2498130

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	04/28/2025 16:07	WG2499964

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.00	T8	1	04/24/2025 14:54	WG2499069

Sample Narrative:

L1850129-11 WG2499069: 8 at 21.8C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	949	umhos/cm		10.0	1	04/24/2025 14:17	WG2499072

Sample Narrative:

L1850129-11 WG2499072: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.538		0.0167	0.200	1	04/25/2025 16:19	WG2498140

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.23		0.100	1.00	5	04/25/2025 13:28	WG2496621
Barium	112		0.152	2.50	5	04/25/2025 13:28	WG2496621
Cadmium	0.115	J	0.0855	1.00	5	04/25/2025 13:28	WG2496621
Copper	10.5		0.132	5.00	5	04/25/2025 13:28	WG2496621
Lead	9.31		0.0990	2.00	5	04/25/2025 13:28	WG2496621
Nickel	9.92		0.197	2.50	5	04/25/2025 13:28	WG2496621
Selenium	0.860	J	0.180	2.50	5	04/25/2025 13:28	WG2496621
Silver	U		0.0865	0.500	5	04/25/2025 13:28	WG2496621
Zinc	44.0		0.740	25.0	5	04/25/2025 13:28	WG2496621

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0217	0.100	1	04/23/2025 19:23	WG2497930
(S) a,a,a-Trifluorotoluene(FID)	89.7			77.0-120		04/23/2025 19:23	WG2497930

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	04/25/2025 04:40	WG2499471
Toluene	U		0.00130	0.00500	1	04/25/2025 04:40	WG2499471
Ethylbenzene	U		0.000737	0.00250	1	04/25/2025 04:40	WG2499471
Xylenes, Total	U		0.000880	0.00650	1	04/25/2025 04:40	WG2499471
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	04/25/2025 04:40	WG2499471
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	04/25/2025 04:40	WG2499471
(S) Toluene-d8	99.9			75.0-131		04/25/2025 04:40	WG2499471
(S) 4-Bromofluorobenzene	105			67.0-138		04/25/2025 04:40	WG2499471
(S) 1,2-Dichloroethane-d4	110			70.0-130		04/25/2025 04:40	WG2499471

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.61	4.00	1	04/25/2025 15:20	WG2498970
C28-C36 Motor Oil Range	5.99		0.274	4.00	1	04/25/2025 15:20	WG2498970
(S) o-Terphenyl	64.8			18.0-148		04/25/2025 15:20	WG2498970

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.00957		0.00162	0.00600	1	04/25/2025 11:58	WG2498996
Anthracene	0.0162		0.00163	0.00600	1	04/25/2025 11:58	WG2498996
Benzo(a)anthracene	0.0164		0.00200	0.00600	1	04/25/2025 11:58	WG2498996
Benzo(b)fluoranthene	0.0143		0.00275	0.00600	1	04/25/2025 11:58	WG2498996
Benzo(k)fluoranthene	0.00482	U	0.00213	0.00600	1	04/25/2025 11:58	WG2498996
Benzo(a)pyrene	0.0103		0.00163	0.00600	1	04/25/2025 11:58	WG2498996
Chrysene	0.0169		0.00206	0.00600	1	04/25/2025 11:58	WG2498996
Dibenz(a,h)anthracene	0.00201	U	0.00201	0.00600	1	04/25/2025 11:58	WG2498996
Fluoranthene	0.0465		0.00239	0.00600	1	04/25/2025 11:58	WG2498996
Fluorene	0.0117		0.00180	0.00600	1	04/25/2025 11:58	WG2498996
Indeno(1,2,3-cd)pyrene	0.00666		0.00234	0.00600	1	04/25/2025 11:58	WG2498996
1-Methylnaphthalene	U		0.00219	0.0200	1	04/25/2025 11:58	WG2498996
2-Methylnaphthalene	U		0.00571	0.0200	1	04/25/2025 11:58	WG2498996
Naphthalene	0.00667	U	0.00579	0.0200	1	04/25/2025 11:58	WG2498996
Pyrene	0.0337		0.00205	0.00600	1	04/25/2025 11:58	WG2498996
(S) p-Terphenyl-d14	129	U1		23.0-120		04/25/2025 11:58	WG2498996
(S) Nitrobenzene-d5	105			14.0-149		04/25/2025 11:58	WG2498996
(S) 2-Fluorobiphenyl	113			34.0-125		04/25/2025 11:58	WG2498996

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	3.76		1	04/25/2025 20:15	WG2497866

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	04/28/2025 16:18	WG2499964

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.98	T8	1	04/25/2025 17:15	WG2500238

Sample Narrative:
L1850129-12 WG2500238: 7.98 at 22C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1330	umhos/cm		10.0	1	04/25/2025 19:14	WG2500244

Sample Narrative:
L1850129-12 WG2500244: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.374		0.0167	0.200	1	04/26/2025 14:39	WG2497954

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.15		0.100	1.00	5	04/25/2025 13:32	WG2496621
Barium	130		0.152	2.50	5	04/25/2025 13:32	WG2496621
Cadmium	0.123	J	0.0855	1.00	5	04/25/2025 13:32	WG2496621
Copper	9.13		0.132	5.00	5	04/25/2025 13:32	WG2496621
Lead	8.72		0.0990	2.00	5	04/25/2025 13:32	WG2496621
Nickel	9.27		0.197	2.50	5	04/25/2025 13:32	WG2496621
Selenium	0.851	J	0.180	2.50	5	04/25/2025 13:32	WG2496621
Silver	U		0.0865	0.500	5	04/25/2025 13:32	WG2496621
Zinc	42.4		0.740	25.0	5	04/25/2025 13:32	WG2496621

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0217	0.100	1	04/23/2025 19:43	WG2497930
(S) a,a,a-Trifluorotoluene(FID)	90.0			77.0-120		04/23/2025 19:43	WG2497930

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	04/25/2025 05:00	WG2499471
Toluene	U		0.00130	0.00500	1	04/25/2025 05:00	WG2499471
Ethylbenzene	U		0.000737	0.00250	1	04/25/2025 05:00	WG2499471
Xylenes, Total	U		0.000880	0.00650	1	04/25/2025 05:00	WG2499471
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	04/25/2025 05:00	WG2499471
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	04/25/2025 05:00	WG2499471
(S) Toluene-d8	98.6			75.0-131		04/25/2025 05:00	WG2499471
(S) 4-Bromofluorobenzene	102			67.0-138		04/25/2025 05:00	WG2499471
(S) 1,2-Dichloroethane-d4	108			70.0-130		04/25/2025 05:00	WG2499471

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.61	4.00	1	04/25/2025 13:38	WG2498970
C28-C36 Motor Oil Range	1.39	J	0.274	4.00	1	04/25/2025 13:38	WG2498970
(S) o-Terphenyl	56.7			18.0-148		04/25/2025 13:38	WG2498970

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.00207	J	0.00162	0.00600	1	04/25/2025 12:18	WG2498996
Anthracene	0.00321	J	0.00163	0.00600	1	04/25/2025 12:18	WG2498996
Benzo(a)anthracene	0.00327	J	0.00200	0.00600	1	04/25/2025 12:18	WG2498996
Benzo(b)fluoranthene	U		0.00275	0.00600	1	04/25/2025 12:18	WG2498996
Benzo(k)fluoranthene	U		0.00213	0.00600	1	04/25/2025 12:18	WG2498996
Benzo(a)pyrene	0.00189	J	0.00163	0.00600	1	04/25/2025 12:18	WG2498996
Chrysene	0.00271	J	0.00206	0.00600	1	04/25/2025 12:18	WG2498996
Dibenz(a,h)anthracene	U		0.00201	0.00600	1	04/25/2025 12:18	WG2498996
Fluoranthene	0.00895		0.00239	0.00600	1	04/25/2025 12:18	WG2498996
Fluorene	0.00270	J	0.00180	0.00600	1	04/25/2025 12:18	WG2498996
Indeno(1,2,3-cd)pyrene	U		0.00234	0.00600	1	04/25/2025 12:18	WG2498996
1-Methylnaphthalene	U		0.00219	0.0200	1	04/25/2025 12:18	WG2498996
2-Methylnaphthalene	U		0.00571	0.0200	1	04/25/2025 12:18	WG2498996
Naphthalene	U		0.00579	0.0200	1	04/25/2025 12:18	WG2498996
Pyrene	0.00622		0.00205	0.00600	1	04/25/2025 12:18	WG2498996
(S) p-Terphenyl-d14	134	J1		23.0-120		04/25/2025 12:18	WG2498996
(S) Nitrobenzene-d5	103			14.0-149		04/25/2025 12:18	WG2498996
(S) 2-Fluorobiphenyl	114			34.0-125		04/25/2025 12:18	WG2498996

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	4.00		1	04/28/2025 10:30	WG2500394

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	04/28/2025 17:10	WG2499964

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.78	T8	1	04/27/2025 11:36	WG2501074

Sample Narrative:
L1850129-13 WG2501074: 7.78 at 20.4C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	2910	umhos/cm		10.0	1	04/27/2025 16:49	WG2501081

Sample Narrative:
L1850129-13 WG2501081: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.21		0.0167	0.200	1	05/06/2025 16:12	WG2507312

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.57		0.100	1.00	5	04/25/2025 13:35	WG2496621
Barium	98.3		0.152	2.50	5	04/25/2025 13:35	WG2496621
Cadmium	0.172	J	0.0855	1.00	5	04/25/2025 13:35	WG2496621
Copper	15.7		0.132	5.00	5	04/25/2025 13:35	WG2496621
Lead	11.6		0.0990	2.00	5	04/25/2025 13:35	WG2496621
Nickel	14.1		0.197	2.50	5	04/25/2025 13:35	WG2496621
Selenium	0.921	J	0.180	2.50	5	04/25/2025 13:35	WG2496621
Silver	U		0.0865	0.500	5	04/25/2025 13:35	WG2496621
Zinc	61.1		0.740	25.0	5	04/25/2025 13:35	WG2496621

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0249	J	0.0217	0.100	1	04/23/2025 22:40	WG2497930
(S) a,a,a-Trifluorotoluene(FID)	109			77.0-120		04/23/2025 22:40	WG2497930

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	04/25/2025 05:19	WG2499471
Toluene	U		0.00130	0.00500	1	04/25/2025 05:19	WG2499471
Ethylbenzene	U		0.000737	0.00250	1	04/25/2025 05:19	WG2499471
Xylenes, Total	U		0.000880	0.00650	1	04/25/2025 05:19	WG2499471
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	04/25/2025 05:19	WG2499471
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	04/25/2025 05:19	WG2499471
(S) Toluene-d8	101			75.0-131		04/25/2025 05:19	WG2499471
(S) 4-Bromofluorobenzene	102			67.0-138		04/25/2025 05:19	WG2499471
(S) 1,2-Dichloroethane-d4	109			70.0-130		04/25/2025 05:19	WG2499471

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.61	4.00	1	04/25/2025 12:40	WG2498970
C28-C36 Motor Oil Range	0.905	J	0.274	4.00	1	04/25/2025 12:40	WG2498970
(S) o-Terphenyl	40.0			18.0-148		04/25/2025 12:40	WG2498970

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00162	0.00600	1	04/25/2025 12:37	WG2498996
Anthracene	U		0.00163	0.00600	1	04/25/2025 12:37	WG2498996
Benzo(a)anthracene	U		0.00200	0.00600	1	04/25/2025 12:37	WG2498996
Benzo(b)fluoranthene	U		0.00275	0.00600	1	04/25/2025 12:37	WG2498996
Benzo(k)fluoranthene	U		0.00213	0.00600	1	04/25/2025 12:37	WG2498996
Benzo(a)pyrene	U		0.00163	0.00600	1	04/25/2025 12:37	WG2498996
Chrysene	U		0.00206	0.00600	1	04/25/2025 12:37	WG2498996
Dibenz(a,h)anthracene	U		0.00201	0.00600	1	04/25/2025 12:37	WG2498996
Fluoranthene	U		0.00239	0.00600	1	04/25/2025 12:37	WG2498996
Fluorene	U		0.00180	0.00600	1	04/25/2025 12:37	WG2498996
Indeno(1,2,3-cd)pyrene	U		0.00234	0.00600	1	04/25/2025 12:37	WG2498996
1-Methylnaphthalene	U		0.00219	0.0200	1	04/25/2025 12:37	WG2498996
2-Methylnaphthalene	U		0.00571	0.0200	1	04/25/2025 12:37	WG2498996
Naphthalene	U		0.00579	0.0200	1	04/25/2025 12:37	WG2498996
Pyrene	U		0.00205	0.00600	1	04/25/2025 12:37	WG2498996
(S) p-Terphenyl-d14	115			23.0-120		04/25/2025 12:37	WG2498996
(S) Nitrobenzene-d5	95.7			14.0-149		04/25/2025 12:37	WG2498996
(S) 2-Fluorobiphenyl	95.7			34.0-125		04/25/2025 12:37	WG2498996

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

	Result	Qualifier	Dilution	Analysis date / time	Batch
Analyte					
Sodium Adsorption Ratio	4.18		1	04/27/2025 15:25	WG2497867

Wet Chemistry by Method 7199

	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Analyte							
Hexavalent Chromium	U		0.379	1.00	1	04/28/2025 07:21	WG2496156

Wet Chemistry by Method 9045D

	Result su	Qualifier	Dilution	Analysis date / time	Batch
Analyte					
pH	8.03	T8	1	04/27/2025 11:36	WG2501074

Sample Narrative:
L1850129-14 WG2501074: 8.03 at 20C

Wet Chemistry by Method 9050AMod

	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Analyte							
Specific Conductance	773	umhos/cm		10.0	1	04/27/2025 16:49	WG2501081

Sample Narrative:
L1850129-14 WG2501081: at 25C

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

	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Analyte							
Hot Water Sol. Boron	0.334		0.0167	0.200	1	05/05/2025 15:41	WG2506943

Metals (ICPMS) by Method 6020

	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Analyte							
Arsenic	2.43		0.100	1.00	5	04/25/2025 13:39	WG2496621
Barium	70.8		0.152	2.50	5	04/25/2025 13:39	WG2496621
Cadmium	U		0.0855	1.00	5	04/25/2025 13:39	WG2496621
Copper	7.55		0.132	5.00	5	04/25/2025 13:39	WG2496621
Lead	13.2		0.0990	2.00	5	04/25/2025 13:39	WG2496621
Nickel	6.63		0.197	2.50	5	04/25/2025 13:39	WG2496621
Selenium	0.656	J	0.180	2.50	5	04/25/2025 13:39	WG2496621
Silver	U		0.0865	0.500	5	04/25/2025 13:39	WG2496621
Zinc	28.7		0.740	25.0	5	04/25/2025 13:39	WG2496621

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

	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Analyte							
TPH (GC/FID) Low Fraction	U		0.0217	0.100	1	04/25/2025 16:11	WG2500002
(S) a,a,a-Trifluorotoluene(FID)	88.8			77.0-120		04/25/2025 16:11	WG2500002

