ANALYTICAL REPORT

March 19, 2025

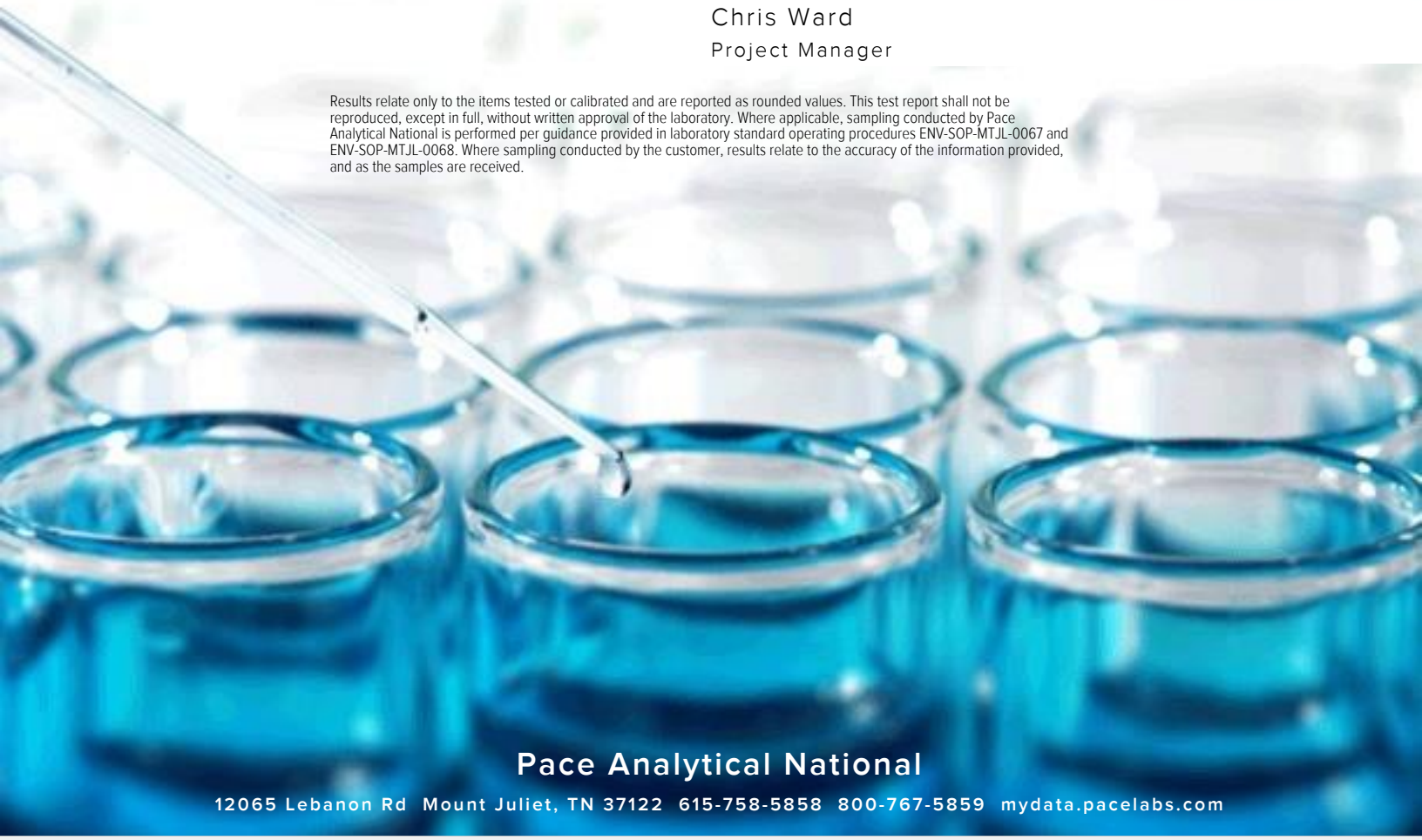
Jessica Carr
2025.03.19 20:51:56 -05'00'
Document is certified

Chevron - CO

Sample Delivery Group:	L1834340
Samples Received:	03/11/2025
Project Number:	C023-037
Description:	Nobel - Patriot B16-24 Backgrounds
Report To:	Paul H. 2115 117th Avenue Greeley, CO 80631

Entire Report Reviewed By:

Chris Ward
Project Manager



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

TABLE OF CONTENTS

24 BKG 6 1 FT L1834340-01 Solid

Collected by: Jordan Suttles | Collected date/time: 03/10/25 09:05 | Received date/time: 03/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2468822	1	03/15/25 15:03	03/15/25 15:03	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2467003	1	03/13/25 13:23	03/13/25 21:07	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2469716	1	03/15/25 11:44	03/15/25 13:00	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2469717	1	03/15/25 11:47	03/15/25 15:00	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2468827	1	03/15/25 14:48	03/17/25 08:49	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2468981	5	03/14/25 16:14	03/15/25 00:19	JPD	Mt. Juliet, TN

24 BKG 6 2 FT L1834340-02 Solid

Collected by: Jordan Suttles | Collected date/time: 03/10/25 09:15 | Received date/time: 03/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2468822	1	03/15/25 15:08	03/15/25 15:08	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2467003	1	03/13/25 13:23	03/13/25 21:17	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2469716	1	03/15/25 11:44	03/15/25 13:00	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2469717	1	03/15/25 11:47	03/15/25 15:00	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2468827	1	03/15/25 14:48	03/17/25 08:57	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2468981	5	03/14/25 16:14	03/15/25 00:23	JPD	Mt. Juliet, TN

24 BKG 6 3 FT L1834340-03 Solid

Collected by: Jordan Suttles | Collected date/time: 03/10/25 09:25 | Received date/time: 03/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2468490	1	03/14/25 14:06	03/14/25 14:06	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2467003	1	03/13/25 13:23	03/13/25 21:28	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2469281	1	03/14/25 12:49	03/14/25 21:00	BRT	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2469285	1	03/14/25 12:57	03/16/25 15:41	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2468498	1	03/13/25 21:24	03/14/25 04:23	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2468981	5	03/14/25 16:14	03/15/25 00:26	JPD	Mt. Juliet, TN

24 BKG 6 4 FT L1834340-04 Solid

Collected by: Jordan Suttles | Collected date/time: 03/10/25 09:35 | Received date/time: 03/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2468489	1	03/14/25 10:15	03/14/25 10:15	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2467003	1	03/13/25 13:23	03/13/25 21:38	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2469074	1	03/14/25 09:18	03/14/25 12:34	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2469076	1	03/14/25 09:25	03/14/25 14:00	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2468493	1	03/13/25 21:15	03/14/25 09:27	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2468981	5	03/14/25 16:14	03/15/25 00:35	JPD	Mt. Juliet, TN

24 BKG 7 1 FT L1834340-05 Solid

Collected by: Jordan Suttles | Collected date/time: 03/10/25 09:45 | Received date/time: 03/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2468489	1	03/14/25 10:16	03/14/25 10:16	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2467003	.862	03/13/25 13:23	03/13/25 21:49	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2469079	1	03/14/25 09:27	03/14/25 12:34	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2469192	1	03/14/25 13:00	03/14/25 14:20	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2468493	1	03/13/25 21:15	03/14/25 09:29	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2468981	5	03/14/25 16:14	03/15/25 00:39	JPD	Mt. Juliet, TN

24 BKG 7 2 FT L1834340-06 Solid

Collected by: Jordan Suttles | Collected date/time: 03/10/25 09:55 | Received date/time: 03/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2468488	1	03/14/25 00:46	03/14/25 00:46	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2467003	1	03/13/25 13:23	03/13/25 21:59	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2469074	1	03/14/25 09:18	03/14/25 12:34	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2469076	1	03/14/25 09:25	03/14/25 14:00	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2468495	1	03/13/25 21:13	03/14/25 02:44	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2468981	5	03/14/25 16:14	03/15/25 00:42	JPD	Mt. Juliet, TN

24 BKG 7 3 FT L1834340-07 Solid

Collected by: Jordan Suttles | Collected date/time: 03/10/25 10:05 | Received date/time: 03/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2468488	1	03/14/25 00:48	03/14/25 00:48	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2467003	1	03/13/25 13:23	03/13/25 22:31	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2469079	1	03/14/25 09:27	03/14/25 12:34	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2469192	1	03/14/25 13:00	03/14/25 14:20	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2468495	1	03/13/25 21:13	03/14/25 02:45	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2468981	5	03/14/25 16:14	03/15/25 00:45	JPD	Mt. Juliet, TN

24 BKG 7 4 FT L1834340-08 Solid

Collected by: Jordan Suttles | Collected date/time: 03/10/25 10:15 | Received date/time: 03/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2468488	1	03/14/25 00:53	03/14/25 00:53	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2468380	1	03/13/25 15:55	03/14/25 08:36	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2469074	1	03/14/25 09:18	03/14/25 12:34	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2469076	1	03/14/25 09:25	03/14/25 14:00	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2468495	1	03/13/25 21:13	03/14/25 02:47	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2468981	5	03/14/25 16:14	03/15/25 00:50	JPD	Mt. Juliet, TN