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	04/25/2025 05:39	WG2499471
Toluene	U		0.00130	0.00500	1	04/25/2025 05:39	WG2499471
Ethylbenzene	U		0.000737	0.00250	1	04/25/2025 05:39	WG2499471
Xylenes, Total	U		0.000880	0.00650	1	04/25/2025 05:39	WG2499471
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	04/25/2025 05:39	WG2499471
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	04/25/2025 05:39	WG2499471
(S) Toluene-d8	97.8			75.0-131		04/25/2025 05:39	WG2499471
(S) 4-Bromofluorobenzene	105			67.0-138		04/25/2025 05:39	WG2499471
(S) 1,2-Dichloroethane-d4	110			70.0-130		04/25/2025 05:39	WG2499471

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.61	4.00	1	04/25/2025 12:55	WG2498970
C28-C36 Motor Oil Range	4.58		0.274	4.00	1	04/25/2025 12:55	WG2498970
(S) o-Terphenyl	59.4			18.0-148		04/25/2025 12:55	WG2498970

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00162	0.00600	1	04/25/2025 12:57	WG2498996
Anthracene	U		0.00163	0.00600	1	04/25/2025 12:57	WG2498996
Benzo(a)anthracene	U		0.00200	0.00600	1	04/25/2025 12:57	WG2498996
Benzo(b)fluoranthene	U		0.00275	0.00600	1	04/25/2025 12:57	WG2498996
Benzo(k)fluoranthene	U		0.00213	0.00600	1	04/25/2025 12:57	WG2498996
Benzo(a)pyrene	U		0.00163	0.00600	1	04/25/2025 12:57	WG2498996
Chrysene	U		0.00206	0.00600	1	04/25/2025 12:57	WG2498996
Dibenz(a,h)anthracene	U		0.00201	0.00600	1	04/25/2025 12:57	WG2498996
Fluoranthene	U		0.00239	0.00600	1	04/25/2025 12:57	WG2498996
Fluorene	U		0.00180	0.00600	1	04/25/2025 12:57	WG2498996
Indeno(1,2,3-cd)pyrene	U		0.00234	0.00600	1	04/25/2025 12:57	WG2498996
1-Methylnaphthalene	U		0.00219	0.0200	1	04/25/2025 12:57	WG2498996
2-Methylnaphthalene	U		0.00571	0.0200	1	04/25/2025 12:57	WG2498996
Naphthalene	U		0.00579	0.0200	1	04/25/2025 12:57	WG2498996
Pyrene	U		0.00205	0.00600	1	04/25/2025 12:57	WG2498996
(S) p-Terphenyl-d14	153	J1		23.0-120		04/25/2025 12:57	WG2498996
(S) Nitrobenzene-d5	110			14.0-149		04/25/2025 12:57	WG2498996
(S) 2-Fluorobiphenyl	126	J1		34.0-125		04/25/2025 12:57	WG2498996

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	5.58		1	04/27/2025 15:30	WG2497867

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	04/28/2025 07:42	WG2496156

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.03	T8	1	04/27/2025 11:36	WG2501074

Sample Narrative:
L1850129-15 WG2501074: 8.03 at 19.5C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1370	umhos/cm		10.0	1	04/27/2025 16:49	WG2501081

Sample Narrative:
L1850129-15 WG2501081: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.554		0.0167	0.200	1	05/05/2025 15:43	WG2506943

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.44		0.100	1.00	5	04/25/2025 13:42	WG2496621
Barium	70.7		0.152	2.50	5	04/25/2025 13:42	WG2496621
Cadmium	0.105	J	0.0855	1.00	5	04/25/2025 13:42	WG2496621
Copper	6.93		0.132	5.00	5	04/25/2025 13:42	WG2496621
Lead	6.74		0.0990	2.00	5	04/25/2025 13:42	WG2496621
Nickel	6.61		0.197	2.50	5	04/25/2025 13:42	WG2496621
Selenium	0.597	J	0.180	2.50	5	04/25/2025 13:42	WG2496621
Silver	U		0.0865	0.500	5	04/25/2025 13:42	WG2496621
Zinc	28.2		0.740	25.0	5	04/25/2025 13:42	WG2496621

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0645	J	0.0217	0.100	1	04/23/2025 15:22	WG2498119
(S) a,a,a-Trifluorotoluene(FID)	99.6			77.0-120		04/23/2025 15:22	WG2498119

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	04/25/2025 05:58	WG2499471
Toluene	U		0.00130	0.00500	1	04/25/2025 05:58	WG2499471
Ethylbenzene	U		0.000737	0.00250	1	04/25/2025 05:58	WG2499471
Xylenes, Total	U		0.000880	0.00650	1	04/25/2025 05:58	WG2499471
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	04/25/2025 05:58	WG2499471
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	04/25/2025 05:58	WG2499471
(S) Toluene-d8	99.7			75.0-131		04/25/2025 05:58	WG2499471
(S) 4-Bromofluorobenzene	106			67.0-138		04/25/2025 05:58	WG2499471
(S) 1,2-Dichloroethane-d4	107			70.0-130		04/25/2025 05:58	WG2499471

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	10.8		1.61	4.00	1	04/25/2025 15:34	WG2498970
C28-C36 Motor Oil Range	17.8		0.274	4.00	1	04/25/2025 15:34	WG2498970
(S) o-Terphenyl	49.8			18.0-148		04/25/2025 15:34	WG2498970

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00162	0.00600	1	04/25/2025 13:16	WG2498996
Anthracene	U		0.00163	0.00600	1	04/25/2025 13:16	WG2498996
Benzo(a)anthracene	U		0.00200	0.00600	1	04/25/2025 13:16	WG2498996
Benzo(b)fluoranthene	U		0.00275	0.00600	1	04/25/2025 13:16	WG2498996
Benzo(k)fluoranthene	U		0.00213	0.00600	1	04/25/2025 13:16	WG2498996
Benzo(a)pyrene	U		0.00163	0.00600	1	04/25/2025 13:16	WG2498996
Chrysene	U		0.00206	0.00600	1	04/25/2025 13:16	WG2498996
Dibenz(a,h)anthracene	U		0.00201	0.00600	1	04/25/2025 13:16	WG2498996
Fluoranthene	U		0.00239	0.00600	1	04/25/2025 13:16	WG2498996
Fluorene	U		0.00180	0.00600	1	04/25/2025 13:16	WG2498996
Indeno(1,2,3-cd)pyrene	U		0.00234	0.00600	1	04/25/2025 13:16	WG2498996
1-Methylnaphthalene	0.00223	J	0.00219	0.0200	1	04/25/2025 13:16	WG2498996
2-Methylnaphthalene	U		0.00571	0.0200	1	04/25/2025 13:16	WG2498996
Naphthalene	U		0.00579	0.0200	1	04/25/2025 13:16	WG2498996
Pyrene	U		0.00205	0.00600	1	04/25/2025 13:16	WG2498996
(S) p-Terphenyl-d14	138	J1		23.0-120		04/25/2025 13:16	WG2498996
(S) Nitrobenzene-d5	115			14.0-149		04/25/2025 13:16	WG2498996
(S) 2-Fluorobiphenyl	122			34.0-125		04/25/2025 13:16	WG2498996

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	3.89		1	04/27/2025 15:31	WG2497867

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U	J6	0.379	1.00	1	04/28/2025 07:53	WG2496156

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.90	T8	1	04/27/2025 11:36	WG2501074

Sample Narrative:
L1850129-16 WG2501074: 7.9 at 19.7C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	2090	umhos/cm		10.0	1	04/27/2025 16:49	WG2501081

Sample Narrative:
L1850129-16 WG2501081: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.524		0.0167	0.200	1	05/05/2025 15:45	WG2506943

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.93		0.100	1.00	5	04/25/2025 13:45	WG2496621
Barium	136		0.152	2.50	5	04/25/2025 13:45	WG2496621
Cadmium	0.148	J	0.0855	1.00	5	04/25/2025 13:45	WG2496621
Copper	11.2		0.132	5.00	5	04/25/2025 13:45	WG2496621
Lead	9.36		0.0990	2.00	5	04/25/2025 13:45	WG2496621
Nickel	9.85		0.197	2.50	5	04/25/2025 13:45	WG2496621
Selenium	0.901	J	0.180	2.50	5	04/25/2025 13:45	WG2496621
Silver	U		0.0865	0.500	5	04/25/2025 13:45	WG2496621
Zinc	43.1		0.740	25.0	5	04/25/2025 13:45	WG2496621

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0347	J	0.0217	0.100	1	04/23/2025 15:44	WG2498119
(S) a,a,a-Trifluorotoluene(FID)	100			77.0-120		04/23/2025 15:44	WG2498119

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	04/25/2025 06:18	WG2499471
Toluene	U		0.00130	0.00500	1	04/25/2025 06:18	WG2499471
Ethylbenzene	U		0.000737	0.00250	1	04/25/2025 06:18	WG2499471
Xylenes, Total	U		0.000880	0.00650	1	04/25/2025 06:18	WG2499471
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	04/25/2025 06:18	WG2499471
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	04/25/2025 06:18	WG2499471
(S) Toluene-d8	98.6			75.0-131		04/25/2025 06:18	WG2499471
(S) 4-Bromofluorobenzene	104			67.0-138		04/25/2025 06:18	WG2499471
(S) 1,2-Dichloroethane-d4	107			70.0-130		04/25/2025 06:18	WG2499471

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	3.24	J	1.61	4.00	1	04/25/2025 16:32	WG2498970
C28-C36 Motor Oil Range	7.07		0.274	4.00	1	04/25/2025 16:32	WG2498970
(S) o-Terphenyl	43.6			18.0-148		04/25/2025 16:32	WG2498970

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.0528		0.00162	0.00600	1	04/25/2025 13:36	WG2498996
Anthracene	0.0745		0.00163	0.00600	1	04/25/2025 13:36	WG2498996
Benzo(a)anthracene	0.133		0.00200	0.00600	1	04/25/2025 13:36	WG2498996
Benzo(b)fluoranthene	0.125		0.00275	0.00600	1	04/25/2025 13:36	WG2498996
Benzo(k)fluoranthene	0.0500		0.00213	0.00600	1	04/25/2025 13:36	WG2498996
Benzo(a)pyrene	0.0891		0.00163	0.00600	1	04/25/2025 13:36	WG2498996
Chrysene	0.133		0.00206	0.00600	1	04/25/2025 13:36	WG2498996
Dibenz(a,h)anthracene	0.0151		0.00201	0.00600	1	04/25/2025 13:36	WG2498996
Fluoranthene	0.424		0.00239	0.00600	1	04/25/2025 13:36	WG2498996
Fluorene	0.0511		0.00180	0.00600	1	04/25/2025 13:36	WG2498996
Indeno(1,2,3-cd)pyrene	0.0589		0.00234	0.00600	1	04/25/2025 13:36	WG2498996
1-Methylnaphthalene	0.00473	J	0.00219	0.0200	1	04/25/2025 13:36	WG2498996
2-Methylnaphthalene	0.00782	J	0.00571	0.0200	1	04/25/2025 13:36	WG2498996
Naphthalene	0.0242		0.00579	0.0200	1	04/25/2025 13:36	WG2498996
Pyrene	0.323		0.00205	0.00600	1	04/25/2025 13:36	WG2498996
(S) p-Terphenyl-d14	135	J1		23.0-120		04/25/2025 13:36	WG2498996
(S) Nitrobenzene-d5	107			14.0-149		04/25/2025 13:36	WG2498996
(S) 2-Fluorobiphenyl	116			34.0-125		04/25/2025 13:36	WG2498996

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	3.75		1	04/27/2025 15:33	WG2497867

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	04/28/2025 09:10	WG2496156

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.00	T8	1	04/27/2025 11:36	WG2501074

Sample Narrative:

L1850129-17 WG2501074: 8 at 19.7C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1080	umhos/cm		10.0	1	04/27/2025 16:49	WG2501081

Sample Narrative:

L1850129-17 WG2501081: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.340		0.0167	0.200	1	05/05/2025 15:52	WG2506943

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.92		0.100	1.00	5	04/25/2025 13:49	WG2496621
Barium	55.6		0.152	2.50	5	04/25/2025 13:49	WG2496621
Cadmium	0.118	J	0.0855	1.00	5	04/25/2025 13:49	WG2496621
Copper	5.61		0.132	5.00	5	04/25/2025 13:49	WG2496621
Lead	6.08		0.0990	2.00	5	04/25/2025 13:49	WG2496621
Nickel	5.27		0.197	2.50	5	04/25/2025 13:49	WG2496621
Selenium	0.739	J	0.180	2.50	5	04/25/2025 13:49	WG2496621
Silver	U		0.0865	0.500	5	04/25/2025 13:49	WG2496621
Zinc	21.4	J	0.740	25.0	5	04/25/2025 13:49	WG2496621

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0974	J	0.0217	0.100	1	04/23/2025 16:07	WG2498119
(S) a,a,a-Trifluorotoluene(FID)	98.9			77.0-120		04/23/2025 16:07	WG2498119

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	0.000575	<u>J</u>	0.000467	0.00100	1	04/25/2025 06:37	WG2499471
Toluene	0.00395	<u>J</u>	0.00130	0.00500	1	04/25/2025 06:37	WG2499471
Ethylbenzene	U		0.000737	0.00250	1	04/25/2025 06:37	WG2499471
Xylenes, Total	0.00497	<u>J</u>	0.000880	0.00650	1	04/25/2025 06:37	WG2499471
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	04/25/2025 06:37	WG2499471
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	04/25/2025 06:37	WG2499471
(S) Toluene-d8	97.9			75.0-131		04/25/2025 06:37	WG2499471
(S) 4-Bromofluorobenzene	105			67.0-138		04/25/2025 06:37	WG2499471
(S) 1,2-Dichloroethane-d4	109			70.0-130		04/25/2025 06:37	WG2499471

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

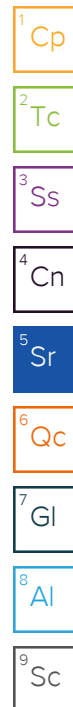
Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	323		32.2	80.0	20	04/25/2025 17:59	WG2498970
C28-C36 Motor Oil Range	323		5.48	80.0	20	04/25/2025 17:59	WG2498970
(S) o-Terphenyl	79.8	<u>J7</u>		18.0-148		04/25/2025 17:59	WG2498970

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	6.57		0.0324	0.120	20	04/26/2025 17:40	WG2498996
Anthracene	8.42		0.0326	0.120	20	04/26/2025 17:40	WG2498996
Benzo(a)anthracene	11.2		0.0400	0.120	20	04/26/2025 17:40	WG2498996
Benzo(b)fluoranthene	10.4		0.0550	0.120	20	04/26/2025 17:40	WG2498996
Benzo(k)fluoranthene	2.99		0.00213	0.00600	1	04/25/2025 17:50	WG2498996
Benzo(a)pyrene	7.37		0.0326	0.120	20	04/26/2025 17:40	WG2498996
Chrysene	11.2		0.0412	0.120	20	04/26/2025 17:40	WG2498996
Dibenz(a,h)anthracene	1.02		0.00201	0.00600	1	04/25/2025 17:50	WG2498996
Fluoranthene	37.5		0.0478	0.120	20	04/26/2025 17:40	WG2498996
Fluorene	6.71		0.0360	0.120	20	04/26/2025 17:40	WG2498996
Indeno(1,2,3-cd)pyrene	5.03		0.0468	0.120	20	04/26/2025 17:40	WG2498996
1-Methylnaphthalene	0.669		0.00219	0.0200	1	04/25/2025 17:50	WG2498996
2-Methylnaphthalene	1.23		0.00571	0.0200	1	04/25/2025 17:50	WG2498996
Naphthalene	6.69		0.116	0.400	20	04/26/2025 17:40	WG2498996
Pyrene	23.9		0.0410	0.120	20	04/26/2025 17:40	WG2498996
(S) p-Terphenyl-d14	159	<u>J7</u>		23.0-120		04/26/2025 17:40	WG2498996
(S) p-Terphenyl-d14	129	<u>J1</u>		23.0-120		04/25/2025 17:50	WG2498996
(S) Nitrobenzene-d5	0.000	<u>J7</u>		14.0-149		04/26/2025 17:40	WG2498996
(S) Nitrobenzene-d5	0.000	<u>J2</u>		14.0-149		04/25/2025 17:50	WG2498996
(S) 2-Fluorobiphenyl	108			34.0-125		04/25/2025 17:50	WG2498996
(S) 2-Fluorobiphenyl	142	<u>J7</u>		34.0-125		04/26/2025 17:40	WG2498996

Sample Narrative:

L1850129-17 WG2498996: Surrogate failure due to matrix interference



Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	3.68		1	04/27/2025 15:35	WG2497867

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	04/28/2025 09:20	WG2496156

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.00	T8	1	04/27/2025 11:36	WG2501074

Sample Narrative:
L1850129-18 WG2501074: 8 at 19.7C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	638	umhos/cm		10.0	1	04/27/2025 16:49	WG2501081

Sample Narrative:
L1850129-18 WG2501081: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.479		0.0167	0.200	1	05/05/2025 15:47	WG2506943

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.16		0.100	1.00	5	04/25/2025 13:52	WG2496621
Barium	109		0.152	2.50	5	04/25/2025 13:52	WG2496621
Cadmium	0.147	J	0.0855	1.00	5	04/25/2025 13:52	WG2496621
Copper	10.6		0.132	5.00	5	04/25/2025 13:52	WG2496621
Lead	8.91		0.0990	2.00	5	04/25/2025 13:52	WG2496621
Nickel	8.53		0.197	2.50	5	04/25/2025 13:52	WG2496621
Selenium	0.800	J	0.180	2.50	5	04/25/2025 13:52	WG2496621
Silver	U		0.0865	0.500	5	04/25/2025 13:52	WG2496621
Zinc	43.1		0.740	25.0	5	04/25/2025 13:52	WG2496621

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0448	J	0.0217	0.100	1	04/23/2025 16:29	WG2498119
(S) a,a,a-Trifluorotoluene(FID)	97.9			77.0-120		04/23/2025 16:29	WG2498119

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	04/25/2025 06:56	WG2499471
Toluene	U		0.00130	0.00500	1	04/25/2025 06:56	WG2499471
Ethylbenzene	U		0.000737	0.00250	1	04/25/2025 06:56	WG2499471
Xylenes, Total	U		0.000880	0.00650	1	04/25/2025 06:56	WG2499471
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	04/25/2025 06:56	WG2499471
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	04/25/2025 06:56	WG2499471
(S) Toluene-d8	97.4			75.0-131		04/25/2025 06:56	WG2499471
(S) 4-Bromofluorobenzene	103			67.0-138		04/25/2025 06:56	WG2499471
(S) 1,2-Dichloroethane-d4	109			70.0-130		04/25/2025 06:56	WG2499471

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	5.05		1.61	4.00	1	04/25/2025 16:47	WG2498970
C28-C36 Motor Oil Range	21.7		0.274	4.00	1	04/25/2025 16:47	WG2498970
(S) o-Terphenyl	48.3			18.0-148		04/25/2025 16:47	WG2498970

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.0296		0.00162	0.00600	1	04/25/2025 13:55	WG2498996
Anthracene	0.0505		0.00163	0.00600	1	04/25/2025 13:55	WG2498996
Benzo(a)anthracene	0.0507		0.00200	0.00600	1	04/25/2025 13:55	WG2498996
Benzo(b)fluoranthene	0.0441		0.00275	0.00600	1	04/25/2025 13:55	WG2498996
Benzo(k)fluoranthene	0.0178		0.00213	0.00600	1	04/25/2025 13:55	WG2498996
Benzo(a)pyrene	0.0328		0.00163	0.00600	1	04/25/2025 13:55	WG2498996
Chrysene	0.0510		0.00206	0.00600	1	04/25/2025 13:55	WG2498996
Dibenz(a,h)anthracene	0.00604		0.00201	0.00600	1	04/25/2025 13:55	WG2498996
Fluoranthene	0.154		0.00239	0.00600	1	04/25/2025 13:55	WG2498996
Fluorene	0.0394		0.00180	0.00600	1	04/25/2025 13:55	WG2498996
Indeno(1,2,3-cd)pyrene	0.0201		0.00234	0.00600	1	04/25/2025 13:55	WG2498996
1-Methylnaphthalene	0.00458	U	0.00219	0.0200	1	04/25/2025 13:55	WG2498996
2-Methylnaphthalene	0.00807	U	0.00571	0.0200	1	04/25/2025 13:55	WG2498996
Naphthalene	0.0198	U	0.00579	0.0200	1	04/25/2025 13:55	WG2498996
Pyrene	0.109		0.00205	0.00600	1	04/25/2025 13:55	WG2498996
(S) p-Terphenyl-d14	135	U1		23.0-120		04/25/2025 13:55	WG2498996
(S) Nitrobenzene-d5	114			14.0-149		04/25/2025 13:55	WG2498996
(S) 2-Fluorobiphenyl	120			34.0-125		04/25/2025 13:55	WG2498996

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	3.17		1	04/25/2025 20:18	WG2497866

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	04/28/2025 09:31	WG2496156

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.04	T8	1	04/25/2025 17:15	WG2500238

Sample Narrative:
L1850129-19 WG2500238: 8.04 at 21.6C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1400	umhos/cm		10.0	1	04/25/2025 19:14	WG2500244

Sample Narrative:
L1850129-19 WG2500244: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.270		0.0167	0.200	1	04/26/2025 14:40	WG2497954

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.22		0.100	1.00	5	04/25/2025 13:55	WG2496621
Barium	116		0.152	2.50	5	04/25/2025 13:55	WG2496621
Cadmium	0.135	J	0.0855	1.00	5	04/25/2025 13:55	WG2496621
Copper	11.2		0.132	5.00	5	04/25/2025 13:55	WG2496621
Lead	9.54		0.0990	2.00	5	04/25/2025 13:55	WG2496621
Nickel	8.58		0.197	2.50	5	04/25/2025 13:55	WG2496621
Selenium	0.942	J	0.180	2.50	5	04/25/2025 13:55	WG2496621
Silver	U		0.0865	0.500	5	04/25/2025 13:55	WG2496621
Zinc	43.4		0.740	25.0	5	04/25/2025 13:55	WG2496621

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0344	J	0.0217	0.100	1	04/23/2025 16:52	WG2498119
(S) a,a,a-Trifluorotoluene(FID)	98.6			77.0-120		04/23/2025 16:52	WG2498119

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	04/25/2025 07:16	WG2499471
Toluene	U		0.00130	0.00500	1	04/25/2025 07:16	WG2499471
Ethylbenzene	U		0.000737	0.00250	1	04/25/2025 07:16	WG2499471
Xylenes, Total	U		0.000880	0.00650	1	04/25/2025 07:16	WG2499471
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	04/25/2025 07:16	WG2499471
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	04/25/2025 07:16	WG2499471
(S) Toluene-d8	100			75.0-131		04/25/2025 07:16	WG2499471
(S) 4-Bromofluorobenzene	104			67.0-138		04/25/2025 07:16	WG2499471
(S) 1,2-Dichloroethane-d4	108			70.0-130		04/25/2025 07:16	WG2499471

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	2.00	<u>J</u>	1.61	4.00	1	04/25/2025 14:51	WG2498970
C28-C36 Motor Oil Range	5.95		0.274	4.00	1	04/25/2025 14:51	WG2498970
(S) o-Terphenyl	54.8			18.0-148		04/25/2025 14:51	WG2498970

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.0135		0.00162	0.00600	1	04/25/2025 14:15	WG2498996
Anthracene	0.0231		0.00163	0.00600	1	04/25/2025 14:15	WG2498996
Benzo(a)anthracene	0.0166		0.00200	0.00600	1	04/25/2025 14:15	WG2498996
Benzo(b)fluoranthene	0.0157		0.00275	0.00600	1	04/25/2025 14:15	WG2498996
Benzo(k)fluoranthene	0.00485	<u>J</u>	0.00213	0.00600	1	04/25/2025 14:15	WG2498996
Benzo(a)pyrene	0.0116		0.00163	0.00600	1	04/25/2025 14:15	WG2498996
Chrysene	0.0177		0.00206	0.00600	1	04/25/2025 14:15	WG2498996
Dibenz(a,h)anthracene	U		0.00201	0.00600	1	04/25/2025 14:15	WG2498996
Fluoranthene	0.0581		0.00239	0.00600	1	04/25/2025 14:15	WG2498996
Fluorene	0.0158		0.00180	0.00600	1	04/25/2025 14:15	WG2498996
Indeno(1,2,3-cd)pyrene	0.00789		0.00234	0.00600	1	04/25/2025 14:15	WG2498996
1-Methylnaphthalene	0.00533	<u>J</u>	0.00219	0.0200	1	04/25/2025 14:15	WG2498996
2-Methylnaphthalene	0.00819	<u>J</u>	0.00571	0.0200	1	04/25/2025 14:15	WG2498996
Naphthalene	0.0156	<u>J</u>	0.00579	0.0200	1	04/25/2025 14:15	WG2498996
Pyrene	0.0437		0.00205	0.00600	1	04/25/2025 14:15	WG2498996
(S) p-Terphenyl-d14	137	<u>J1</u>		23.0-120		04/25/2025 14:15	WG2498996
(S) Nitrobenzene-d5	107			14.0-149		04/25/2025 14:15	WG2498996
(S) 2-Fluorobiphenyl	120			34.0-125		04/25/2025 14:15	WG2498996

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	4.59		1	04/27/2025 15:36	WG2497867

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	04/28/2025 09:41	WG2496156

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.30	T8	1	04/27/2025 11:36	WG2501074

Sample Narrative:
L1850129-20 WG2501074: 8.3 at 21.1C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1340	umhos/cm		10.0	1	04/27/2025 16:49	WG2501081

Sample Narrative:
L1850129-20 WG2501081: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.398		0.0167	0.200	1	05/05/2025 15:48	WG2506943

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.63		0.100	1.00	5	04/25/2025 12:55	WG2496621
Barium	118		0.152	2.50	5	04/25/2025 12:55	WG2496621
Cadmium	0.140	J	0.0855	1.00	5	04/25/2025 12:55	WG2496621
Copper	10.9		0.132	5.00	5	04/25/2025 12:55	WG2496621
Lead	9.58		0.0990	2.00	5	04/25/2025 12:55	WG2496621
Nickel	12.0		0.197	2.50	5	04/25/2025 12:55	WG2496621
Selenium	0.998	J	0.180	2.50	5	04/25/2025 12:55	WG2496621
Silver	U		0.0865	0.500	5	04/25/2025 12:55	WG2496621
Zinc	45.8		0.740	25.0	5	04/25/2025 12:55	WG2496621

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0343	J	0.0217	0.100	1	04/23/2025 17:14	WG2498119
(S) a,a,a-Trifluorotoluene(FID)	98.8			77.0-120		04/23/2025 17:14	WG2498119

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	04/25/2025 07:35	WG2499471
Toluene	U		0.00130	0.00500	1	04/25/2025 07:35	WG2499471
Ethylbenzene	U		0.000737	0.00250	1	04/25/2025 07:35	WG2499471
Xylenes, Total	U		0.000880	0.00650	1	04/25/2025 07:35	WG2499471
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	04/25/2025 07:35	WG2499471
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	04/25/2025 07:35	WG2499471
(S) Toluene-d8	102			75.0-131		04/25/2025 07:35	WG2499471
(S) 4-Bromofluorobenzene	107			67.0-138		04/25/2025 07:35	WG2499471
(S) 1,2-Dichloroethane-d4	109			70.0-130		04/25/2025 07:35	WG2499471

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	3.33	J	1.61	4.00	1	04/25/2025 19:12	WG2498970
C28-C36 Motor Oil Range	3.60	J	0.274	4.00	1	04/25/2025 19:12	WG2498970
(S) o-Terphenyl	49.4			18.0-148		04/25/2025 19:12	WG2498970

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.141		0.00162	0.00600	1	04/25/2025 14:35	WG2498996
Anthracene	0.191		0.00163	0.00600	1	04/25/2025 14:35	WG2498996
Benzo(a)anthracene	0.174		0.00200	0.00600	1	04/25/2025 14:35	WG2498996
Benzo(b)fluoranthene	0.151		0.00275	0.00600	1	04/25/2025 14:35	WG2498996
Benzo(k)fluoranthene	0.0582		0.00213	0.00600	1	04/25/2025 14:35	WG2498996
Benzo(a)pyrene	0.112		0.00163	0.00600	1	04/25/2025 14:35	WG2498996
Chrysene	0.178		0.00206	0.00600	1	04/25/2025 14:35	WG2498996
Dibenz(a,h)anthracene	0.0199		0.00201	0.00600	1	04/25/2025 14:35	WG2498996
Fluoranthene	0.535		0.00239	0.00600	1	04/25/2025 14:35	WG2498996
Fluorene	0.182		0.00180	0.00600	1	04/25/2025 14:35	WG2498996
Indeno(1,2,3-cd)pyrene	0.0667		0.00234	0.00600	1	04/25/2025 14:35	WG2498996
1-Methylnaphthalene	0.0216		0.00219	0.0200	1	04/25/2025 14:35	WG2498996
2-Methylnaphthalene	0.0402		0.00571	0.0200	1	04/25/2025 14:35	WG2498996
Naphthalene	0.103		0.00579	0.0200	1	04/25/2025 14:35	WG2498996
Pyrene	0.385		0.00205	0.00600	1	04/25/2025 14:35	WG2498996
(S) p-Terphenyl-d14	122	J1		23.0-120		04/25/2025 14:35	WG2498996
(S) Nitrobenzene-d5	107			14.0-149		04/25/2025 14:35	WG2498996
(S) 2-Fluorobiphenyl	115			34.0-125		04/25/2025 14:35	WG2498996

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

	Result	Qualifier	Dilution	Analysis date / time	Batch
Analyte					
Sodium Adsorption Ratio	3.10		1	04/27/2025 15:38	WG2497867

Wet Chemistry by Method 7199

	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Analyte							
Hexavalent Chromium	U		0.379	1.00	1	04/28/2025 09:52	WG2496156

Wet Chemistry by Method 9045D

	Result su	Qualifier	Dilution	Analysis date / time	Batch
Analyte					
pH	7.95	T8	1	04/27/2025 11:36	WG2501074