24 BKG 8 1 FT L1834340-09 Solid

Collected by: Jordan Suttles | Collected date/time: 03/10/25 10:25 | Received date/time: 03/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2468489	1	03/14/25 10:18	03/14/25 10:18	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2468380	1	03/13/25 15:55	03/14/25 08:46	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2469074	1	03/14/25 09:18	03/14/25 12:34	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2469076	1	03/14/25 09:25	03/14/25 14:00	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2468493	1	03/13/25 21:15	03/14/25 09:30	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2468981	5	03/14/25 16:14	03/15/25 00:53	JPD	Mt. Juliet, TN

24 BKG 8 2 FT L1834340-10 Solid

Collected by: Jordan Suttles | Collected date/time: 03/10/25 10:35 | Received date/time: 03/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2468488	1	03/14/25 00:55	03/14/25 00:55	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2468380	1	03/13/25 15:55	03/14/25 08:55	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2469074	1	03/14/25 09:18	03/14/25 12:34	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2469076	1	03/14/25 09:25	03/14/25 14:00	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2468495	1	03/13/25 21:13	03/14/25 02:49	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2468980	5	03/14/25 18:20	03/17/25 21:02	LD	Mt. Juliet, TN

24 BKG 8 3 FT L1834340-11 Solid

Collected by: Jordan Suttles | Collected date/time: 03/10/25 12:15 | Received date/time: 03/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2468490	1	03/14/25 14:07	03/14/25 14:07	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2468380	1	03/13/25 15:55	03/14/25 09:05	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2469281	1	03/14/25 12:49	03/14/25 21:00	BRT	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2469285	1	03/14/25 12:57	03/16/25 15:41	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2468498	1	03/13/25 21:24	03/14/25 04:24	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2468981	5	03/14/25 16:14	03/15/25 00:56	JPD	Mt. Juliet, TN

24 BKG 8 4 FT L1834340-12 Solid

Collected by: Jordan Suttles | Collected date/time: 03/10/25 10:45 | Received date/time: 03/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2468489	1	03/14/25 10:19	03/14/25 10:19	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2468380	1	03/13/25 15:55	03/14/25 09:14	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2469074	1	03/14/25 09:18	03/14/25 12:34	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2469076	1	03/14/25 09:25	03/14/25 14:00	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2468493	1	03/13/25 21:15	03/14/25 09:32	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2468981	5	03/14/25 16:14	03/15/25 00:59	JPD	Mt. Juliet, TN

24 BKG 9 1 FT L1834340-13 Solid

Collected by: Jordan Suttles | Collected date/time: 03/10/25 10:55 | Received date/time: 03/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2468490	1	03/14/25 14:09	03/14/25 14:09	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2468380	1	03/13/25 15:55	03/14/25 09:34	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2469281	1	03/14/25 12:49	03/14/25 21:00	BRT	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2469285	1	03/14/25 12:57	03/16/25 15:41	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2468498	1	03/13/25 21:24	03/14/25 04:26	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2468981	5	03/14/25 16:14	03/15/25 01:02	JPD	Mt. Juliet, TN

24 BKG 9 2 FT L1834340-14 Solid

Collected by: Jordan Suttles | Collected date/time: 03/10/25 11:05 | Received date/time: 03/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2468489	1	03/14/25 10:21	03/14/25 10:21	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2468380	1	03/13/25 15:55	03/14/25 09:43	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2469074	1	03/14/25 09:18	03/14/25 12:34	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2469076	1	03/14/25 09:25	03/14/25 14:00	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2468493	1	03/13/25 21:15	03/14/25 09:34	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2468981	5	03/14/25 16:14	03/15/25 01:06	JPD	Mt. Juliet, TN

24 BKG 9 3 FT L1834340-15 Solid

Collected by: Jordan Suttles | Collected date/time: 03/10/25 11:15 | Received date/time: 03/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2468488	1	03/14/25 00:56	03/14/25 00:56	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2468380	1	03/13/25 15:55	03/14/25 10:12	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2469074	1	03/14/25 09:18	03/14/25 12:34	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2469076	1	03/14/25 09:25	03/14/25 14:00	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2468495	1	03/13/25 21:13	03/14/25 02:50	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2468981	5	03/14/25 16:14	03/15/25 01:15	JPD	Mt. Juliet, TN

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

24 BKG 9 4 FT L1834340-16 Solid

Collected by: Jordan Suttles | Collected date/time: 03/10/25 11:25 | Received date/time: 03/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2468488	1	03/14/25 00:58	03/14/25 00:58	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2468380	1	03/13/25 15:55	03/14/25 11:00	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2469079	1	03/14/25 09:27	03/14/25 12:34	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2469192	1	03/14/25 13:00	03/14/25 14:20	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2468495	1	03/13/25 21:13	03/14/25 02:52	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2468981	5	03/14/25 16:14	03/15/25 01:18	JPD	Mt. Juliet, TN

24 BKG 10 1 FT L1834340-17 Solid

Collected by: Jordan Suttles | Collected date/time: 03/10/25 11:35 | Received date/time: 03/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2468489	1	03/14/25 10:23	03/14/25 10:23	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2468380	1	03/13/25 15:55	03/14/25 11:10	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2469079	1	03/14/25 09:27	03/14/25 12:34	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2469192	1	03/14/25 13:00	03/14/25 14:20	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2468493	1	03/13/25 21:15	03/14/25 09:35	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2468980	5	03/14/25 18:20	03/17/25 21:18	LD	Mt. Juliet, TN

24 BKG 10 2 FT L1834340-18 Solid

Collected by: Jordan Suttles | Collected date/time: 03/10/25 11:45 | Received date/time: 03/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2468489	1	03/14/25 10:24	03/14/25 10:24	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2468380	1	03/13/25 15:55	03/14/25 11:20	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2469074	1	03/14/25 09:18	03/14/25 12:34	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2469076	1	03/14/25 09:25	03/14/25 14:00	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2468493	1	03/13/25 21:15	03/14/25 09:40	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2468980	5	03/14/25 18:20	03/17/25 21:21	LD	Mt. Juliet, TN

24 BKG 10 3 FT L1834340-19 Solid

Collected by: Jordan Suttles | Collected date/time: 03/10/25 11:55 | Received date/time: 03/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2468488	1	03/14/25 01:00	03/14/25 01:00	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2468380	1	03/13/25 15:55	03/14/25 11:29	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2469079	1	03/14/25 09:27	03/14/25 12:34	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2469192	1	03/14/25 13:00	03/14/25 14:20	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2468495	1	03/13/25 21:13	03/14/25 02:54	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2468980	5	03/14/25 18:20	03/17/25 21:24	LD	Mt. Juliet, TN

24 BKG 10 4 FT L1834340-20 Solid

Collected by: Jordan Suttles | Collected date/time: 03/10/25 12:05 | Received date/time: 03/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2468488	1	03/14/25 01:01	03/14/25 01:01	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2468380	1	03/13/25 15:55	03/14/25 11:39	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2469079	1	03/14/25 09:27	03/14/25 12:34	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2469192	1	03/14/25 13:00	03/14/25 14:20	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2468495	1	03/13/25 21:13	03/14/25 02:55	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2468980	5	03/14/25 18:20	03/17/25 21:49	LD	Mt. Juliet, TN

N WALL 1 FT (2) L1834340-21 Solid

Collected by: Jordan Suttles | Collected date/time: 03/10/25 12:25 | Received date/time: 03/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2468488	1	03/14/25 01:03	03/14/25 01:03	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2468380	1	03/13/25 15:55	03/14/25 12:17	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2469079	1	03/14/25 09:27	03/14/25 12:34	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2469192	1	03/14/25 13:00	03/14/25 14:20	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2468495	1	03/13/25 21:13	03/14/25 02:57	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2468980	5	03/14/25 18:20	03/17/25 21:52	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2469346	1	03/12/25 15:42	03/14/25 17:02	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2467865	1	03/12/25 15:42	03/13/25 03:49	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2470285	1	03/17/25 08:42	03/19/25 14:06	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2469456	1	03/17/25 15:00	03/17/25 23:24	JCH	Mt. Juliet, TN

N WALL 2 FT L1834340-22 Solid

Collected by: Jordan Suttles | Collected date/time: 03/10/25 12:35 | Received date/time: 03/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2468488	1	03/14/25 01:05	03/14/25 01:05	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2468380	1	03/13/25 15:55	03/14/25 12:27	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2469074	1	03/14/25 09:18	03/14/25 12:34	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2469076	1	03/14/25 09:25	03/14/25 14:00	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2468495	1	03/13/25 21:13	03/14/25 02:59	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2468980	5	03/14/25 18:20	03/17/25 21:55	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2469346	1	03/12/25 15:42	03/14/25 17:25	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2467865	1	03/12/25 15:42	03/13/25 04:08	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2470628	1	03/18/25 08:06	03/19/25 01:02	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2469456	1	03/17/25 15:00	03/17/25 23:43	JCH	Mt. Juliet, TN