Sample Narrative:
L1850129-21 WG2501074: 7.95 at 20.9C

Wet Chemistry by Method 9050AMod

	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Analyte							
Specific Conductance	1450	umhos/cm		10.0	1	04/27/2025 16:49	WG2501081

Sample Narrative:
L1850129-21 WG2501081: at 25C

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

	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Analyte							
Hot Water Sol. Boron	0.467		0.0167	0.200	1	05/05/2025 15:50	WG2506943

Metals (ICPMS) by Method 6020

	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Analyte							
Arsenic	3.30		0.100	1.00	5	04/25/2025 13:59	WG2496621
Barium	120		0.152	2.50	5	04/25/2025 13:59	WG2496621
Cadmium	0.119	J	0.0855	1.00	5	04/25/2025 13:59	WG2496621
Copper	9.60		0.132	5.00	5	04/25/2025 13:59	WG2496621
Lead	8.64		0.0990	2.00	5	04/25/2025 13:59	WG2496621
Nickel	8.79		0.197	2.50	5	04/25/2025 13:59	WG2496621
Selenium	0.783	J	0.180	2.50	5	04/25/2025 13:59	WG2496621
Silver	U		0.0865	0.500	5	04/25/2025 13:59	WG2496621
Zinc	38.3		0.740	25.0	5	04/25/2025 13:59	WG2496621

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

	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Analyte							
TPH (GC/FID) Low Fraction	0.0443	J	0.0217	0.100	1	04/23/2025 17:37	WG2498119
(S) a,a,a-Trifluorotoluene(FID)	97.8			77.0-120		04/23/2025 17:37	WG2498119

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	04/25/2025 11:44	WG2499752
Toluene	U		0.00130	0.00500	1	04/25/2025 11:44	WG2499752
Ethylbenzene	U		0.000737	0.00250	1	04/25/2025 11:44	WG2499752
Xylenes, Total	U		0.000880	0.00650	1	04/25/2025 11:44	WG2499752
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	04/25/2025 11:44	WG2499752
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	04/25/2025 11:44	WG2499752
(S) Toluene-d8	95.8			75.0-131		04/25/2025 11:44	WG2499752
(S) 4-Bromofluorobenzene	101			67.0-138		04/25/2025 11:44	WG2499752
(S) 1,2-Dichloroethane-d4	99.3			70.0-130		04/25/2025 11:44	WG2499752

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.61	4.00	1	04/25/2025 17:23	WG2498973
C28-C36 Motor Oil Range	1.47	J	0.274	4.00	1	04/25/2025 17:23	WG2498973
(S) o-Terphenyl	52.1			18.0-148		04/25/2025 17:23	WG2498973

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.00765		0.00162	0.00600	1	04/25/2025 14:54	WG2498996
Anthracene	0.0108		0.00163	0.00600	1	04/25/2025 14:54	WG2498996
Benzo(a)anthracene	0.00940		0.00200	0.00600	1	04/25/2025 14:54	WG2498996
Benzo(b)fluoranthene	0.00826		0.00275	0.00600	1	04/25/2025 14:54	WG2498996
Benzo(k)fluoranthene	0.00324	J	0.00213	0.00600	1	04/25/2025 14:54	WG2498996
Benzo(a)pyrene	0.00633		0.00163	0.00600	1	04/25/2025 14:54	WG2498996
Chrysene	0.00954		0.00206	0.00600	1	04/25/2025 14:54	WG2498996
Dibenz(a,h)anthracene	U		0.00201	0.00600	1	04/25/2025 14:54	WG2498996
Fluoranthene	0.0282		0.00239	0.00600	1	04/25/2025 14:54	WG2498996
Fluorene	0.00984		0.00180	0.00600	1	04/25/2025 14:54	WG2498996
Indeno(1,2,3-cd)pyrene	0.00390	J	0.00234	0.00600	1	04/25/2025 14:54	WG2498996
1-Methylnaphthalene	U		0.00219	0.0200	1	04/25/2025 14:54	WG2498996
2-Methylnaphthalene	U		0.00571	0.0200	1	04/25/2025 14:54	WG2498996
Naphthalene	0.00658	J	0.00579	0.0200	1	04/25/2025 14:54	WG2498996
Pyrene	0.0206		0.00205	0.00600	1	04/25/2025 14:54	WG2498996
(S) p-Terphenyl-d14	127	J1		23.0-120		04/25/2025 14:54	WG2498996
(S) Nitrobenzene-d5	105			14.0-149		04/25/2025 14:54	WG2498996
(S) 2-Fluorobiphenyl	116			34.0-125		04/25/2025 14:54	WG2498996

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	3.18		1	04/27/2025 15:40	WG2497867

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	04/28/2025 10:02	WG2496156

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.88	T8	1	04/27/2025 11:36	WG2501074

Sample Narrative:
L1850129-22 WG2501074: 7.88 at 21.1C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1430	umhos/cm		10.0	1	04/27/2025 16:49	WG2501081

Sample Narrative:
L1850129-22 WG2501081: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.359		0.0167	0.200	1	05/05/2025 15:57	WG2506943

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.64		0.100	1.00	5	04/25/2025 14:12	WG2496621
Barium	102		0.152	2.50	5	04/25/2025 14:12	WG2496621
Cadmium	0.0868	J	0.0855	1.00	5	04/25/2025 14:12	WG2496621
Copper	7.27		0.132	5.00	5	04/25/2025 14:12	WG2496621
Lead	7.72		0.0990	2.00	5	04/25/2025 14:12	WG2496621
Nickel	7.11		0.197	2.50	5	04/25/2025 14:12	WG2496621
Selenium	0.795	J	0.180	2.50	5	04/25/2025 14:12	WG2496621
Silver	U		0.0865	0.500	5	04/25/2025 14:12	WG2496621
Zinc	29.9		0.740	25.0	5	04/25/2025 14:12	WG2496621

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0393	J	0.0217	0.100	1	04/23/2025 17:59	WG2498119
(S) a,a,a-Trifluorotoluene(FID)	98.6			77.0-120		04/23/2025 17:59	WG2498119

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	04/25/2025 16:49	WG2499752
Toluene	U		0.00130	0.00500	1	04/25/2025 16:49	WG2499752
Ethylbenzene	U		0.000737	0.00250	1	04/25/2025 16:49	WG2499752
Xylenes, Total	U		0.000880	0.00650	1	04/25/2025 16:49	WG2499752
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	04/25/2025 16:49	WG2499752
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	04/25/2025 16:49	WG2499752
(S) Toluene-d8	109			75.0-131		04/25/2025 16:49	WG2499752
(S) 4-Bromofluorobenzene	109			67.0-138		04/25/2025 16:49	WG2499752
(S) 1,2-Dichloroethane-d4	86.9			70.0-130		04/25/2025 16:49	WG2499752

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	2.97	U	1.61	4.00	1	04/25/2025 19:31	WG2498973
C28-C36 Motor Oil Range	4.47		0.274	4.00	1	04/25/2025 19:31	WG2498973
(S) o-Terphenyl	61.3			18.0-148		04/25/2025 19:31	WG2498973

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.00989		0.00162	0.00600	1	04/25/2025 15:14	WG2498996
Anthracene	0.0139		0.00163	0.00600	1	04/25/2025 15:14	WG2498996
Benzo(a)anthracene	0.0138		0.00200	0.00600	1	04/25/2025 15:14	WG2498996
Benzo(b)fluoranthene	0.0127		0.00275	0.00600	1	04/25/2025 15:14	WG2498996
Benzo(k)fluoranthene	0.00423	U	0.00213	0.00600	1	04/25/2025 15:14	WG2498996
Benzo(a)pyrene	0.00903		0.00163	0.00600	1	04/25/2025 15:14	WG2498996
Chrysene	0.0148		0.00206	0.00600	1	04/25/2025 15:14	WG2498996
Dibenz(a,h)anthracene	U		0.00201	0.00600	1	04/25/2025 15:14	WG2498996
Fluoranthene	0.0425		0.00239	0.00600	1	04/25/2025 15:14	WG2498996
Fluorene	0.0123		0.00180	0.00600	1	04/25/2025 15:14	WG2498996
Indeno(1,2,3-cd)pyrene	0.00528	U	0.00234	0.00600	1	04/25/2025 15:14	WG2498996
1-Methylnaphthalene	U		0.00219	0.0200	1	04/25/2025 15:14	WG2498996
2-Methylnaphthalene	U		0.00571	0.0200	1	04/25/2025 15:14	WG2498996
Naphthalene	0.00738	U	0.00579	0.0200	1	04/25/2025 15:14	WG2498996
Pyrene	0.0312		0.00205	0.00600	1	04/25/2025 15:14	WG2498996
(S) p-Terphenyl-d14	106			23.0-120		04/25/2025 15:14	WG2498996
(S) Nitrobenzene-d5	83.8			14.0-149		04/25/2025 15:14	WG2498996
(S) 2-Fluorobiphenyl	95.0			34.0-125		04/25/2025 15:14	WG2498996



Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.72		1	04/25/2025 20:21	WG2497866

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	04/28/2025 10:23	WG2496156

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.03	T8	1	04/25/2025 17:15	WG2500238

Sample Narrative:
L1850129-23 WG2500238: 8.03 at 21.7C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	936	umhos/cm		10.0	1	04/25/2025 19:14	WG2500244

Sample Narrative:
L1850129-23 WG2500244: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.486		0.0167	0.200	1	04/26/2025 14:57	WG2497954

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.13		0.100	1.00	5	04/25/2025 14:15	WG2496621
Barium	134		0.152	2.50	5	04/25/2025 14:15	WG2496621
Cadmium	0.259	J	0.0855	1.00	5	04/25/2025 14:15	WG2496621
Copper	15.3		0.132	5.00	5	04/25/2025 14:15	WG2496621
Lead	13.3		0.0990	2.00	5	04/25/2025 14:15	WG2496621
Nickel	11.9		0.197	2.50	5	04/25/2025 14:15	WG2496621
Selenium	1.03	J	0.180	2.50	5	04/25/2025 14:15	WG2496621
Silver	U		0.0865	0.500	5	04/25/2025 14:15	WG2496621
Zinc	63.4		0.740	25.0	5	04/25/2025 14:15	WG2496621

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0455	J	0.0217	0.100	1	04/23/2025 18:22	WG2498119
(S) a,a,a-Trifluorotoluene(FID)	98.0			77.0-120		04/23/2025 18:22	WG2498119

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	04/25/2025 17:08	WG2499752
Toluene	U		0.00130	0.00500	1	04/25/2025 17:08	WG2499752
Ethylbenzene	U		0.000737	0.00250	1	04/25/2025 17:08	WG2499752
Xylenes, Total	U		0.000880	0.00650	1	04/25/2025 17:08	WG2499752
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	04/25/2025 17:08	WG2499752
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	04/25/2025 17:08	WG2499752
(S) Toluene-d8	120			75.0-131		04/25/2025 17:08	WG2499752
(S) 4-Bromofluorobenzene	92.9			67.0-138		04/25/2025 17:08	WG2499752
(S) 1,2-Dichloroethane-d4	88.8			70.0-130		04/25/2025 17:08	WG2499752

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	5.08		1.61	4.00	1	04/25/2025 21:24	WG2498973
C28-C36 Motor Oil Range	35.2		0.274	4.00	1	04/25/2025 21:24	WG2498973
(S) o-Terphenyl	57.4			18.0-148		04/25/2025 21:24	WG2498973

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.0247		0.00162	0.00600	1	04/25/2025 15:33	WG2498996
Anthracene	0.0507		0.00163	0.00600	1	04/25/2025 15:33	WG2498996
Benzo(a)anthracene	0.0428		0.00200	0.00600	1	04/25/2025 15:33	WG2498996
Benzo(b)fluoranthene	0.0381		0.00275	0.00600	1	04/25/2025 15:33	WG2498996
Benzo(k)fluoranthene	0.0152		0.00213	0.00600	1	04/25/2025 15:33	WG2498996
Benzo(a)pyrene	0.0277		0.00163	0.00600	1	04/25/2025 15:33	WG2498996
Chrysene	0.0464		0.00206	0.00600	1	04/25/2025 15:33	WG2498996
Dibenz(a,h)anthracene	0.00555	U	0.00201	0.00600	1	04/25/2025 15:33	WG2498996
Fluoranthene	0.123		0.00239	0.00600	1	04/25/2025 15:33	WG2498996
Fluorene	0.0325		0.00180	0.00600	1	04/25/2025 15:33	WG2498996
Indeno(1,2,3-cd)pyrene	U		0.00234	0.00600	1	04/25/2025 15:33	WG2498996
1-Methylnaphthalene	0.00404	U	0.00219	0.0200	1	04/25/2025 15:33	WG2498996
2-Methylnaphthalene	0.00774	U	0.00571	0.0200	1	04/25/2025 15:33	WG2498996
Naphthalene	0.0188	U	0.00579	0.0200	1	04/25/2025 15:33	WG2498996
Pyrene	0.0899		0.00205	0.00600	1	04/25/2025 15:33	WG2498996
(S) p-Terphenyl-d14	125	U1		23.0-120		04/25/2025 15:33	WG2498996
(S) Nitrobenzene-d5	106			14.0-149		04/25/2025 15:33	WG2498996
(S) 2-Fluorobiphenyl	113			34.0-125		04/25/2025 15:33	WG2498996

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	2.41		1	04/27/2025 15:41	WG2497867

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	04/28/2025 10:33	WG2496156

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.85	T8	1	04/27/2025 11:36	WG2501074

Sample Narrative:
L1850129-24 WG2501074: 7.85 at 21C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1140	umhos/cm		10.0	1	04/27/2025 16:49	WG2501081

Sample Narrative:
L1850129-24 WG2501081: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.17		0.0167	0.200	1	05/06/2025 16:14	WG2507312

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.37		0.100	1.00	5	04/25/2025 14:18	WG2496621
Barium	110		0.152	2.50	5	04/25/2025 14:18	WG2496621
Cadmium	0.169	J	0.0855	1.00	5	04/25/2025 14:18	WG2496621
Copper	12.1		0.132	5.00	5	04/25/2025 14:18	WG2496621
Lead	10.7		0.0990	2.00	5	04/25/2025 14:18	WG2496621
Nickel	11.0		0.197	2.50	5	04/25/2025 14:18	WG2496621
Selenium	0.802	J	0.180	2.50	5	04/25/2025 14:18	WG2496621
Silver	U		0.0865	0.500	5	04/25/2025 14:18	WG2496621
Zinc	53.6		0.740	25.0	5	04/25/2025 14:18	WG2496621

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0399	J	0.0217	0.100	1	04/23/2025 18:44	WG2498119
(S) a,a,a-Trifluorotoluene(FID)	98.3			77.0-120		04/23/2025 18:44	WG2498119

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	04/25/2025 17:27	WG2499752
Toluene	U		0.00130	0.00500	1	04/25/2025 17:27	WG2499752
Ethylbenzene	U		0.000737	0.00250	1	04/25/2025 17:27	WG2499752
Xylenes, Total	U		0.000880	0.00650	1	04/25/2025 17:27	WG2499752
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	04/25/2025 17:27	WG2499752
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	04/25/2025 17:27	WG2499752
(S) Toluene-d8	109			75.0-131		04/25/2025 17:27	WG2499752
(S) 4-Bromofluorobenzene	94.6			67.0-138		04/25/2025 17:27	WG2499752
(S) 1,2-Dichloroethane-d4	101			70.0-130		04/25/2025 17:27	WG2499752