N WALL 3 FT L1834340-23 Solid

Collected by: Jordan Suttles | Collected date/time: 03/10/25 12:45 | Received date/time: 03/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2468823	1	03/17/25 08:12	03/17/25 08:12	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2468380	1	03/13/25 15:55	03/14/25 12:37	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2470072	1	03/16/25 12:30	03/17/25 12:37	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2470075	1	03/16/25 12:34	03/17/25 14:49	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2468826	1	03/15/25 14:50	03/17/25 12:23	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2468980	5	03/14/25 18:20	03/17/25 21:58	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2469346	1	03/12/25 15:42	03/14/25 17:47	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2467865	1	03/12/25 15:42	03/13/25 04:27	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2470628	1	03/18/25 08:06	03/19/25 00:48	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2469456	1	03/17/25 15:00	03/18/25 00:03	JCH	Mt. Juliet, TN

N WALL 4 FT L1834340-24 Solid

Collected by: Jordan Suttles | Collected date/time: 03/10/25 12:55 | Received date/time: 03/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2468823	1	03/17/25 08:15	03/17/25 08:15	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2468380	1	03/13/25 15:55	03/14/25 12:46	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2470072	1	03/16/25 12:30	03/17/25 12:37	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2470075	1	03/16/25 12:34	03/17/25 14:49	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2468826	1	03/15/25 14:50	03/17/25 12:26	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2468980	5	03/14/25 18:20	03/17/25 22:02	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2469346	1	03/12/25 15:42	03/14/25 18:10	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2467865	1	03/12/25 15:42	03/13/25 04:46	ACG	Mt. Juliet, TN

N WALL 4 FT L1834340-24 Solid

Collected by: Jordan Suttles | Collected date/time: 03/10/25 12:55 | Received date/time: 03/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2470628	1	03/18/25 08:06	03/19/25 12:56	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2469456	1	03/17/25 15:00	03/18/25 01:01	JCH	Mt. Juliet, TN

E WALL 1 FT (2) L1834340-25 Solid

Collected by: Jordan Suttles | Collected date/time: 03/10/25 13:05 | Received date/time: 03/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2468823	1	03/17/25 08:18	03/17/25 08:18	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2468380	1	03/13/25 15:55	03/14/25 12:56	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2470072	1	03/16/25 12:30	03/17/25 12:37	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2470075	1	03/16/25 12:34	03/17/25 14:49	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2468826	1	03/15/25 14:50	03/17/25 12:29	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2468980	5	03/14/25 18:20	03/17/25 22:05	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2469346	1	03/12/25 15:42	03/14/25 18:32	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2467865	1	03/12/25 15:42	03/13/25 05:05	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2470628	1	03/18/25 08:06	03/19/25 12:28	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2469456	1	03/17/25 15:00	03/18/25 01:21	JCH	Mt. Juliet, TN

E WALL 2 FT L1834340-26 Solid

Collected by: Jordan Suttles | Collected date/time: 03/10/25 13:15 | Received date/time: 03/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2468823	1	03/17/25 08:21	03/17/25 08:21	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2468380	1	03/13/25 15:55	03/14/25 13:06	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2470072	1	03/16/25 12:30	03/17/25 12:37	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2470075	1	03/16/25 12:34	03/17/25 14:49	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2468826	1	03/15/25 14:50	03/17/25 12:32	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2468980	5	03/14/25 18:20	03/17/25 22:15	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2469346	1	03/12/25 15:42	03/14/25 18:55	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2467865	1	03/12/25 15:42	03/13/25 05:24	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2470628	1	03/18/25 08:06	03/19/25 00:06	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2469456	1	03/17/25 15:00	03/18/25 01:40	JCH	Mt. Juliet, TN

E WALL 3 FT L1834340-27 Solid

Collected by: Jordan Suttles | Collected date/time: 03/10/25 13:25 | Received date/time: 03/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2468823	1	03/17/25 08:23	03/17/25 08:23	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2468380	1	03/13/25 15:55	03/14/25 13:15	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2470072	1	03/16/25 12:30	03/17/25 12:37	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2470075	1	03/16/25 12:34	03/17/25 14:49	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2468826	1	03/15/25 14:50	03/17/25 12:35	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2468980	5	03/14/25 18:20	03/17/25 22:18	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2469346	1	03/12/25 15:42	03/14/25 19:17	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2467865	1	03/12/25 15:42	03/13/25 05:43	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2470628	1	03/18/25 08:06	03/18/25 23:10	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2469456	1	03/17/25 15:00	03/18/25 02:00	JCH	Mt. Juliet, TN

E WALL 4 FT L1834340-28 Solid

Collected by: Jordan Suttles | Collected date/time: 03/10/25 13:35 | Received date/time: 03/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2468823	1	03/17/25 08:26	03/17/25 08:26	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2468387	1	03/13/25 17:22	03/14/25 14:05	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2470072	1	03/16/25 12:30	03/17/25 12:37	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2470075	1	03/16/25 12:34	03/17/25 14:49	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2468826	1	03/15/25 14:50	03/17/25 12:38	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2468980	5	03/14/25 18:20	03/17/25 22:23	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2469346	1	03/12/25 15:42	03/14/25 19:39	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2467865	1	03/12/25 15:42	03/13/25 06:02	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2470628	1	03/18/25 08:06	03/19/25 00:34	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2469458	1	03/18/25 07:54	03/19/25 00:41	KB	Mt. Juliet, TN

S WALL 1 FT (2) L1834340-29 Solid

Collected by: Jordan Suttles | Collected date/time: 03/10/25 13:45 | Received date/time: 03/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2468823	1	03/17/25 08:29	03/17/25 08:29	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2468387	1	03/13/25 17:22	03/14/25 14:15	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2470072	1	03/16/25 12:30	03/17/25 12:37	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2470075	1	03/16/25 12:34	03/17/25 14:49	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2468826	1	03/15/25 14:50	03/17/25 12:41	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2468980	5	03/14/25 18:20	03/17/25 22:26	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2469346	1	03/12/25 15:42	03/14/25 20:02	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2467865	1	03/12/25 15:42	03/13/25 06:21	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2470628	1	03/18/25 08:06	03/19/25 13:10	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2469458	1	03/18/25 07:54	03/19/25 01:00	KB	Mt. Juliet, TN

S WALL 2 FT L1834340-30 Solid

Collected by: Jordan Suttles | Collected date/time: 03/10/25 13:55 | Received date/time: 03/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2468823	1	03/17/25 08:32	03/17/25 08:32	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2468387	1	03/13/25 17:22	03/14/25 14:24	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2470072	1	03/16/25 12:30	03/17/25 12:37	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2470075	1	03/16/25 12:34	03/17/25 14:49	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2468826	1	03/15/25 14:50	03/17/25 12:49	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2468980	5	03/14/25 18:20	03/17/25 22:29	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2469576	1	03/12/25 15:42	03/15/25 01:40	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2467865	1	03/12/25 15:42	03/13/25 06:40	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2470628	1	03/18/25 08:06	03/18/25 23:38	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2469458	1	03/18/25 07:54	03/19/25 01:20	KB	Mt. Juliet, TN

S WALL 3 FT L1834340-31 Solid

Collected by: Jordan Suttles | Collected date/time: 03/10/25 08:10 | Received date/time: 03/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2468823	1	03/17/25 08:35	03/17/25 08:35	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2468387	1	03/13/25 17:22	03/14/25 14:34	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2470072	1	03/16/25 12:30	03/17/25 12:37	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2470075	1	03/16/25 12:34	03/17/25 14:49	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2468826	1	03/15/25 14:50	03/17/25 12:52	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2468980	5	03/14/25 18:20	03/17/25 21:36	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2469576	1	03/12/25 15:42	03/15/25 02:03	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2467865	1	03/12/25 15:42	03/13/25 06:59	ACG	Mt. Juliet, TN

S WALL 3 FT L1834340-31 Solid

Collected by: Jordan Suttles | Collected date/time: 03/10/25 08:10 | Received date/time: 03/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2470628	1	03/18/25 08:06	03/18/25 23:24	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2469458	1	03/18/25 07:54	03/19/25 01:39	KB	Mt. Juliet, TN

S WALL 4 FT L1834340-32 Solid

Collected by: Jordan Suttles | Collected date/time: 03/10/25 08:20 | Received date/time: 03/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2468823	1	03/17/25 08:43	03/17/25 08:43	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2468387	1	03/13/25 17:22	03/14/25 14:44	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2470072	1	03/16/25 12:30	03/17/25 12:37	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2470075	1	03/16/25 12:34	03/17/25 14:49	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2468826	1	03/15/25 14:50	03/17/25 12:55	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2468980	5	03/14/25 18:20	03/17/25 22:32	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2469576	1	03/12/25 15:42	03/15/25 02:27	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2467865	1	03/12/25 15:42	03/13/25 07:18	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2470628	1	03/18/25 08:06	03/18/25 22:56	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2469458	1	03/18/25 07:54	03/19/25 01:59	KB	Mt. Juliet, TN

FLOOR 2 FT (2) L1834340-33 Solid

Collected by: Jordan Suttles | Collected date/time: 03/10/25 08:30 | Received date/time: 03/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2468823	1	03/17/25 08:46	03/17/25 08:46	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2468387	1	03/13/25 17:22	03/14/25 15:53	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2470072	1	03/16/25 12:30	03/17/25 12:37	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2470075	1	03/16/25 12:34	03/17/25 14:49	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2468826	1	03/15/25 14:50	03/17/25 12:57	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2468980	5	03/14/25 18:20	03/17/25 22:35	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2469576	1	03/12/25 15:42	03/15/25 02:50	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2467865	1	03/12/25 15:42	03/13/25 07:37	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2470628	10	03/18/25 08:06	03/19/25 12:42	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2469458	1	03/18/25 07:54	03/19/25 06:13	KB	Mt. Juliet, TN

FLOOR 3 FT L1834340-34 Solid

Collected by: Jordan Suttles | Collected date/time: 03/10/25 08:40 | Received date/time: 03/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2468823	1	03/17/25 08:49	03/17/25 08:49	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2468387	1	03/13/25 17:22	03/14/25 16:03	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2470072	1	03/16/25 12:30	03/17/25 12:37	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2470075	1	03/16/25 12:34	03/17/25 14:49	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2468826	1	03/15/25 14:50	03/17/25 13:00	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2468980	5	03/14/25 18:20	03/17/25 22:39	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2469576	1	03/12/25 15:42	03/15/25 03:14	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2467865	1	03/12/25 15:42	03/13/25 07:56	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2470628	1	03/18/25 08:06	03/19/25 01:44	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2469458	1	03/18/25 07:54	03/19/25 02:18	ADF	Mt. Juliet, TN

FLOOR 4 FT L1834340-35 Solid

Collected by: Jordan Suttles
Collected date/time: 03/10/25 08:50
Received date/time: 03/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2468823	1	03/17/25 08:52	03/17/25 08:52	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2468387	1	03/13/25 17:22	03/14/25 16:13	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2470078	1	03/16/25 12:37	03/17/25 11:43	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2470086	1	03/16/25 12:40	03/17/25 15:16	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2468826	1	03/15/25 14:50	03/17/25 13:03	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2468980	5	03/14/25 18:20	03/17/25 22:42	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2469576	1	03/12/25 15:42	03/15/25 03:37	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2467865	1	03/12/25 15:42	03/13/25 08:15	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2470628	1	03/18/25 08:06	03/19/25 00:20	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2469458	1	03/18/25 07:54	03/19/25 02:38	KB	Mt. Juliet, TN

CASE NARRATIVE

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

Chris Ward
Project Manager

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.701		1	03/15/2025 15:03	WG2468822

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	03/13/2025 21:07	WG2467003

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.47	T8	1	03/15/2025 13:00	WG2469716

Sample Narrative:

L1834340-01 WG2469716: 7.47 at 20.3C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	388	umhos/cm		10.0	1	03/15/2025 15:00	WG2469717

Sample Narrative:

L1834340-01 WG2469717: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.686		0.200	1	03/17/2025 08:49	WG2468827

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.48		1.00	5	03/15/2025 00:19	WG2468981
Barium	134		2.50	5	03/15/2025 00:19	WG2468981
Cadmium	ND		1.00	5	03/15/2025 00:19	WG2468981
Copper	24.3		5.00	5	03/15/2025 00:19	WG2468981
Lead	24.9		2.00	5	03/15/2025 00:19	WG2468981
Nickel	9.54		2.50	5	03/15/2025 00:19	WG2468981
Selenium	ND		2.50	5	03/15/2025 00:19	WG2468981
Silver	ND		0.500	5	03/15/2025 00:19	WG2468981
Zinc	96.3		25.0	5	03/15/2025 00:19	WG2468981

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.92		1	03/15/2025 15:08	WG2468822

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	03/13/2025 21:17	WG2467003

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.02	T8	1	03/15/2025 13:00	WG2469716

Sample Narrative:

L1834340-02 WG2469716: 8.02 at 20.3C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	653	umhos/cm		10.0	1	03/15/2025 15:00	WG2469717

Sample Narrative:

L1834340-02 WG2469717: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.244		0.200	1	03/17/2025 08:57	WG2468827

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.50		1.00	5	03/15/2025 00:23	WG2468981
Barium	135		2.50	5	03/15/2025 00:23	WG2468981
Cadmium	ND		1.00	5	03/15/2025 00:23	WG2468981
Copper	17.9		5.00	5	03/15/2025 00:23	WG2468981
Lead	20.8		2.00	5	03/15/2025 00:23	WG2468981
Nickel	10.1		2.50	5	03/15/2025 00:23	WG2468981
Selenium	ND		2.50	5	03/15/2025 00:23	WG2468981
Silver	ND		0.500	5	03/15/2025 00:23	WG2468981
Zinc	76.5		25.0	5	03/15/2025 00:23	WG2468981

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.68		1	03/14/2025 14:06	WG2468490

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	03/13/2025 21:28	WG2467003

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.53	T8	1	03/14/2025 21:00	WG2469281

Sample Narrative:

L1834340-03 WG2469281: 7.53 at 20.3C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	637	umhos/cm		10.0	1	03/16/2025 15:41	WG2469285

Sample Narrative:

L1834340-03 WG2469285: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.861		0.200	1	03/14/2025 04:23	WG2468498

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.42		1.00	5	03/15/2025 00:26	WG2468981
Barium	134		2.50	5	03/15/2025 00:26	WG2468981
Cadmium	ND		1.00	5	03/15/2025 00:26	WG2468981
Copper	11.2		5.00	5	03/15/2025 00:26	WG2468981
Lead	9.21		2.00	5	03/15/2025 00:26	WG2468981
Nickel	9.00		2.50	5	03/15/2025 00:26	WG2468981
Selenium	ND		2.50	5	03/15/2025 00:26	WG2468981
Silver	ND		0.500	5	03/15/2025 00:26	WG2468981
Zinc	51.0		25.0	5	03/15/2025 00:26	WG2468981

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.59		1	03/14/2025 10:15	WG2468489

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	03/13/2025 21:38	WG2467003

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.71	T8	1	03/14/2025 12:34	WG2469074

Sample Narrative:

L1834340-04 WG2469074: 7.71 at 20.4C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	447	umhos/cm		10.0	1	03/14/2025 14:00	WG2469076

Sample Narrative:

L1834340-04 WG2469076: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.213		0.200	1	03/14/2025 09:27	WG2468493

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.38		1.00	5	03/15/2025 00:35	WG2468981
Barium	132		2.50	5	03/15/2025 00:35	WG2468981
Cadmium	ND		1.00	5	03/15/2025 00:35	WG2468981
Copper	24.0		5.00	5	03/15/2025 00:35	WG2468981
Lead	26.2		2.00	5	03/15/2025 00:35	WG2468981
Nickel	9.21		2.50	5	03/15/2025 00:35	WG2468981
Selenium	ND		2.50	5	03/15/2025 00:35	WG2468981
Silver	ND		0.500	5	03/15/2025 00:35	WG2468981
Zinc	99.2		25.0	5	03/15/2025 00:35	WG2468981

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.446		1	03/14/2025 10:16	WG2468489

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.862	.862	03/13/2025 21:49	WG2467003

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.11	T8	1	03/14/2025 12:34	WG2469079

Sample Narrative:

L1834340-05 WG2469079: 7.11 at 20.9C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	329	umhos/cm		10.0	1	03/14/2025 14:20	WG2469192

Sample Narrative:

L1834340-05 WG2469192: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.664		0.200	1	03/14/2025 09:29	WG2468493

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.95		1.00	5	03/15/2025 00:39	WG2468981
Barium	124		2.50	5	03/15/2025 00:39	WG2468981
Cadmium	ND		1.00	5	03/15/2025 00:39	WG2468981
Copper	19.2		5.00	5	03/15/2025 00:39	WG2468981
Lead	20.5		2.00	5	03/15/2025 00:39	WG2468981
Nickel	8.78		2.50	5	03/15/2025 00:39	WG2468981
Selenium	ND		2.50	5	03/15/2025 00:39	WG2468981
Silver	ND		0.500	5	03/15/2025 00:39	WG2468981
Zinc	85.5		25.0	5	03/15/2025 00:39	WG2468981

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.49		1	03/14/2025 00:46	WG2468488

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	03/13/2025 21:59	WG2467003

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.41	T8	1	03/14/2025 12:34	WG2469074

Sample Narrative:

L1834340-06 WG2469074: 7.41 at 20.6C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	301	umhos/cm		10.0	1	03/14/2025 14:00	WG2469076

Sample Narrative:

L1834340-06 WG2469076: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.513		0.200	1	03/14/2025 02:44	WG2468495

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.97		1.00	5	03/15/2025 00:42	WG2468981
Barium	113		2.50	5	03/15/2025 00:42	WG2468981
Cadmium	ND		1.00	5	03/15/2025 00:42	WG2468981
Copper	12.5		5.00	5	03/15/2025 00:42	WG2468981
Lead	13.0		2.00	5	03/15/2025 00:42	WG2468981
Nickel	8.29		2.50	5	03/15/2025 00:42	WG2468981
Selenium	ND		2.50	5	03/15/2025 00:42	WG2468981
Silver	ND		0.500	5	03/15/2025 00:42	WG2468981
Zinc	58.0		25.0	5	03/15/2025 00:42	WG2468981

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.92		1	03/14/2025 00:48	WG2468488