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	3.61	U	1.61	4.00	1	04/25/2025 20:56	WG2498973
C28-C36 Motor Oil Range	28.0		0.274	4.00	1	04/25/2025 20:56	WG2498973
(S) o-Terphenyl	47.9			18.0-148		04/25/2025 20:56	WG2498973

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.0258		0.00162	0.00600	1	04/25/2025 15:53	WG2498996
Anthracene	0.0485		0.00163	0.00600	1	04/25/2025 15:53	WG2498996
Benzo(a)anthracene	0.0522		0.00200	0.00600	1	04/25/2025 15:53	WG2498996
Benzo(b)fluoranthene	0.0456		0.00275	0.00600	1	04/25/2025 15:53	WG2498996
Benzo(k)fluoranthene	0.0171		0.00213	0.00600	1	04/25/2025 15:53	WG2498996
Benzo(a)pyrene	0.0339		0.00163	0.00600	1	04/25/2025 15:53	WG2498996
Chrysene	0.0546		0.00206	0.00600	1	04/25/2025 15:53	WG2498996
Dibenz(a,h)anthracene	0.00600	U	0.00201	0.00600	1	04/25/2025 15:53	WG2498996
Fluoranthene	0.155		0.00239	0.00600	1	04/25/2025 15:53	WG2498996
Fluorene	0.0359		0.00180	0.00600	1	04/25/2025 15:53	WG2498996
Indeno(1,2,3-cd)pyrene	0.0214		0.00234	0.00600	1	04/25/2025 15:53	WG2498996
1-Methylnaphthalene	0.00357	U	0.00219	0.0200	1	04/25/2025 15:53	WG2498996
2-Methylnaphthalene	0.00657	U	0.00571	0.0200	1	04/25/2025 15:53	WG2498996
Naphthalene	0.0168	U	0.00579	0.0200	1	04/25/2025 15:53	WG2498996
Pyrene	0.112		0.00205	0.00600	1	04/25/2025 15:53	WG2498996
(S) p-Terphenyl-d14	138	U1		23.0-120		04/25/2025 15:53	WG2498996
(S) Nitrobenzene-d5	112			14.0-149		04/25/2025 15:53	WG2498996
(S) 2-Fluorobiphenyl	121			34.0-125		04/25/2025 15:53	WG2498996

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	2.34		1	04/27/2025 15:43	WG2497867

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	04/28/2025 15:06	WG2496156

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.94	T8	1	04/27/2025 11:36	WG2501074

Sample Narrative:
L1850129-25 WG2501074: 7.94 at 20.9C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	748	umhos/cm		10.0	1	04/27/2025 16:49	WG2501081

Sample Narrative:
L1850129-25 WG2501081: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.709		0.0167	0.200	1	05/05/2025 15:59	WG2506943

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.56		0.100	1.00	5	04/25/2025 14:22	WG2496621
Barium	134		0.152	2.50	5	04/25/2025 14:22	WG2496621
Cadmium	0.175	J	0.0855	1.00	5	04/25/2025 14:22	WG2496621
Copper	12.4		0.132	5.00	5	04/25/2025 14:22	WG2496621
Lead	10.4		0.0990	2.00	5	04/25/2025 14:22	WG2496621
Nickel	10.6		0.197	2.50	5	04/25/2025 14:22	WG2496621
Selenium	0.966	J	0.180	2.50	5	04/25/2025 14:22	WG2496621
Silver	U		0.0865	0.500	5	04/25/2025 14:22	WG2496621
Zinc	52.3		0.740	25.0	5	04/25/2025 14:22	WG2496621

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0503	J	0.0217	0.100	1	04/23/2025 19:07	WG2498119
(S) a,a,a-Trifluorotoluene(FID)	97.9			77.0-120		04/23/2025 19:07	WG2498119

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	04/25/2025 17:46	WG2499752
Toluene	U		0.00130	0.00500	1	04/25/2025 17:46	WG2499752
Ethylbenzene	U		0.000737	0.00250	1	04/25/2025 17:46	WG2499752
Xylenes, Total	U		0.000880	0.00650	1	04/25/2025 17:46	WG2499752
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	04/25/2025 17:46	WG2499752
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	04/25/2025 17:46	WG2499752
(S) Toluene-d8	105			75.0-131		04/25/2025 17:46	WG2499752
(S) 4-Bromofluorobenzene	97.1			67.0-138		04/25/2025 17:46	WG2499752
(S) 1,2-Dichloroethane-d4	95.5			70.0-130		04/25/2025 17:46	WG2499752

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	4.29		1.61	4.00	1	04/25/2025 21:10	WG2498973
C28-C36 Motor Oil Range	28.9		0.274	4.00	1	04/25/2025 21:10	WG2498973
(S) o-Terphenyl	50.5			18.0-148		04/25/2025 21:10	WG2498973

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.0133		0.00162	0.00600	1	04/25/2025 16:12	WG2498996
Anthracene	0.0235		0.00163	0.00600	1	04/25/2025 16:12	WG2498996
Benzo(a)anthracene	0.0262		0.00200	0.00600	1	04/25/2025 16:12	WG2498996
Benzo(b)fluoranthene	0.0223		0.00275	0.00600	1	04/25/2025 16:12	WG2498996
Benzo(k)fluoranthene	0.00895		0.00213	0.00600	1	04/25/2025 16:12	WG2498996
Benzo(a)pyrene	0.0170		0.00163	0.00600	1	04/25/2025 16:12	WG2498996
Chrysene	0.0264		0.00206	0.00600	1	04/25/2025 16:12	WG2498996
Dibenz(a,h)anthracene	0.00306	J	0.00201	0.00600	1	04/25/2025 16:12	WG2498996
Fluoranthene	0.0752		0.00239	0.00600	1	04/25/2025 16:12	WG2498996
Fluorene	0.0182		0.00180	0.00600	1	04/25/2025 16:12	WG2498996
Indeno(1,2,3-cd)pyrene	0.0106		0.00234	0.00600	1	04/25/2025 16:12	WG2498996
1-Methylnaphthalene	U		0.00219	0.0200	1	04/25/2025 16:12	WG2498996
2-Methylnaphthalene	U		0.00571	0.0200	1	04/25/2025 16:12	WG2498996
Naphthalene	0.00909	J	0.00579	0.0200	1	04/25/2025 16:12	WG2498996
Pyrene	0.0542		0.00205	0.00600	1	04/25/2025 16:12	WG2498996
(S) p-Terphenyl-d14	124	J1		23.0-120		04/25/2025 16:12	WG2498996
(S) Nitrobenzene-d5	113			14.0-149		04/25/2025 16:12	WG2498996
(S) 2-Fluorobiphenyl	112			34.0-125		04/25/2025 16:12	WG2498996

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	04/27/2025 15:45	WG2497867

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	04/28/2025 11:15	WG2496156

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.00	T8	1	04/27/2025 11:36	WG2501074

Sample Narrative:
L1850129-26 WG2501074: 8 at 20.9C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1360	umhos/cm		10.0	1	04/27/2025 16:49	WG2501081

Sample Narrative:
L1850129-26 WG2501081: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.337		0.0167	0.200	1	05/05/2025 16:00	WG2506943

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.15		0.100	1.00	5	04/25/2025 14:25	WG2496621
Barium	125		0.152	2.50	5	04/25/2025 14:25	WG2496621
Cadmium	0.184	J	0.0855	1.00	5	04/25/2025 14:25	WG2496621
Copper	8.97		0.132	5.00	5	04/25/2025 14:25	WG2496621
Lead	8.22		0.0990	2.00	5	04/25/2025 14:25	WG2496621
Nickel	8.78		0.197	2.50	5	04/25/2025 14:25	WG2496621
Selenium	0.817	J	0.180	2.50	5	04/25/2025 14:25	WG2496621
Silver	U		0.0865	0.500	5	04/25/2025 14:25	WG2496621
Zinc	36.8		0.740	25.0	5	04/25/2025 14:25	WG2496621

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0345	J	0.0217	0.100	1	04/23/2025 19:29	WG2498119
(S) a,a,a-Trifluorotoluene(FID)	98.4			77.0-120		04/23/2025 19:29	WG2498119

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	04/26/2025 02:02	WG2499892
Toluene	U		0.00130	0.00500	1	04/26/2025 02:02	WG2499892
Ethylbenzene	U		0.000737	0.00250	1	04/26/2025 02:02	WG2499892
Xylenes, Total	U		0.000880	0.00650	1	04/26/2025 02:02	WG2499892
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	04/26/2025 02:02	WG2499892
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	04/26/2025 02:02	WG2499892
(S) Toluene-d8	97.0			75.0-131		04/26/2025 02:02	WG2499892
(S) 4-Bromofluorobenzene	95.9			67.0-138		04/26/2025 02:02	WG2499892
(S) 1,2-Dichloroethane-d4	80.7			70.0-130		04/26/2025 02:02	WG2499892

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.61	4.00	1	04/25/2025 19:02	WG2498973
C28-C36 Motor Oil Range	1.96	J	0.274	4.00	1	04/25/2025 19:02	WG2498973
(S) o-Terphenyl	65.5			18.0-148		04/25/2025 19:02	WG2498973

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.00621		0.00162	0.00600	1	04/25/2025 16:32	WG2498996
Anthracene	0.0111		0.00163	0.00600	1	04/25/2025 16:32	WG2498996
Benzo(a)anthracene	0.0101		0.00200	0.00600	1	04/25/2025 16:32	WG2498996
Benzo(b)fluoranthene	0.00847		0.00275	0.00600	1	04/25/2025 16:32	WG2498996
Benzo(k)fluoranthene	0.00362	J	0.00213	0.00600	1	04/25/2025 16:32	WG2498996
Benzo(a)pyrene	0.00619		0.00163	0.00600	1	04/25/2025 16:32	WG2498996
Chrysene	0.0110		0.00206	0.00600	1	04/25/2025 16:32	WG2498996
Dibenz(a,h)anthracene	U		0.00201	0.00600	1	04/25/2025 16:32	WG2498996
Fluoranthene	0.0299		0.00239	0.00600	1	04/25/2025 16:32	WG2498996
Fluorene	0.00849		0.00180	0.00600	1	04/25/2025 16:32	WG2498996
Indeno(1,2,3-cd)pyrene	0.00366	J	0.00234	0.00600	1	04/25/2025 16:32	WG2498996
1-Methylnaphthalene	U		0.00219	0.0200	1	04/25/2025 16:32	WG2498996
2-Methylnaphthalene	U		0.00571	0.0200	1	04/25/2025 16:32	WG2498996
Naphthalene	U		0.00579	0.0200	1	04/25/2025 16:32	WG2498996
Pyrene	0.0215		0.00205	0.00600	1	04/25/2025 16:32	WG2498996
(S) p-Terphenyl-d14	106			23.0-120		04/25/2025 16:32	WG2498996
(S) Nitrobenzene-d5	85.3			14.0-149		04/25/2025 16:32	WG2498996
(S) 2-Fluorobiphenyl	92.6			34.0-125		04/25/2025 16:32	WG2498996

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

	Result	Qualifier	Dilution	Analysis date / time	Batch
Analyte					
Sodium Adsorption Ratio	2.78		1	04/25/2025 20:24	WG2497866

Wet Chemistry by Method 7199

	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Analyte							
Hexavalent Chromium	U		0.379	1.00	1	04/28/2025 11:26	WG2496156

Wet Chemistry by Method 9045D

	Result su	Qualifier	Dilution	Analysis date / time	Batch
Analyte					
pH	7.92	T8	1	04/25/2025 17:15	WG2500238

Sample Narrative:
L1850129-27 WG2500238: 7.92 at 21.8C

Wet Chemistry by Method 9050AMod

	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Analyte							
Specific Conductance	1500	umhos/cm		10.0	1	04/25/2025 19:14	WG2500244

Sample Narrative:
L1850129-27 WG2500244: at 25C

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

	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Analyte							
Hot Water Sol. Boron	0.259		0.0167	0.200	1	04/26/2025 14:59	WG2497954

Metals (ICPMS) by Method 6020

	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Analyte							
Arsenic	2.78		0.100	1.00	5	04/25/2025 14:28	WG2496621
Barium	98.7		0.152	2.50	5	04/25/2025 14:28	WG2496621
Cadmium	0.119	J	0.0855	1.00	5	04/25/2025 14:28	WG2496621
Copper	9.54		0.132	5.00	5	04/25/2025 14:28	WG2496621
Lead	7.87		0.0990	2.00	5	04/25/2025 14:28	WG2496621
Nickel	7.59		0.197	2.50	5	04/25/2025 14:28	WG2496621
Selenium	0.947	J	0.180	2.50	5	04/25/2025 14:28	WG2496621
Silver	U		0.0865	0.500	5	04/25/2025 14:28	WG2496621
Zinc	36.6		0.740	25.0	5	04/25/2025 14:28	WG2496621

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

	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Analyte							
TPH (GC/FID) Low Fraction	0.0829	J	0.0217	0.100	1	04/23/2025 20:55	WG2498119
(S) a,a,a-Trifluorotoluene(FID)	97.5			77.0-120		04/23/2025 20:55	WG2498119

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	04/26/2025 02:21	WG2499892
Toluene	U		0.00130	0.00500	1	04/26/2025 02:21	WG2499892
Ethylbenzene	U		0.000737	0.00250	1	04/26/2025 02:21	WG2499892
Xylenes, Total	U		0.000880	0.00650	1	04/26/2025 02:21	WG2499892
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	04/26/2025 02:21	WG2499892
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	04/26/2025 02:21	WG2499892
(S) Toluene-d8	98.5			75.0-131		04/26/2025 02:21	WG2499892
(S) 4-Bromofluorobenzene	98.4			67.0-138		04/26/2025 02:21	WG2499892
(S) 1,2-Dichloroethane-d4	80.1			70.0-130		04/26/2025 02:21	WG2499892

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	13.9		1.61	4.00	1	04/25/2025 22:06	WG2498973
C28-C36 Motor Oil Range	19.1		0.274	4.00	1	04/25/2025 22:06	WG2498973
(S) o-Terphenyl	67.4			18.0-148		04/25/2025 22:06	WG2498973