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	03/13/2025 22:31	WG2467003

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.72	T8	1	03/14/2025 12:34	WG2469079

Sample Narrative:

L1834340-07 WG2469079: 7.72 at 20.6C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	467	umhos/cm		10.0	1	03/14/2025 14:20	WG2469192

Sample Narrative:

L1834340-07 WG2469192: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.315		0.200	1	03/14/2025 02:45	WG2468495

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.27		1.00	5	03/15/2025 00:45	WG2468981
Barium	98.1		2.50	5	03/15/2025 00:45	WG2468981
Cadmium	ND		1.00	5	03/15/2025 00:45	WG2468981
Copper	9.88		5.00	5	03/15/2025 00:45	WG2468981
Lead	7.94		2.00	5	03/15/2025 00:45	WG2468981
Nickel	6.77		2.50	5	03/15/2025 00:45	WG2468981
Selenium	ND		2.50	5	03/15/2025 00:45	WG2468981
Silver	ND		0.500	5	03/15/2025 00:45	WG2468981
Zinc	44.9		25.0	5	03/15/2025 00:45	WG2468981

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.09		1	03/14/2025 00:53	WG2468488

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	03/14/2025 08:36	WG2468380

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.91	T8	1	03/14/2025 12:34	WG2469074

Sample Narrative:

L1834340-08 WG2469074: 7.91 at 20.9C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	734	umhos/cm		10.0	1	03/14/2025 14:00	WG2469076

Sample Narrative:

L1834340-08 WG2469076: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.324		0.200	1	03/14/2025 02:47	WG2468495

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.33		1.00	5	03/15/2025 00:50	WG2468981
Barium	99.1		2.50	5	03/15/2025 00:50	WG2468981
Cadmium	ND		1.00	5	03/15/2025 00:50	WG2468981
Copper	9.41		5.00	5	03/15/2025 00:50	WG2468981
Lead	8.99		2.00	5	03/15/2025 00:50	WG2468981
Nickel	7.14		2.50	5	03/15/2025 00:50	WG2468981
Selenium	ND		2.50	5	03/15/2025 00:50	WG2468981
Silver	ND		0.500	5	03/15/2025 00:50	WG2468981
Zinc	46.9		25.0	5	03/15/2025 00:50	WG2468981

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.296		1	03/14/2025 10:18	WG2468489

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	03/14/2025 08:46	WG2468380

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.62	T8	1	03/14/2025 12:34	WG2469074

Sample Narrative:

L1834340-09 WG2469074: 7.62 at 20.4C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	484	umhos/cm		10.0	1	03/14/2025 14:00	WG2469076

Sample Narrative:

L1834340-09 WG2469076: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.549		0.200	1	03/14/2025 09:30	WG2468493

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.87		1.00	5	03/15/2025 00:53	WG2468981
Barium	115		2.50	5	03/15/2025 00:53	WG2468981
Cadmium	ND		1.00	5	03/15/2025 00:53	WG2468981
Copper	13.4		5.00	5	03/15/2025 00:53	WG2468981
Lead	12.9		2.00	5	03/15/2025 00:53	WG2468981
Nickel	7.89		2.50	5	03/15/2025 00:53	WG2468981
Selenium	ND		2.50	5	03/15/2025 00:53	WG2468981
Silver	ND		0.500	5	03/15/2025 00:53	WG2468981
Zinc	62.3		25.0	5	03/15/2025 00:53	WG2468981

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.22		1	03/14/2025 00:55	WG2468488

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	03/14/2025 08:55	WG2468380

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.60	T8	1	03/14/2025 12:34	WG2469074

Sample Narrative:

L1834340-10 WG2469074: 7.6 at 20.4C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	376	umhos/cm		10.0	1	03/14/2025 14:00	WG2469076

Sample Narrative:

L1834340-10 WG2469076: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.441		0.200	1	03/14/2025 02:49	WG2468495

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.55		1.00	5	03/17/2025 21:02	WG2468980
Barium	85.1		2.50	5	03/17/2025 21:02	WG2468980
Cadmium	ND		1.00	5	03/17/2025 21:02	WG2468980
Copper	9.56		5.00	5	03/17/2025 21:02	WG2468980
Lead	9.66		2.00	5	03/17/2025 21:02	WG2468980
Nickel	6.02	O1	2.50	5	03/17/2025 21:02	WG2468980
Selenium	ND		2.50	5	03/17/2025 21:02	WG2468980
Silver	ND		0.500	5	03/17/2025 21:02	WG2468980
Zinc	48.4	O1	25.0	5	03/17/2025 21:02	WG2468980

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.12		1	03/14/2025 14:07	WG2468490

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	03/14/2025 09:05	WG2468380

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.93	T8	1	03/14/2025 21:00	WG2469281

Sample Narrative:

L1834340-11 WG2469281: 7.93 at 20.1C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	454	umhos/cm		10.0	1	03/16/2025 15:41	WG2469285

Sample Narrative:

L1834340-11 WG2469285: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.384		0.200	1	03/14/2025 04:24	WG2468498

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.68		1.00	5	03/15/2025 00:56	WG2468981
Barium	97.5		2.50	5	03/15/2025 00:56	WG2468981
Cadmium	ND		1.00	5	03/15/2025 00:56	WG2468981
Copper	11.1		5.00	5	03/15/2025 00:56	WG2468981
Lead	10.5		2.00	5	03/15/2025 00:56	WG2468981
Nickel	7.16		2.50	5	03/15/2025 00:56	WG2468981
Selenium	ND		2.50	5	03/15/2025 00:56	WG2468981
Silver	ND		0.500	5	03/15/2025 00:56	WG2468981
Zinc	53.7		25.0	5	03/15/2025 00:56	WG2468981

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.93		1	03/14/2025 10:19	WG2468489

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	03/14/2025 09:14	WG2468380

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.20	T8	1	03/14/2025 12:34	WG2469074

Sample Narrative:

L1834340-12 WG2469074: 8.2 at 20.2C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	349	umhos/cm		10.0	1	03/14/2025 14:00	WG2469076

Sample Narrative:

L1834340-12 WG2469076: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.215		0.200	1	03/14/2025 09:32	WG2468493

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.34		1.00	5	03/15/2025 00:59	WG2468981
Barium	91.8		2.50	5	03/15/2025 00:59	WG2468981
Cadmium	ND		1.00	5	03/15/2025 00:59	WG2468981
Copper	8.22		5.00	5	03/15/2025 00:59	WG2468981
Lead	8.32		2.00	5	03/15/2025 00:59	WG2468981
Nickel	6.20		2.50	5	03/15/2025 00:59	WG2468981
Selenium	ND		2.50	5	03/15/2025 00:59	WG2468981
Silver	ND		0.500	5	03/15/2025 00:59	WG2468981
Zinc	44.1		25.0	5	03/15/2025 00:59	WG2468981

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.0885		1	03/14/2025 14:09	WG2468490

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	03/14/2025 09:34	WG2468380

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.08	T8	1	03/14/2025 21:00	WG2469281

Sample Narrative:

L1834340-13 WG2469281: 7.08 at 20.1C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	297	umhos/cm		10.0	1	03/16/2025 15:41	WG2469285

Sample Narrative:

L1834340-13 WG2469285: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.523		0.200	1	03/14/2025 04:26	WG2468498

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.38		1.00	5	03/15/2025 01:02	WG2468981
Barium	101		2.50	5	03/15/2025 01:02	WG2468981
Cadmium	ND		1.00	5	03/15/2025 01:02	WG2468981
Copper	14.9		5.00	5	03/15/2025 01:02	WG2468981
Lead	15.6		2.00	5	03/15/2025 01:02	WG2468981
Nickel	8.36		2.50	5	03/15/2025 01:02	WG2468981
Selenium	ND		2.50	5	03/15/2025 01:02	WG2468981
Silver	ND		0.500	5	03/15/2025 01:02	WG2468981
Zinc	72.2		25.0	5	03/15/2025 01:02	WG2468981

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.125		1	03/14/2025 10:21	WG2468489

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	03/14/2025 09:43	WG2468380

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.33	T8	1	03/14/2025 12:34	WG2469074

Sample Narrative:

L1834340-14 WG2469074: 7.33 at 20.6C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	338	umhos/cm		10.0	1	03/14/2025 14:00	WG2469076

Sample Narrative:

L1834340-14 WG2469076: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.474		0.200	1	03/14/2025 09:34	WG2468493

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.84		1.00	5	03/15/2025 01:06	WG2468981
Barium	105		2.50	5	03/15/2025 01:06	WG2468981
Cadmium	ND		1.00	5	03/15/2025 01:06	WG2468981
Copper	14.2		5.00	5	03/15/2025 01:06	WG2468981
Lead	15.0		2.00	5	03/15/2025 01:06	WG2468981
Nickel	7.71		2.50	5	03/15/2025 01:06	WG2468981
Selenium	ND		2.50	5	03/15/2025 01:06	WG2468981
Silver	ND		0.500	5	03/15/2025 01:06	WG2468981
Zinc	70.1		25.0	5	03/15/2025 01:06	WG2468981

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.340		1	03/14/2025 00:56	WG2468488

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	03/14/2025 10:12	WG2468380

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.32	T8	1	03/14/2025 12:34	WG2469074

Sample Narrative:

L1834340-15 WG2469074: 7.32 at 20.3C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	410	umhos/cm		10.0	1	03/14/2025 14:00	WG2469076

Sample Narrative:

L1834340-15 WG2469076: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.527		0.200	1	03/14/2025 02:50	WG2468495

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.92		1.00	5	03/15/2025 01:15	WG2468981
Barium	79.8		2.50	5	03/15/2025 01:15	WG2468981
Cadmium	ND		1.00	5	03/15/2025 01:15	WG2468981
Copper	6.21		5.00	5	03/15/2025 01:15	WG2468981
Lead	5.97		2.00	5	03/15/2025 01:15	WG2468981
Nickel	5.39		2.50	5	03/15/2025 01:15	WG2468981
Selenium	ND		2.50	5	03/15/2025 01:15	WG2468981
Silver	ND		0.500	5	03/15/2025 01:15	WG2468981
Zinc	34.1		25.0	5	03/15/2025 01:15	WG2468981

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.353		1	03/14/2025 00:58	WG2468488

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	03/14/2025 11:00	WG2468380

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.27	T8	1	03/14/2025 12:34	WG2469079

Sample Narrative:

L1834340-16 WG2469079: 8.27 at 20.3C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	175	umhos/cm		10.0	1	03/14/2025 14:20	WG2469192

Sample Narrative:

L1834340-16 WG2469192: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	03/14/2025 02:52	WG2468495

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.00		1.00	5	03/15/2025 01:18	WG2468981
Barium	79.8		2.50	5	03/15/2025 01:18	WG2468981
Cadmium	ND		1.00	5	03/15/2025 01:18	WG2468981
Copper	7.53		5.00	5	03/15/2025 01:18	WG2468981
Lead	8.16		2.00	5	03/15/2025 01:18	WG2468981
Nickel	5.61		2.50	5	03/15/2025 01:18	WG2468981
Selenium	ND		2.50	5	03/15/2025 01:18	WG2468981
Silver	ND		0.500	5	03/15/2025 01:18	WG2468981
Zinc	37.8		25.0	5	03/15/2025 01:18	WG2468981

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.385		1	03/14/2025 10:23	WG2468489

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	03/14/2025 11:10	WG2468380

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.67	T8	1	03/14/2025 12:34	WG2469079

Sample Narrative:

L1834340-17 WG2469079: 7.67 at 20.3C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	499	umhos/cm		10.0	1	03/14/2025 14:20	WG2469192

Sample Narrative:

L1834340-17 WG2469192: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.840		0.200	1	03/14/2025 09:35	WG2468493

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.30		1.00	5	03/17/2025 21:18	WG2468980
Barium	120		2.50	5	03/17/2025 21:18	WG2468980
Cadmium	ND		1.00	5	03/17/2025 21:18	WG2468980
Copper	18.2		5.00	5	03/17/2025 21:18	WG2468980
Lead	20.9		2.00	5	03/17/2025 21:18	WG2468980
Nickel	8.93		2.50	5	03/17/2025 21:18	WG2468980
Selenium	ND		2.50	5	03/17/2025 21:18	WG2468980
Silver	ND		0.500	5	03/17/2025 21:18	WG2468980
Zinc	87.3		25.0	5	03/17/2025 21:18	WG2468980

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.46		1	03/14/2025 10:24	WG2468489

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	03/14/2025 11:20	WG2468380

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.90	T8	1	03/14/2025 12:34	WG2469074

Sample Narrative:

L1834340-18 WG2469074: 7.9 at 20.4C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	529	umhos/cm		10.0	1	03/14/2025 14:00	WG2469076

Sample Narrative:

L1834340-18 WG2469076: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.575		0.200	1	03/14/2025 09:40	WG2468493

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.11		1.00	5	03/17/2025 21:21	WG2468980
Barium	142		2.50	5	03/17/2025 21:21	WG2468980
Cadmium	ND		1.00	5	03/17/2025 21:21	WG2468980
Copper	12.7		5.00	5	03/17/2025 21:21	WG2468980
Lead	11.1		2.00	5	03/17/2025 21:21	WG2468980
Nickel	9.80		2.50	5	03/17/2025 21:21	WG2468980
Selenium	ND		2.50	5	03/17/2025 21:21	WG2468980
Silver	ND		0.500	5	03/17/2025 21:21	WG2468980
Zinc	57.9		25.0	5	03/17/2025 21:21	WG2468980

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.58		1	03/14/2025 01:00	WG2468488

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	03/14/2025 11:29	WG2468380

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.41	T8	1	03/14/2025 12:34	WG2469079

Sample Narrative:

L1834340-19 WG2469079: 7.41 at 20.6C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	374	umhos/cm		10.0	1	03/14/2025 14:20	WG2469192

Sample Narrative:

L1834340-19 WG2469192: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	03/14/2025 02:54	WG2468495

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.81		1.00	5	03/17/2025 21:24	WG2468980
Barium	145		2.50	5	03/17/2025 21:24	WG2468980
Cadmium	ND		1.00	5	03/17/2025 21:24	WG2468980
Copper	11.7		5.00	5	03/17/2025 21:24	WG2468980
Lead	11.2		2.00	5	03/17/2025 21:24	WG2468980
Nickel	7.19		2.50	5	03/17/2025 21:24	WG2468980
Selenium	ND		2.50	5	03/17/2025 21:24	WG2468980
Silver	ND		0.500	5	03/17/2025 21:24	WG2468980
Zinc	49.3		25.0	5	03/17/2025 21:24	WG2468980

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.66		1	03/14/2025 01:01	WG2468488

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	03/14/2025 11:39	WG2468380

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.15	T8	1	03/14/2025 12:34	WG2469079

Sample Narrative:

L1834340-20 WG2469079: 8.15 at 20.3C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	370	umhos/cm		10.0	1	03/14/2025 14:20	WG2469192

Sample Narrative:

L1834340-20 WG2469192: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	03/14/2025 02:55	WG2468495

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	ND		1.00	5	03/17/2025 21:49	WG2468980
Barium	24.2		2.50	5	03/17/2025 21:49	WG2468980
Cadmium	ND		1.00	5	03/17/2025 21:49	WG2468980
Copper	ND		5.00	5	03/17/2025 21:49	WG2468980
Lead	2.48		2.00	5	03/17/2025 21:49	WG2468980
Nickel	ND		2.50	5	03/17/2025 21:49	WG2468980
Selenium	ND		2.50	5	03/17/2025 21:49	WG2468980
Silver	ND		0.500	5	03/17/2025 21:49	WG2468980
Zinc	ND		25.0	5	03/17/2025 21:49	WG2468980

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.29		1	03/14/2025 01:03	WG2468488

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	03/14/2025 12:17	WG2468380

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.63	T8	1	03/14/2025 12:34	WG2469079

Sample Narrative:
L1834340-21 WG2469079: 7.63 at 19.9C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	2040	umhos/cm		10.0	1	03/14/2025 14:20	WG2469192

Sample Narrative:
L1834340-21 WG2469192: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.411		0.200	1	03/14/2025 02:57	WG2468495

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.74		1.00	5	03/17/2025 21:52	WG2468980
Barium	86.9		2.50	5	03/17/2025 21:52	WG2468980
Cadmium	ND		1.00	5	03/17/2025 21:52	WG2468980
Copper	20.5		5.00	5	03/17/2025 21:52	WG2468980
Lead	25.1		2.00	5	03/17/2025 21:52	WG2468980
Nickel	7.53		2.50	5	03/17/2025 21:52	WG2468980
Selenium	ND		2.50	5	03/17/2025 21:52	WG2468980
Silver	ND		0.500	5	03/17/2025 21:52	WG2468980
Zinc	73.2		25.0	5	03/17/2025 21:52	WG2468980

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.109	B	0.100	1	03/14/2025 17:02	WG2469346
(S) a,a,a-Trifluorotoluene(FID)	*95.1*		*77.0-120*		*03/14/2025 17:02*	WG2469346

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	03/13/2025 03:49	WG2467865
Ethylbenzene	ND		0.00250	1	03/13/2025 03:49	WG2467865
Toluene	ND		0.00500	1	03/13/2025 03:49	WG2467865
1,2,4-Trimethylbenzene	0.00505		0.00500	1	03/13/2025 03:49	WG2467865
1,3,5-Trimethylbenzene	ND		0.00500	1	03/13/2025 03:49	WG2467865
Xylenes, Total	0.0131		0.00650	1	03/13/2025 03:49	WG2467865
(S) Toluene-d8	*101*		*75.0-131*		*03/13/2025 03:49*	WG2467865
(S) 4-Bromofluorobenzene	*94.8*		*67.0-138*		*03/13/2025 03:49*	WG2467865
(S) 1,2-Dichloroethane-d4	*108*		*70.0-130*		*03/13/2025 03:49*	WG2467865

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	4.21		4.00	1	03/19/2025 14:06	WG2470285
C28-C36 Motor Oil Range	22.6		4.00	1	03/19/2025 14:06	WG2470285
(S) o-Terphenyl	*71.7*		*18.0-148*		*03/19/2025 14:06*	WG2470285