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.00587	U	0.00162	0.00600	1	04/25/2025 14:51	WG2499001
Anthracene	0.00855		0.00163	0.00600	1	04/25/2025 14:51	WG2499001
Benzo(a)anthracene	0.00865		0.00200	0.00600	1	04/25/2025 14:51	WG2499001
Benzo(b)fluoranthene	0.00873		0.00275	0.00600	1	04/25/2025 14:51	WG2499001
Benzo(k)fluoranthene	0.00273	U	0.00213	0.00600	1	04/25/2025 14:51	WG2499001
Benzo(a)pyrene	0.00595	U	0.00163	0.00600	1	04/25/2025 14:51	WG2499001
Chrysene	0.00885		0.00206	0.00600	1	04/25/2025 14:51	WG2499001
Dibenz(a,h)anthracene	U		0.00201	0.00600	1	04/25/2025 14:51	WG2499001
Fluoranthene	0.0256		0.00239	0.00600	1	04/25/2025 14:51	WG2499001
Fluorene	0.00806		0.00180	0.00600	1	04/25/2025 14:51	WG2499001
Indeno(1,2,3-cd)pyrene	0.00372	U	0.00234	0.00600	1	04/25/2025 14:51	WG2499001
1-Methylnaphthalene	U		0.00219	0.0200	1	04/25/2025 14:51	WG2499001
2-Methylnaphthalene	U		0.00571	0.0200	1	04/25/2025 14:51	WG2499001
Naphthalene	0.00771	U	0.00579	0.0200	1	04/25/2025 14:51	WG2499001
Pyrene	0.0184		0.00205	0.00600	1	04/25/2025 14:51	WG2499001
(S) p-Terphenyl-d14	138	U1		23.0-120		04/25/2025 14:51	WG2499001
(S) Nitrobenzene-d5	115			14.0-149		04/25/2025 14:51	WG2499001
(S) 2-Fluorobiphenyl	118			34.0-125		04/25/2025 14:51	WG2499001

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4205975-1 04/27/25 14:28

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Hexavalent Chromium	U		0.379	1.00

L1849006-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1849006-12 04/27/25 15:31 • (DUP) R4205975-3 04/27/25 15:41

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

L1850129-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1850129-05 04/27/25 17:16 • (DUP) R4205975-4 04/27/25 17:26

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

Laboratory Control Sample (LCS)

(LCS) R4205975-2 04/27/25 14:38

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Hexavalent Chromium	10.0	10.5	105	80.0-120	

L1851595-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1851595-03 04/27/25 19:11 • (MS) R4205975-5 04/27/25 19:22 • (MSD) R4205975-6 04/27/25 19:32

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Hexavalent Chromium	20.0	U	20.5	21.1	102	106	1	75.0-125			3.33	20

L1851595-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1851595-03 04/27/25 19:11 • (MS) R4205975-7 04/27/25 19:43

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/kg	mg/kg	mg/kg	%		%	
Hexavalent Chromium	643	U	539	83.8	50	75.0-125	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4206294-1 04/28/25 07:01

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Hexavalent Chromium	U		0.379	1.00

L1850129-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1850129-14 04/28/25 07:21 • (DUP) R4206294-3 04/28/25 07:32

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

L1850129-22 Original Sample (OS) • Duplicate (DUP)

(OS) L1850129-22 04/28/25 10:02 • (DUP) R4206294-8 04/28/25 10:12

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

Laboratory Control Sample (LCS)

(LCS) R4206294-2 04/28/25 07:11

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Hexavalent Chromium	10.0	10.7	107	80.0-120	

L1850129-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1850129-16 04/28/25 07:53 • (MS) R4206294-5 04/28/25 08:14 • (MSD) R4206294-6 04/28/25 08:24

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Hexavalent Chromium	20.0	U	15.7	14.8	78.7	74.0	1	75.0-125		J6	6.26	20

L1850129-16 Original Sample (OS) • Matrix Spike (MS)

(OS) L1850129-16 04/28/25 07:53 • (MS) R4206294-7 04/28/25 08:35

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/kg	mg/kg	mg/kg	%		%	
Hexavalent Chromium	643	U	586	91.2	50	75.0-125	



Method Blank (MB)

(MB) R4206608-1 04/28/25 15:47

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Hexavalent Chromium	U		0.379	1.00

L1850521-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1850521-01 04/28/25 17:21 • (DUP) R4206608-7 04/28/25 17:52

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

L1850556-47 Original Sample (OS) • Duplicate (DUP)

(OS) L1850556-47 04/28/25 18:55 • (DUP) R4206608-8 04/28/25 19:06

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

Laboratory Control Sample (LCS)

(LCS) R4206608-2 04/28/25 15:57

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Hexavalent Chromium	10.0	9.04	90.4	80.0-120	

L1850129-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1850129-12 04/28/25 16:18 • (MS) R4206608-3 04/28/25 16:28 • (MSD) R4206608-4 04/28/25 16:39

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Hexavalent Chromium	20.0	U	17.3	18.0	86.3	89.8	1	75.0-125			3.96	20

L1850129-12 Original Sample (OS) • Matrix Spike (MS)

(OS) L1850129-12 04/28/25 16:18 • (MS) R4206608-5 04/28/25 16:49

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/kg	mg/kg	mg/kg	%		%	
Hexavalent Chromium	638	U	570	89.3	50	75.0-125	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1849505-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1849505-01 04/24/25 14:54 • (DUP) R4204615-2 04/24/25 14:54

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	8.09	8.10	1	0.124		1

Sample Narrative:

OS: 8.09 at 21.9C
DUP: 8.1 at 22C

L1850129-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1850129-11 04/24/25 14:54 • (DUP) R4204615-3 04/24/25 14:54

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	8.00	7.98	1	0.250		1

Sample Narrative:

OS: 8 at 21.8C
DUP: 7.98 at 22C

Laboratory Control Sample (LCS)

(LCS) R4204615-1 04/24/25 14:54

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	su	su	%	%	
pH	10.0	9.96	99.6	99.0-101	

Sample Narrative:

LCS: 9.96 at 21C

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

L1849607-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1849607-07 04/25/25 17:15 • (DUP) R4205367-2 04/25/25 17:15

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	su	su		%		%
pH	10.2	10.3	1	0.195		1

Sample Narrative:

OS: 10.23 at 22.7C

DUP: 10.25 at 22.9C

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1850130-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1850130-01 04/25/25 17:15 • (DUP) R4205367-3 04/25/25 17:15

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	su	su		%		%
pH	7.99	7.99	1	0.000		1

Sample Narrative:

OS: 7.99 at 21.5C

DUP: 7.99 at 21.6C

Laboratory Control Sample (LCS)

(LCS) R4205367-1 04/25/25 17:15

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

Sample Narrative:

LCS: 9.98 at 21.1C

L1849610-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1849610-02 04/26/25 10:27 • (DUP) R4205543-2 04/26/25 10:27

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	su	su		%		%
pH	8.17	8.15	1	0.245		1

Sample Narrative:

OS: 8.17 at 20.7C

DUP: 8.15 at 20.8C

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1851595-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1851595-03 04/26/25 10:27 • (DUP) R4205543-3 04/26/25 10:27

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	su	su		%		%
pH	8.00	8.05	1	0.623		1

Sample Narrative:

OS: 8 at 21.1C

DUP: 8.05 at 20.1C

Laboratory Control Sample (LCS)

(LCS) R4205543-1 04/26/25 10:27

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

Sample Narrative:

LCS: 9.98 at 19.9C

L1849624-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1849624-06 04/27/25 15:40 • (DUP) R4205872-2 04/27/25 15:40

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	su	su		%		%
pH	8.45	8.46	1	0.118		1

Sample Narrative:

OS: 8.45 at 20.7C

DUP: 8.46 at 20.9C

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1850129-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1850129-08 04/27/25 15:40 • (DUP) R4205872-3 04/27/25 15:40

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	su	su		%		%
pH	8.01	8.01	1	0.000		1

Sample Narrative:

OS: 8.01 at 20.4C

DUP: 8.01 at 20.6C

Laboratory Control Sample (LCS)

(LCS) R4205872-1 04/27/25 15:40

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

Sample Narrative:

LCS: 10 at 20.6C

L1849624-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1849624-21 04/27/25 11:36 • (DUP) R4205816-2 04/27/25 11:36

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	8.27	8.24	1	0.363		1

Sample Narrative:

OS: 8.27 at 21.2C

DUP: 8.24 at 21.3C

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1850129-26 Original Sample (OS) • Duplicate (DUP)

(OS) L1850129-26 04/27/25 11:36 • (DUP) R4205816-3 04/27/25 11:36

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	8.00	8.00	1	0.000		1

Sample Narrative:

OS: 8 at 20.9C

DUP: 8 at 20.9C

Laboratory Control Sample (LCS)

(LCS) R4205816-1 04/27/25 11:36

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

Sample Narrative:

LCS: 9.99 at 20.2C

Method Blank (MB)

(MB) R4204543-1 04/24/25 14:17

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

Sample Narrative:
BLANK: at 25C

L1849610-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1849610-05 04/24/25 14:17 • (DUP) R4204543-3 04/24/25 14:17

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	50.8	49.8	1	1.99		20

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

L1850129-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1850129-04 04/24/25 14:17 • (DUP) R4204543-4 04/24/25 14:17

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	817	822	1	0.610		20

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

Laboratory Control Sample (LCS)

(LCS) R4204543-2 04/24/25 14:17

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	1130	1110	98.1	85.0-115	

Sample Narrative:
LCS: at 25C

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4205394-1 04/25/25 19:14

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

Sample Narrative:

BLANK: at 25C

L1844846-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1844846-04 04/25/25 19:14 • (DUP) R4205394-3 04/25/25 19:14

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	10600	10400	1	1.33		20

Sample Narrative:

OS: at 25C

DUP: at 25C

L1850130-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1850130-01 04/25/25 19:14 • (DUP) R4205394-4 04/25/25 19:14

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	1550	1540	1	0.323		20

Sample Narrative:

OS: at 25C

DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4205394-2 04/25/25 19:14

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	1130	1100	97.0	85.0-115	

Sample Narrative:

LCS: at 25C

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Method Blank (MB)

(MB) R4205616-1 04/26/25 15:00

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

Sample Narrative:

BLANK: at 25C

L1849610-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1849610-04 04/26/25 15:00 • (DUP) R4205616-3 04/26/25 15:00

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	108	106	1	1.50		20

Sample Narrative:

OS: at 25C

DUP: at 25C

L1851595-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1851595-02 04/26/25 15:00 • (DUP) R4205616-4 04/26/25 15:00

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	671	672	1	0.149		20

Sample Narrative:

OS: at 25C

DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4205616-2 04/26/25 15:00

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	1130	1080	95.9	85.0-115	

Sample Narrative:

LCS: at 25C

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Method Blank (MB)

(MB) R4205949-1 04/27/25 18:27

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

Sample Narrative:
BLANK: at 25C

L1849624-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1849624-06 04/27/25 18:27 • (DUP) R4205949-3 04/27/25 18:27

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	443	442	1	0.226		20

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

L1850129-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1850129-08 04/27/25 18:27 • (DUP) R4205949-4 04/27/25 18:27

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	767	765	1	0.261		20

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

Laboratory Control Sample (LCS)

(LCS) R4205949-2 04/27/25 18:27

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	1130	1140	101	85.0-115	

Sample Narrative:
LCS: at 25C

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4205897-1 04/27/25 16:49

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

Sample Narrative:

BLANK: at 25C

L1850000-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1850000-02 04/27/25 16:49 • (DUP) R4205897-3 04/27/25 16:49

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	335	334	1	0.299		20

Sample Narrative:

OS: at 25C

DUP: at 25C

L1850129-25 Original Sample (OS) • Duplicate (DUP)

(OS) L1850129-25 04/27/25 16:49 • (DUP) R4205897-4 04/27/25 16:49

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	748	747	1	0.134		20

Sample Narrative:

OS: at 25C

DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4205897-2 04/27/25 16:49

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	1130	1150	102	85.0-115	

Sample Narrative:

LCS: at 25C

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4205483-1 04/26/25 05:15

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

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

(LCS) R4205483-2 04/26/25 05:16 • (LCSD) R4205483-3 04/26/25 05:18

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	1.04	1.05	104	105	80.0-120			1.19	20

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Method Blank (MB)

(MB) R4205637-4 04/26/25 14:45

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

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

(LCS) R4205637-5 04/26/25 14:47 • (LCSD) R4205637-6 04/26/25 14:49

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	1.04	1.05	104	105	80.0-120			0.442	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4205272-1 04/25/25 15:32

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

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

(LCS) R4205272-2 04/25/25 15:35 • (LCSD) R4205272-3 04/25/25 15:37

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Hot Water Sol. Boron	1.00	1.05	1.05	105	105	80.0-120			0.644	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4205524-1 04/25/25 21:51

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

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

(LCS) R4205524-2 04/25/25 21:54 • (LCSD) R4205524-3 04/25/25 21:56

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	1.07	1.08	107	108	80.0-120			1.58	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4210003-1 05/05/25 15:36

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

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

(LCS) R4210003-2 05/05/25 15:38 • (LCSD) R4210003-3 05/05/25 15:40

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	0.996	101	99.6	80.0-120			1.37	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4210863-1 05/06/25 16:04

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

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

(LCS) R4210863-2 05/06/25 16:06 • (LCSD) R4210863-3 05/06/25 16:09

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Hot Water Sol. Boron	1.00	1.16	1.16	116	116	80.0-120			0.655	20

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Method Blank (MB)

(MB) R4204091-1 04/23/25 14:38

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.100	1.00
Barium	U		0.152	2.50
Cadmium	U		0.0855	1.00
Copper	0.394	U	0.133	5.00
Lead	U		0.0990	2.00
Nickel	U		0.197	2.50
Selenium	U		0.180	2.50
Silver	U		0.0865	0.500
Zinc	U		0.740	25.0

Laboratory Control Sample (LCS)

(LCS) R4204091-2 04/23/25 14:41

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	95.5	95.5	80.0-120	
Barium	100	92.5	92.5	80.0-120	
Cadmium	100	94.8	94.8	80.0-120	
Copper	100	94.8	94.8	80.0-120	
Lead	100	93.2	93.2	80.0-120	
Nickel	100	98.1	98.1	80.0-120	
Selenium	100	92.9	92.9	80.0-120	
Silver	20.0	19.2	95.9	80.0-120	
Zinc	100	95.8	95.8	80.0-120	

L1850129-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1850129-03 04/23/25 14:44 • (MS) R4204091-5 04/23/25 14:54 • (MSD) R4204091-6 04/23/25 14:57

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	100	3.42	91.4	97.5	88.0	94.1	5	75.0-125			6.41	20
Barium	100	83.5	190	183	107	99.6	5	75.0-125			3.78	20
Cadmium	100	0.129	87.7	94.1	87.5	94.0	5	75.0-125			7.13	20
Copper	100	9.78	98.9	105	89.1	95.6	5	75.0-125			6.33	20
Lead	100	7.58	94.9	100	87.3	92.4	5	75.0-125			5.24	20
Nickel	100	8.54	99.6	105	91.1	96.2	5	75.0-125			4.96	20
Selenium	100	0.408	87.9	94.0	87.5	93.6	5	75.0-125			6.64	20
Silver	20.0	U	17.9	19.2	89.6	96.1	5	75.0-125			7.07	20
Zinc	100	40.3	128	131	88.0	90.5	5	75.0-125			1.93	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4205046-1 04/25/25 12:48

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

Laboratory Control Sample (LCS)

(LCS) R4205046-2 04/25/25 12:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	106	106	80.0-120	
Barium	100	99.8	99.8	80.0-120	
Cadmium	100	107	107	80.0-120	
Copper	100	108	108	80.0-120	
Lead	100	103	103	80.0-120	
Nickel	100	108	108	80.0-120	
Selenium	100	102	102	80.0-120	
Silver	20.0	20.9	105	80.0-120	
Zinc	100	103	103	80.0-120	

L1850129-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1850129-20 04/25/25 12:55 • (MS) R4205046-5 04/25/25 13:05 • (MSD) R4205046-6 04/25/25 13:08

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	100	3.63	98.3	100	94.7	96.8	5	75.0-125			2.11	20
Barium	100	118	204	204	85.7	86.1	5	75.0-125			0.182	20
Cadmium	100	0.140	96.1	98.7	95.9	98.6	5	75.0-125			2.71	20
Copper	100	10.9	107	106	96.4	95.6	5	75.0-125			0.826	20
Lead	100	9.58	103	105	93.4	95.3	5	75.0-125			1.75	20
Nickel	100	12.0	104	110	92.2	97.6	5	75.0-125			5.01	20
Selenium	100	0.998	94.7	95.8	93.7	94.8	5	75.0-125			1.20	20
Silver	20.0	U	18.4	19.5	92.1	97.6	5	75.0-125			5.78	20
Zinc	100	45.8	127	134	80.9	88.1	5	75.0-125			5.51	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4205059-3 04/23/25 12:18

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	97.8			77.0-120

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

(LCS) R4205059-1 04/23/25 11:10 • (LCSD) R4205059-2 04/23/25 11:29

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	4.81	4.89	96.2	97.8	72.0-127			1.65	20
(S) a,a,a-Trifluorotoluene(FID)				99.7	99.4	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) R4206268-1 04/23/25 13:18

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	102			77.0-120

Laboratory Control Sample (LCS)

(LCS) R4206268-2 04/23/25 14:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	5.34	107	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			110	77.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4205970-2 04/25/25 13:53

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	96.2			77.0-120

Laboratory Control Sample (LCS)

(LCS) R4205970-1 04/25/25 12:13

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	5.29	106	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			105	77.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4205916-3 04/25/25 00:48

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000467	0.00100
Toluene	U		0.00130	0.00500
Ethylbenzene	U		0.000737	0.00250
Xylenes, Total	U		0.000880	0.00650
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
(S) Toluene-d8	99.9			75.0-131
(S) 4-Bromofluorobenzene	103			67.0-138
(S) 1,2-Dichloroethane-d4	104			70.0-130

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

(LCS) R4205916-1 04/24/25 23:11 • (LCSD) R4205916-2 04/24/25 23:31

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	0.122	0.125	97.6	100	70.0-123			2.43	20
Toluene	0.125	0.130	0.136	104	109	75.0-121			4.51	20
Ethylbenzene	0.125	0.132	0.139	106	111	74.0-126			5.17	20
Xylenes, Total	0.375	0.406	0.416	108	111	72.0-127			2.43	20
1,2,4-Trimethylbenzene	0.125	0.117	0.119	93.6	95.2	70.0-126			1.69	20
1,3,5-Trimethylbenzene	0.125	0.112	0.116	89.6	92.8	73.0-127			3.51	20
(S) Toluene-d8				98.3	100	75.0-131				
(S) 4-Bromofluorobenzene				102	102	67.0-138				
(S) 1,2-Dichloroethane-d4				109	106	70.0-130				

L1850129-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1850129-01 04/25/25 01:27 • (MS) R4205916-4 04/25/25 07:55 • (MSD) R4205916-5 04/25/25 08:14

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	U	0.110	0.112	88.0	89.6	1	10.0-149			1.80	37
Toluene	0.125	U	0.116	0.117	92.8	93.6	1	10.0-156			0.858	38
Ethylbenzene	0.125	U	0.123	0.123	98.4	98.4	1	10.0-160			0.000	38
Xylenes, Total	0.375	0.00147	0.380	0.376	101	99.9	1	10.0-160			1.06	38
1,2,4-Trimethylbenzene	0.125	U	0.108	0.107	86.4	85.6	1	10.0-160			0.930	36
1,3,5-Trimethylbenzene	0.125	U	0.106	0.107	84.8	85.6	1	10.0-160			0.939	38
(S) Toluene-d8					97.4	97.1		75.0-131				
(S) 4-Bromofluorobenzene					109	105		67.0-138				
(S) 1,2-Dichloroethane-d4					114	113		70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4205051-2 04/25/25 10:11

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000467	0.00100
Toluene	U		0.00130	0.00500
Ethylbenzene	U		0.000737	0.00250
Xylenes, Total	U		0.000880	0.00650
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
(S) Toluene-d8	121			75.0-131
(S) 4-Bromofluorobenzene	94.8			67.0-138
(S) 1,2-Dichloroethane-d4	92.9			70.0-130

Laboratory Control Sample (LCS)

(LCS) R4205051-1 04/25/25 08:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.125	0.101	80.8	70.0-123	
Toluene	0.125	0.121	96.8	75.0-121	
Ethylbenzene	0.125	0.134	107	74.0-126	
Xylenes, Total	0.375	0.408	109	72.0-127	
1,2,4-Trimethylbenzene	0.125	0.120	96.0	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.116	92.8	73.0-127	
(S) Toluene-d8			112	75.0-131	
(S) 4-Bromofluorobenzene			110	67.0-138	
(S) 1,2-Dichloroethane-d4			101	70.0-130	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4206239-3 04/26/25 00:01

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000467	0.00100
Toluene	U		0.00130	0.00500
Ethylbenzene	U		0.000737	0.00250
Xylenes, Total	U		0.000880	0.00650
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
(S) Toluene-d8	98.5			75.0-131
(S) 4-Bromofluorobenzene	97.9			67.0-138
(S) 1,2-Dichloroethane-d4	80.1			70.0-130

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

(LCS) R4206239-1 04/25/25 22:22 • (LCSD) R4206239-2 04/25/25 22:42

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	0.131	0.128	105	102	70.0-123			2.32	20
Toluene	0.125	0.125	0.126	100	101	75.0-121			0.797	20
Ethylbenzene	0.125	0.115	0.117	92.0	93.6	74.0-126			1.72	20
Xylenes, Total	0.375	0.353	0.360	94.1	96.0	72.0-127			1.96	20
1,2,4-Trimethylbenzene	0.125	0.101	0.103	80.8	82.4	70.0-126			1.96	20
1,3,5-Trimethylbenzene	0.125	0.104	0.103	83.2	82.4	73.0-127			0.966	20
(S) Toluene-d8				96.3	96.8	75.0-131				
(S) 4-Bromofluorobenzene				97.1	97.8	67.0-138				
(S) 1,2-Dichloroethane-d4				84.9	86.2	70.0-130				

L1850134-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1850134-07 04/26/25 06:19 • (MS) R4206239-4 04/26/25 07:19 • (MSD) R4206239-5 04/26/25 07:38

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	0.124	U	0.0834	0.147	67.3	119	1	10.0-149		J3	55.2	37
Toluene	0.124	U	0.0835	0.139	67.3	112	1	10.0-156		J3	49.9	38
Ethylbenzene	0.124	U	0.0727	0.129	58.6	104	1	10.0-160		J3	55.8	38
Xylenes, Total	0.372	U	0.239	0.397	64.2	107	1	10.0-160		J3	49.7	38
1,2,4-Trimethylbenzene	0.124	U	0.0747	0.118	60.2	95.2	1	10.0-160		J3	44.9	36
1,3,5-Trimethylbenzene	0.124	U	0.0706	0.119	56.9	96.0	1	10.0-160		J3	51.1	38
(S) Toluene-d8					97.3	96.0		75.0-131				
(S) 4-Bromofluorobenzene					98.2	95.8		67.0-138				
(S) 1,2-Dichloroethane-d4					83.3	83.8		70.0-130				

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

Method Blank (MB)

(MB) R4205359-1 04/25/25 12:12

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	55.6			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4205359-2 04/25/25 12:26

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	32.2	64.4	50.0-150	
(S) o-Terphenyl			72.2	18.0-148	

L1850129-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1850129-01 04/25/25 19:55 • (MS) R4205359-3 04/25/25 20:09

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
C10-C28 Diesel Range	49.2	7.62	47.9	81.9	1	50.0-150	
(S) o-Terphenyl				63.1		18.0-148	

1
Cp

2
Tc

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Ss

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Cn

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Sr

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Qc

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Gl

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Al

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Sc

Method Blank (MB)

(MB) R4205424-1 04/25/25 16:55

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	59.2			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4205424-2 04/25/25 17:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	32.6	65.2	50.0-150	
(S) o-Terphenyl			62.2	18.0-148	

L1850130-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1850130-01 04/25/25 18:06 • (MS) R4205424-3 04/25/25 18:20 • (MSD) R4205424-4 04/25/25 18:34

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 %
C10-C28 Diesel Range	49.0	U	34.2	30.6	69.8	62.4	1	50.0-150			11.1	20
(S) o-Terphenyl					55.0	52.0		18.0-148				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4205259-2 04/25/25 11:57

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00162	0.00600
Anthracene	U		0.00163	0.00600
Benzo(a)anthracene	U		0.00200	0.00600
Benzo(b)fluoranthene	U		0.00275	0.00600
Benzo(k)fluoranthene	U		0.00213	0.00600
Benzo(a)pyrene	U		0.00163	0.00600
Chrysene	U		0.00206	0.00600
Dibenz(a,h)anthracene	U		0.00201	0.00600
Fluoranthene	U		0.00239	0.00600
Fluorene	U		0.00180	0.00600
Indeno(1,2,3-cd)pyrene	U		0.00234	0.00600
1-Methylnaphthalene	U		0.00219	0.0200
2-Methylnaphthalene	U		0.00571	0.0200
Naphthalene	U		0.00579	0.0200
Pyrene	U		0.00205	0.00600
(S) p-Terphenyl-d14	119			23.0-120
(S) Nitrobenzene-d5	109			14.0-149
(S) 2-Fluorobiphenyl	120			34.0-125

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4205259-1 04/25/25 11:39

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.0800	0.0746	93.3	50.0-120	
Anthracene	0.0800	0.0721	90.1	50.0-126	
Benzo(a)anthracene	0.0800	0.0693	86.6	45.0-120	
Benzo(b)fluoranthene	0.0800	0.0671	83.9	42.0-121	
Benzo(k)fluoranthene	0.0800	0.0669	83.6	49.0-125	
Benzo(a)pyrene	0.0800	0.0673	84.1	42.0-120	
Chrysene	0.0800	0.0746	93.3	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0714	89.3	47.0-125	
Fluoranthene	0.0800	0.0799	99.9	49.0-129	
Fluorene	0.0800	0.0748	93.5	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0682	85.3	46.0-125	
1-Methylnaphthalene	0.0800	0.0857	107	51.0-121	
2-Methylnaphthalene	0.0800	0.0789	98.6	50.0-120	
Naphthalene	0.0800	0.0760	95.0	50.0-120	
Pyrene	0.0800	0.0683	85.4	43.0-123	

Laboratory Control Sample (LCS)

(LCS) R4205259-1 04/25/25 11:39

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) p-Terphenyl-d14			120	23.0-120	
(S) Nitrobenzene-d5			115	14.0-149	
(S) 2-Fluorobiphenyl			128	34.0-125	J1

L1849700-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1849700-04 04/25/25 17:25 • (MS) R4205259-3 04/25/25 17:42 • (MSD) R4205259-4 04/25/25 18:00

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.0788	U	0.0504	0.0532	64.0	68.6	1	14.0-127			5.41	27
Anthracene	0.0788	U	0.0473	0.0500	60.0	64.4	1	10.0-145			5.55	30
Benzo(a)anthracene	0.0788	U	0.0445	0.0478	56.5	61.6	1	10.0-139			7.15	30
Benzo(b)fluoranthene	0.0788	U	0.0405	0.0441	51.4	56.8	1	10.0-140			8.51	36
Benzo(k)fluoranthene	0.0788	U	0.0419	0.0450	53.2	58.0	1	10.0-137			7.13	31
Benzo(a)pyrene	0.0788	U	0.0438	0.0467	55.6	60.2	1	10.0-141			6.41	31
Chrysene	0.0788	U	0.0489	0.0522	62.1	67.3	1	10.0-145			6.53	30
Dibenz(a,h)anthracene	0.0788	U	0.0438	0.0480	55.6	61.9	1	10.0-132			9.15	31
Fluoranthene	0.0788	U	0.0538	0.0560	68.3	72.2	1	10.0-153			4.01	33
Fluorene	0.0788	U	0.0507	0.0551	64.3	71.0	1	11.0-130			8.32	29
Indeno(1,2,3-cd)pyrene	0.0788	U	0.0425	0.0445	53.9	57.3	1	10.0-137			4.60	32
1-Methylnaphthalene	0.0788	U	0.0600	0.0634	76.1	81.7	1	10.0-142			5.51	28
2-Methylnaphthalene	0.0788	U	0.0542	0.0571	68.8	73.6	1	10.0-137			5.21	28
Naphthalene	0.0788	U	0.0537	0.0570	68.1	73.5	1	10.0-135			5.96	27
Pyrene	0.0788	U	0.0455	0.0479	57.7	61.7	1	10.0-148			5.14	35
(S) p-Terphenyl-d14					75.8	87.5		23.0-120				
(S) Nitrobenzene-d5					79.8	85.5		14.0-149				
(S) 2-Fluorobiphenyl					83.9	94.1		34.0-125				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4205294-2 04/25/25 09:42

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00162	0.00600
Anthracene	U		0.00163	0.00600
Benzo(a)anthracene	U		0.00200	0.00600
Benzo(b)fluoranthene	U		0.00275	0.00600
Benzo(k)fluoranthene	U		0.00213	0.00600
Benzo(a)pyrene	U		0.00163	0.00600
Chrysene	U		0.00206	0.00600
Dibenz(a,h)anthracene	U		0.00201	0.00600
Fluoranthene	U		0.00239	0.00600
Fluorene	U		0.00180	0.00600
Indeno(1,2,3-cd)pyrene	U		0.00234	0.00600
1-Methylnaphthalene	U		0.00219	0.0200
2-Methylnaphthalene	U		0.00571	0.0200
Naphthalene	U		0.00579	0.0200
Pyrene	U		0.00205	0.00600
(S) p-Terphenyl-d14	135	J1		23.0-120
(S) Nitrobenzene-d5	111			14.0-149
(S) 2-Fluorobiphenyl	120			34.0-125

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

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Gl

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Al

9
Sc

Laboratory Control Sample (LCS)

(LCS) R4205294-1 04/25/25 09:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.0800	0.0583	72.9	50.0-120	
Anthracene	0.0800	0.0628	78.5	50.0-126	
Benzo(a)anthracene	0.0800	0.0675	84.4	45.0-120	
Benzo(b)fluoranthene	0.0800	0.0590	73.8	42.0-121	
Benzo(k)fluoranthene	0.0800	0.0589	73.6	49.0-125	
Benzo(a)pyrene	0.0800	0.0501	62.6	42.0-120	
Chrysene	0.0800	0.0658	82.3	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0586	73.3	47.0-125	
Fluoranthene	0.0800	0.0660	82.5	49.0-129	
Fluorene	0.0800	0.0654	81.8	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0608	76.0	46.0-125	
1-Methylnaphthalene	0.0800	0.0618	77.3	51.0-121	
2-Methylnaphthalene	0.0800	0.0611	76.4	50.0-120	
Naphthalene	0.0800	0.0585	73.1	50.0-120	
Pyrene	0.0800	0.0637	79.6	43.0-123	