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	03/17/2025 23:24	WG2469456
Acenaphthene	ND		0.00600	1	03/17/2025 23:24	WG2469456
Benzo(a)anthracene	0.00864		0.00600	1	03/17/2025 23:24	WG2469456
Benzo(a)pyrene	0.00972		0.00600	1	03/17/2025 23:24	WG2469456
Benzo(b)fluoranthene	0.0135		0.00600	1	03/17/2025 23:24	WG2469456
Benzo(k)fluoranthene	ND		0.00600	1	03/17/2025 23:24	WG2469456
Chrysene	0.0120		0.00600	1	03/17/2025 23:24	WG2469456
Dibenz(a,h)anthracene	ND		0.00600	1	03/17/2025 23:24	WG2469456
Fluoranthene	0.00949		0.00600	1	03/17/2025 23:24	WG2469456
Fluorene	ND		0.00600	1	03/17/2025 23:24	WG2469456
Indeno(1,2,3-cd)pyrene	0.00896		0.00600	1	03/17/2025 23:24	WG2469456
Naphthalene	ND		0.0200	1	03/17/2025 23:24	WG2469456
Pyrene	0.0151		0.00600	1	03/17/2025 23:24	WG2469456
1-Methylnaphthalene	ND		0.0200	1	03/17/2025 23:24	WG2469456
2-Methylnaphthalene	ND		0.0200	1	03/17/2025 23:24	WG2469456
(S) p-Terphenyl-d14	*80.0*		*23.0-120*		*03/17/2025 23:24*	WG2469456
(S) Nitrobenzene-d5	*81.9*		*14.0-149*		*03/17/2025 23:24*	WG2469456
(S) 2-Fluorobiphenyl	*78.4*		*34.0-125*		*03/17/2025 23:24*	WG2469456

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.808		1	03/14/2025 01:05	WG2468488

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	03/14/2025 12:27	WG2468380

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.51	T8	1	03/14/2025 12:34	WG2469074

Sample Narrative:

L1834340-22 WG2469074: 7.51 at 20.2C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	685	umhos/cm		10.0	1	03/14/2025 14:00	WG2469076

Sample Narrative:

L1834340-22 WG2469076: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.411		0.200	1	03/14/2025 02:59	WG2468495

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.71		1.00	5	03/17/2025 21:55	WG2468980
Barium	134		2.50	5	03/17/2025 21:55	WG2468980
Cadmium	ND		1.00	5	03/17/2025 21:55	WG2468980
Copper	19.3		5.00	5	03/17/2025 21:55	WG2468980
Lead	22.0		2.00	5	03/17/2025 21:55	WG2468980
Nickel	8.47		2.50	5	03/17/2025 21:55	WG2468980
Selenium	ND		2.50	5	03/17/2025 21:55	WG2468980
Silver	ND		0.500	5	03/17/2025 21:55	WG2468980
Zinc	81.5		25.0	5	03/17/2025 21:55	WG2468980

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	03/14/2025 17:25	WG2469346
(S) a,a,a-Trifluorotoluene(FID)	*96.1*		*77.0-120*		*03/14/2025 17:25*	WG2469346

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	03/13/2025 04:08	WG2467865
Ethylbenzene	ND		0.00250	1	03/13/2025 04:08	WG2467865
Toluene	ND		0.00500	1	03/13/2025 04:08	WG2467865
1,2,4-Trimethylbenzene	ND		0.00500	1	03/13/2025 04:08	WG2467865
1,3,5-Trimethylbenzene	ND		0.00500	1	03/13/2025 04:08	WG2467865
Xylenes, Total	ND		0.00650	1	03/13/2025 04:08	WG2467865
(S) Toluene-d8	*99.9*		*75.0-131*		*03/13/2025 04:08*	WG2467865
(S) 4-Bromofluorobenzene	*94.4*		*67.0-138*		*03/13/2025 04:08*	WG2467865
(S) 1,2-Dichloroethane-d4	*111*		*70.0-130*		*03/13/2025 04:08*	WG2467865

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	7.82		4.00	1	03/19/2025 01:02	WG2470628
C28-C36 Motor Oil Range	41.1		4.00	1	03/19/2025 01:02	WG2470628
(S) o-Terphenyl	*53.8*		*18.0-148*		*03/19/2025 01:02*	WG2470628

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	03/17/2025 23:43	WG2469456
Acenaphthene	ND		0.00600	1	03/17/2025 23:43	WG2469456
Benzo(a)anthracene	ND		0.00600	1	03/17/2025 23:43	WG2469456
Benzo(a)pyrene	ND		0.00600	1	03/17/2025 23:43	WG2469456
Benzo(b)fluoranthene	0.00616		0.00600	1	03/17/2025 23:43	WG2469456
Benzo(k)fluoranthene	ND		0.00600	1	03/17/2025 23:43	WG2469456
Chrysene	ND		0.00600	1	03/17/2025 23:43	WG2469456
Dibenz(a,h)anthracene	ND		0.00600	1	03/17/2025 23:43	WG2469456
Fluoranthene	0.00804		0.00600	1	03/17/2025 23:43	WG2469456
Fluorene	ND		0.00600	1	03/17/2025 23:43	WG2469456
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	03/17/2025 23:43	WG2469456
Naphthalene	ND		0.0200	1	03/17/2025 23:43	WG2469456
Pyrene	0.00799		0.00600	1	03/17/2025 23:43	WG2469456
1-Methylnaphthalene	ND		0.0200	1	03/17/2025 23:43	WG2469456
2-Methylnaphthalene	ND		0.0200	1	03/17/2025 23:43	WG2469456
(S) p-Terphenyl-d14	*84.6*		*23.0-120*		*03/17/2025 23:43*	WG2469456
(S) Nitrobenzene-d5	*92.8*		*14.0-149*		*03/17/2025 23:43*	WG2469456
(S) 2-Fluorobiphenyl	*87.5*		*34.0-125*		*03/17/2025 23:43*	WG2469456

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.613		1	03/17/2025 08:12	WG2468823

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	03/14/2025 12:37	WG2468380

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.42	T8	1	03/17/2025 12:37	WG2470072

Sample Narrative:

L1834340-23 WG2470072: 7.42 at 20.5C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	556	umhos/cm		10.0	1	03/17/2025 14:49	WG2470075

Sample Narrative:

L1834340-23 WG2470075: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.323		0.200	1	03/17/2025 12:23	WG2468826

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.17		1.00	5	03/17/2025 21:58	WG2468980
Barium	109		2.50	5	03/17/2025 21:58	WG2468980
Cadmium	ND		1.00	5	03/17/2025 21:58	WG2468980
Copper	10.1		5.00	5	03/17/2025 21:58	WG2468980
Lead	11.0		2.00	5	03/17/2025 21:58	WG2468980
Nickel	5.33		2.50	5	03/17/2025 21:58	WG2468980
Selenium	ND		2.50	5	03/17/2025 21:58	WG2468980
Silver	ND		0.500	5	03/17/2025 21:58	WG2468980
Zinc	44.7		25.0	5	03/17/2025 21:58	WG2468980

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	03/14/2025 17:47	WG2469346
(S) a,a,a-Trifluorotoluene(FID)	*96.4*		*77.0-120*		*03/14/2025 17:47*	WG2469346

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	03/13/2025 04:27	WG2467865
Ethylbenzene	ND		0.00250	1	03/13/2025 04:27	WG2467865
Toluene	ND		0.00500	1	03/13/2025 04:27	WG2467865
1,2,4-Trimethylbenzene	ND		0.00500	1	03/13/2025 04:27	WG2467865
1,3,5-Trimethylbenzene	ND		0.00500	1	03/13/2025 04:27	WG2467865
Xylenes, Total	0.0120		0.00650	1	03/13/2025 04:27	WG2467865
(S) Toluene-d8	*101*		*75.0-131*		*03/13/2025 04:27*	WG2467865
(S) 4-Bromofluorobenzene	*95.8*		*67.0-138*		*03/13/2025 04:27*	WG2467865
(S) 1,2-Dichloroethane-d4	*110*		*70.0-130*		*03/13/2025 04:27*	WG2467865

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	6.15		4.00	1	03/19/2025 00:48	WG2470628
C28-C36 Motor Oil Range	17.3		4.00	1	03/19/2025 00:48	WG2470628
(S) o-Terphenyl	*59.6*		*18.0-148*		*03/19/2025 00:48*	WG2470628