Laboratory Control Sample (LCS)

(LCS) R4205294-1 04/25/25 09:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) p-Terphenyl-d14			147	23.0-120	J1
(S) Nitrobenzene-d5			124	14.0-149	
(S) 2-Fluorobiphenyl			131	34.0-125	J1

L1849644-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1849644-06 04/25/25 16:51 • (MS) R4205294-3 04/25/25 17:11 • (MSD) R4205294-4 04/25/25 17:30

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.0792	U	0.0557	0.0512	70.3	65.6	1	14.0-127			8.42	27
Anthracene	0.0792	U	0.0588	0.0551	74.2	70.6	1	10.0-145			6.50	30
Benzo(a)anthracene	0.0792	U	0.0609	0.0588	76.9	75.4	1	10.0-139			3.51	30
Benzo(b)fluoranthene	0.0792	U	0.0588	0.0559	74.2	71.7	1	10.0-140			5.06	36
Benzo(k)fluoranthene	0.0792	U	0.0561	0.0546	70.8	70.0	1	10.0-137			2.71	31
Benzo(a)pyrene	0.0792	U	0.0562	0.0545	71.0	69.9	1	10.0-141			3.07	31
Chrysene	0.0792	U	0.0628	0.0616	79.3	79.0	1	10.0-145			1.93	30
Dibenz(a,h)anthracene	0.0792	U	0.0561	0.0543	70.8	69.6	1	10.0-132			3.26	31
Fluoranthene	0.0792	U	0.0623	0.0583	78.7	74.7	1	10.0-153			6.63	33
Fluorene	0.0792	U	0.0640	0.0587	80.8	75.3	1	11.0-130			8.64	29
Indeno(1,2,3-cd)pyrene	0.0792	U	0.0544	0.0527	68.7	67.6	1	10.0-137			3.17	32
1-Methylnaphthalene	0.0792	U	0.0604	0.0557	76.3	71.4	1	10.0-142			8.10	28
2-Methylnaphthalene	0.0792	U	0.0595	0.0543	75.1	69.6	1	10.0-137			9.14	28
Naphthalene	0.0792	U	0.0564	0.0508	71.2	65.1	1	10.0-135			10.4	27
Pyrene	0.0792	U	0.0610	0.0584	77.0	74.9	1	10.0-148			4.36	35
(S) p-Terphenyl-d14					149	146		23.0-120	J1	J1		
(S) Nitrobenzene-d5					120	114		14.0-149				
(S) 2-Fluorobiphenyl					133	125		34.0-125	J1			

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4205411-2 04/25/25 10:10

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00162	0.00600
Anthracene	U		0.00163	0.00600
Benzo(a)anthracene	U		0.00200	0.00600
Benzo(b)fluoranthene	U		0.00275	0.00600
Benzo(k)fluoranthene	U		0.00213	0.00600
Benzo(a)pyrene	U		0.00163	0.00600
Chrysene	U		0.00206	0.00600
Dibenz(a,h)anthracene	U		0.00201	0.00600
Fluoranthene	U		0.00239	0.00600
Fluorene	U		0.00180	0.00600
Indeno(1,2,3-cd)pyrene	U		0.00234	0.00600
1-Methylnaphthalene	U		0.00219	0.0200
2-Methylnaphthalene	U		0.00571	0.0200
Naphthalene	U		0.00579	0.0200
Pyrene	U		0.00205	0.00600
(S) p-Terphenyl-d14	151	J1		23.0-120
(S) Nitrobenzene-d5	115			14.0-149
(S) 2-Fluorobiphenyl	122			34.0-125

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R4205411-1 04/25/25 09:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.0800	0.0585	73.1	50.0-120	
Anthracene	0.0800	0.0621	77.6	50.0-126	
Benzo(a)anthracene	0.0800	0.0660	82.5	45.0-120	
Benzo(b)fluoranthene	0.0800	0.0729	91.1	42.0-121	
Benzo(k)fluoranthene	0.0800	0.0731	91.4	49.0-125	
Benzo(a)pyrene	0.0800	0.0525	65.6	42.0-120	
Chrysene	0.0800	0.0679	84.9	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0704	88.0	47.0-125	
Fluoranthene	0.0800	0.0741	92.6	49.0-129	
Fluorene	0.0800	0.0644	80.5	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0704	88.0	46.0-125	
1-Methylnaphthalene	0.0800	0.0634	79.3	51.0-121	
2-Methylnaphthalene	0.0800	0.0616	77.0	50.0-120	
Naphthalene	0.0800	0.0585	73.1	50.0-120	
Pyrene	0.0800	0.0660	82.5	43.0-123	

Laboratory Control Sample (LCS)

(LCS) R4205411-1 04/25/25 09:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) p-Terphenyl-d14			171	23.0-120	J1
(S) Nitrobenzene-d5			153	14.0-149	J1
(S) 2-Fluorobiphenyl			144	34.0-125	J1

L1850130-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1850130-01 04/25/25 10:27 • (MS) R4205411-3 04/25/25 10:45 • (MSD) R4205411-4 04/25/25 11:03

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.0788	0.00501	1.15	1.20	1450	1520	1	14.0-127	J5	J5	4.26	27
Anthracene	0.0788	0.00912	2.31	2.05	2920	2600	1	10.0-145	J5	J5	11.9	30
Benzo(a)anthracene	0.0788	0.00981	2.45	1.87	3100	2370	1	10.0-139	J5	J5	26.9	30
Benzo(b)fluoranthene	0.0788	0.0116	2.20	1.67	2780	2120	1	10.0-140	J5	J5	27.4	36
Benzo(k)fluoranthene	0.0788	0.00381	0.835	0.619	1050	785	1	10.0-137	J5	J5	29.7	31
Benzo(a)pyrene	0.0788	0.00729	1.61	1.24	2030	1570	1	10.0-141	J5	J5	26.0	31
Chrysene	0.0788	0.0105	2.58	1.92	3260	2440	1	10.0-145	J5	J5	29.3	30
Dibenz(a,h)anthracene	0.0788	U	0.389	0.273	494	348	1	10.0-132	J5	J3 J5	35.0	31
Fluoranthene	0.0788	0.0295	6.88	5.28	8690	6700	1	10.0-153	E J5	E J5	26.3	33
Fluorene	0.0788	0.00592	1.37	1.43	1730	1820	1	11.0-130	J5	J5	4.29	29
Indeno(1,2,3-cd)pyrene	0.0788	0.00468	1.08	0.754	1360	956	1	10.0-137	J5	J3 J5	35.6	32
1-Methylnaphthalene	0.0788	U	0.189	0.225	240	287	1	10.0-142	J5	J5	17.4	28
2-Methylnaphthalene	0.0788	U	0.275	0.379	349	483	1	10.0-137	J5	J3 J5	31.8	28
Naphthalene	0.0788	0.00603	0.429	0.918	537	1160	1	10.0-135	J5	J3 J5	72.6	27
Pyrene	0.0788	0.0215	5.00	3.61	6320	4580	1	10.0-148	E J5	J5	32.3	35
(S) p-Terphenyl-d14					161	113		23.0-120	J1			
(S) Nitrobenzene-d5					135	117		14.0-149				
(S) 2-Fluorobiphenyl					127	103		34.0-125	J1			

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

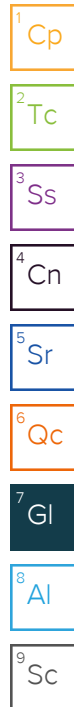
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
T8	Sample(s) received past/too close to holding time expiration.



ACCREDITATIONS & LOCATIONS

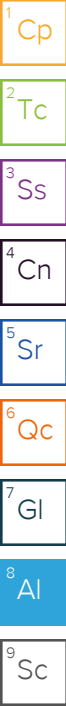
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122


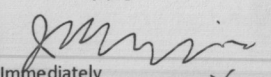
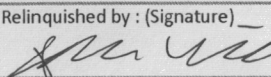
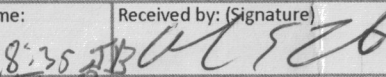
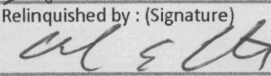
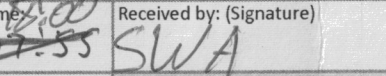
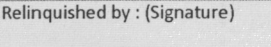
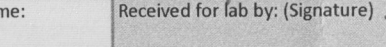
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Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina 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.



Address: Jason - CO 2115 117th Avenue Greeley, CO 80631		Billing Information: Dan Peterson 2115 117th Avenue Greeley, CO 80631		Pres Chk		Analysis / Container / Preservative										Chain of Custody Page 1 of 3	
Report to: CDH Team 970-304-5000		Email To: danpeterson@chevron.com; CVX-PM@cdhconsult.com; jason.davidson@chevron.														 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	
Project Description: Born Sphum 975 FL		City/State Collected:		Please Circle: PT MT CT ET													
Regulatory Program(DOD, RCRA, DW, etc):		Client Project # 32829		Lab Project # CHEGCO-CDH												SDG # 1850729 J076	
Collected by (print): Sally Willey		Site/Facility ID #		P.O. #												Acctnum: CHEGCO Template: T270844 Prelogin: P1140482 PM: 824 - Chris Ward PB:	
Collected by (signature): 		Rush? (Lab MUST Be Notified) Same Day _____ Five Day _____ Next Day _____ 5 Day (Rad Only) _____ Two Day _____ 10 Day (Rad Only) _____ Three Day _____ <input checked="" type="checkbox"/> STD TAT		Quote #												Shipped Via: FedEX Ground	
Immediately Packed on Ice N <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/>		Date Results Needed		No. of Cntrs												Remarks	
Sample ID		Comp/Grab		Matrix *		Depth		Date		Time							
FL01-01@3'		Grab		SS		3'		4/18/25		10:12		3		X		-01	
FL01-02@3'				SS						10:44		3		X		-02	
FL02-01@3'										10:46		3		X		-03	
FL03-01@3'										10:48		3		X		-04	
FL04-01@3'										10:50		3		X		-05	
FL05-01@3'										10:52		3		X		-06	
FL06-01@3'										10:54		3		X		-07	
FL07-01@3'										10:56		3		X		-08	
FL01-03@4'						4'				11:08		3		X		-09	
FL02-02@4'						4'				11:10		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 _____												Sample Receipt Checklist COC Seal Present/Intact: <input checked="" type="checkbox"/> NP <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N COC Signed/Accurate: <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N Bottles arrive intact: <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N Correct bottles used: <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N Sufficient volume sent: <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N If Applicable VOA Zero Headspace: <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N Preservation Correct/Checked: <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N RAD Screen <0.5 mR/hr: <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
Samples returned via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier		Tracking #															
Relinquished by: (Signature) 		Date: 4/18/25		Time: 18:35		Received by: (Signature) 		Trip Blank Received: Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		HCL / MeOH TBR							
Relinquished by: (Signature) 		Date: 4/19/25		Time: 07:55		Received by: (Signature) 		Temp: _____ °C		Bottles Received: 81						If preservation required by Login: Date/Time	
Relinquished by: (Signature) 		Date:		Time:		Received for lab by: (Signature) 		Date: 4-20-25		Time: 1015						Condition: NCF / OK	

Company Name/Address: Chevron - CO 2115 117th Avenue Greeley, CO 80631				Billing Information: Dan Peterson 2115 117th Avenue Greeley, CO 80631				Analysis / Container / Preservative <div style="display: flex; justify-content: space-between;"> <div>Pres Chk</div> <div> <table border="1" style="width:100%; height: 100px;"> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table> </div> </div>														Chain of Custody Page <u>2</u> of <u>2</u> <div style="text-align: center;"> PEOPLE ADVANCING SCIENCE </div> <div style="text-align: center; margin-top: 10px;"> MT JULIET, TN <small>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</small> </div>			
Report to: CDH Team 970-304-5000				Email To: danpeterson@chevron.com ; CVX-PM@cdhconsult.com ; jason.davidson@chevron.com				<div style="display: flex; justify-content: space-around; font-weight: bold;"> <div>Full TABLE915 4ozCir-NoPres</div> <div>TABLE915BG 4ozCir-NoPres</div> </div>																	
Project Description: <u>Born Situmgn 5 FL</u>		City/State Collected:		Please Circle: PT MT CT ET																					
Regulatory Program(DOD,RCRA,DW,etc):		Client Project # <u>32829</u>		Lab Project # CHEGCO-CDH																					
Collected by (print): <u>Sally Hilkey</u>		Site/Facility ID #		P.O. #																					
Collected by (signature): 		Rush? (Lab MUST Be Notified) <input type="checkbox"/> Same Day <input type="checkbox"/> Five Day <input type="checkbox"/> Next Day <input type="checkbox"/> 5 Day (Rad Only) <input type="checkbox"/> Two Day <input type="checkbox"/> 10 Day (Rad Only) <input type="checkbox"/> Three Day <input checked="" type="checkbox"/> STD TAT		Quote #																					
Immediately Packed on Ice N <u> </u> Y <u>X</u>		Date Results Needed		No. of Cntrs																					
Sample ID		Comp/Grab		Matrix *		Depth		Date		Time															
<u>FL03-02@4'</u>		<u>Grgb</u>		<u>SS</u>		<u>4'</u>		<u>4/18/25</u>		<u>11:12</u>															
<u>FL04-02@4'</u>				<u>SS</u>		<u>4'</u>				<u>11:14</u>															
<u>FL02-05@4'</u>				<u>SS</u>		<u>4'</u>				<u>14:35</u>															
<u>FL02-06@3'</u>						<u>3'</u>				<u>15:50</u>															
<u>FL02-07@3'</u>						<u>3'</u>				<u>16:15</u>															
<u>FL03-05@3'</u>						<u>3'</u>				<u>16:10</u>															
<u>FL03-06@3'</u>						<u>3'</u>				<u>16:20</u>															
<u>FL01-04@3'</u>						<u>3'</u>				<u>14:10</u>															
<u>FL02-03@3'</u>						<u>3'</u>				<u>14:15</u>															
<u>FL03-03@3'</u>						<u>3'</u>				<u>14:20</u>															
* 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: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier				Tracking #				<div style="border: 1px solid black; padding: 5px;"> Sample Receipt Checklist COC Seal Present/Intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N COC Signed/Accurate: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Bottles arrive intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Correct bottles used: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Sufficient volume sent: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N If Applicable VOA Zero Headspace: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Preservation Correct/Checked: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N RAD Screen <0.5 mR/hr: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N </div>																	
Relinquished by: (Signature) 		Date: <u>4/18/25</u>		Time: <u>18:35</u>		Received by: (Signature) 		Trip Blank Received: Yes/No <div style="text-align: center;">HCL / MeOH TBR</div>																	
Relinquished by: (Signature) 		Date: <u>4/19/25</u>		Time: <u>07:55</u>		Received by: (Signature) <u>SWA</u>		Temp: _____ °C Bottles Received: <u>81</u>		If preservation required by Login: Date/Time															
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature) 		Date: _____ Time: _____		Hold: _____ Condition: <u>NCF / OK</u>															

[illegible]

L#

1850/20

[illegible]

Name _____

Date _____