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	03/18/2025 00:03	WG2469456
Acenaphthene	ND		0.00600	1	03/18/2025 00:03	WG2469456
Benzo(a)anthracene	ND		0.00600	1	03/18/2025 00:03	WG2469456
Benzo(a)pyrene	ND		0.00600	1	03/18/2025 00:03	WG2469456
Benzo(b)fluoranthene	ND		0.00600	1	03/18/2025 00:03	WG2469456
Benzo(k)fluoranthene	ND		0.00600	1	03/18/2025 00:03	WG2469456
Chrysene	ND		0.00600	1	03/18/2025 00:03	WG2469456
Dibenz(a,h)anthracene	ND		0.00600	1	03/18/2025 00:03	WG2469456
Fluoranthene	ND		0.00600	1	03/18/2025 00:03	WG2469456
Fluorene	ND		0.00600	1	03/18/2025 00:03	WG2469456
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	03/18/2025 00:03	WG2469456
Naphthalene	ND		0.0200	1	03/18/2025 00:03	WG2469456
Pyrene	ND		0.00600	1	03/18/2025 00:03	WG2469456
1-Methylnaphthalene	ND		0.0200	1	03/18/2025 00:03	WG2469456
2-Methylnaphthalene	ND		0.0200	1	03/18/2025 00:03	WG2469456
(S) p-Terphenyl-d14	*63.9*		*23.0-120*		*03/18/2025 00:03*	WG2469456
(S) Nitrobenzene-d5	*70.6*		*14.0-149*		*03/18/2025 00:03*	WG2469456
(S) 2-Fluorobiphenyl	*63.4*		*34.0-125*		*03/18/2025 00:03*	WG2469456

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.438		1	03/17/2025 08:15	WG2468823

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	03/14/2025 12:46	WG2468380

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.57	T8	1	03/17/2025 12:37	WG2470072

Sample Narrative:

L1834340-24 WG2470072: 7.57 at 20.4C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	350	umhos/cm		10.0	1	03/17/2025 14:49	WG2470075

Sample Narrative:

L1834340-24 WG2470075: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	03/17/2025 12:26	WG2468826

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.89		1.00	5	03/17/2025 22:02	WG2468980
Barium	85.4		2.50	5	03/17/2025 22:02	WG2468980
Cadmium	ND		1.00	5	03/17/2025 22:02	WG2468980
Copper	8.32		5.00	5	03/17/2025 22:02	WG2468980
Lead	10.8		2.00	5	03/17/2025 22:02	WG2468980
Nickel	4.39		2.50	5	03/17/2025 22:02	WG2468980
Selenium	ND		2.50	5	03/17/2025 22:02	WG2468980
Silver	ND		0.500	5	03/17/2025 22:02	WG2468980
Zinc	34.7		25.0	5	03/17/2025 22:02	WG2468980

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	03/14/2025 18:10	WG2469346
(S) a,a,a-Trifluorotoluene(FID)	*95.9*		*77.0-120*		*03/14/2025 18:10*	WG2469346

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	03/13/2025 04:46	WG2467865
Ethylbenzene	ND		0.00250	1	03/13/2025 04:46	WG2467865
Toluene	ND		0.00500	1	03/13/2025 04:46	WG2467865
1,2,4-Trimethylbenzene	ND		0.00500	1	03/13/2025 04:46	WG2467865
1,3,5-Trimethylbenzene	ND		0.00500	1	03/13/2025 04:46	WG2467865
Xylenes, Total	ND		0.00650	1	03/13/2025 04:46	WG2467865
(S) Toluene-d8	*102*		*75.0-131*		*03/13/2025 04:46*	WG2467865
(S) 4-Bromofluorobenzene	*95.3*		*67.0-138*		*03/13/2025 04:46*	WG2467865
(S) 1,2-Dichloroethane-d4	*111*		*70.0-130*		*03/13/2025 04:46*	WG2467865

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	6.02		4.00	1	03/19/2025 12:56	WG2470628
C28-C36 Motor Oil Range	36.8		4.00	1	03/19/2025 12:56	WG2470628
(S) o-Terphenyl	*61.6*		*18.0-148*		*03/19/2025 12:56*	WG2470628

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	03/18/2025 01:01	WG2469456
Acenaphthene	ND		0.00600	1	03/18/2025 01:01	WG2469456
Benzo(a)anthracene	ND		0.00600	1	03/18/2025 01:01	WG2469456
Benzo(a)pyrene	ND		0.00600	1	03/18/2025 01:01	WG2469456
Benzo(b)fluoranthene	ND		0.00600	1	03/18/2025 01:01	WG2469456
Benzo(k)fluoranthene	ND		0.00600	1	03/18/2025 01:01	WG2469456
Chrysene	ND		0.00600	1	03/18/2025 01:01	WG2469456
Dibenz(a,h)anthracene	ND		0.00600	1	03/18/2025 01:01	WG2469456
Fluoranthene	ND		0.00600	1	03/18/2025 01:01	WG2469456
Fluorene	ND		0.00600	1	03/18/2025 01:01	WG2469456
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	03/18/2025 01:01	WG2469456
Naphthalene	ND		0.0200	1	03/18/2025 01:01	WG2469456
Pyrene	ND		0.00600	1	03/18/2025 01:01	WG2469456
1-Methylnaphthalene	ND		0.0200	1	03/18/2025 01:01	WG2469456
2-Methylnaphthalene	ND		0.0200	1	03/18/2025 01:01	WG2469456
(S) p-Terphenyl-d14	*73.0*		*23.0-120*		*03/18/2025 01:01*	WG2469456
(S) Nitrobenzene-d5	*77.5*		*14.0-149*		*03/18/2025 01:01*	WG2469456
(S) 2-Fluorobiphenyl	*73.2*		*34.0-125*		*03/18/2025 01:01*	WG2469456

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.19		1	03/17/2025 08:18	WG2468823

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	03/14/2025 12:56	WG2468380

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.41	T8	1	03/17/2025 12:37	WG2470072

Sample Narrative:

L1834340-25 WG2470072: 7.41 at 20.3C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	808	umhos/cm		10.0	1	03/17/2025 14:49	WG2470075

Sample Narrative:

L1834340-25 WG2470075: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.282		0.200	1	03/17/2025 12:29	WG2468826

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.59		1.00	5	03/17/2025 22:05	WG2468980
Barium	88.4		2.50	5	03/17/2025 22:05	WG2468980
Cadmium	ND		1.00	5	03/17/2025 22:05	WG2468980
Copper	20.2		5.00	5	03/17/2025 22:05	WG2468980
Lead	24.8		2.00	5	03/17/2025 22:05	WG2468980
Nickel	7.47		2.50	5	03/17/2025 22:05	WG2468980
Selenium	ND		2.50	5	03/17/2025 22:05	WG2468980
Silver	ND		0.500	5	03/17/2025 22:05	WG2468980
Zinc	71.6		25.0	5	03/17/2025 22:05	WG2468980

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	03/14/2025 18:32	WG2469346
(S) a,a,a-Trifluorotoluene(FID)	*95.8*		*77.0-120*		*03/14/2025 18:32*	WG2469346

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	03/13/2025 05:05	WG2467865
Ethylbenzene	ND		0.00250	1	03/13/2025 05:05	WG2467865
Toluene	ND		0.00500	1	03/13/2025 05:05	WG2467865
1,2,4-Trimethylbenzene	ND		0.00500	1	03/13/2025 05:05	WG2467865
1,3,5-Trimethylbenzene	ND		0.00500	1	03/13/2025 05:05	WG2467865
Xylenes, Total	ND		0.00650	1	03/13/2025 05:05	WG2467865
(S) Toluene-d8	*99.8*		*75.0-131*		*03/13/2025 05:05*	WG2467865
(S) 4-Bromofluorobenzene	*95.1*		*67.0-138*		*03/13/2025 05:05*	WG2467865
(S) 1,2-Dichloroethane-d4	*112*		*70.0-130*		*03/13/2025 05:05*	WG2467865

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	4.89		4.00	1	03/19/2025 12:28	WG2470628
C28-C36 Motor Oil Range	23.9		4.00	1	03/19/2025 12:28	WG2470628
(S) o-Terphenyl	*64.3*		*18.0-148*		*03/19/2025 12:28*	WG2470628

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	03/18/2025 01:21	WG2469456
Acenaphthene	ND		0.00600	1	03/18/2025 01:21	WG2469456
Benzo(a)anthracene	0.00722		0.00600	1	03/18/2025 01:21	WG2469456
Benzo(a)pyrene	0.00932		0.00600	1	03/18/2025 01:21	WG2469456
Benzo(b)fluoranthene	0.0121		0.00600	1	03/18/2025 01:21	WG2469456
Benzo(k)fluoranthene	ND		0.00600	1	03/18/2025 01:21	WG2469456
Chrysene	0.00889		0.00600	1	03/18/2025 01:21	WG2469456
Dibenz(a,h)anthracene	ND		0.00600	1	03/18/2025 01:21	WG2469456
Fluoranthene	0.0122		0.00600	1	03/18/2025 01:21	WG2469456
Fluorene	ND		0.00600	1	03/18/2025 01:21	WG2469456
Indeno(1,2,3-cd)pyrene	0.00749		0.00600	1	03/18/2025 01:21	WG2469456
Naphthalene	ND		0.0200	1	03/18/2025 01:21	WG2469456
Pyrene	0.0151		0.00600	1	03/18/2025 01:21	WG2469456
1-Methylnaphthalene	ND		0.0200	1	03/18/2025 01:21	WG2469456
2-Methylnaphthalene	ND		0.0200	1	03/18/2025 01:21	WG2469456
(S) p-Terphenyl-d14	*84.3*		*23.0-120*		*03/18/2025 01:21*	WG2469456
(S) Nitrobenzene-d5	*86.9*		*14.0-149*		*03/18/2025 01:21*	WG2469456
(S) 2-Fluorobiphenyl	*82.8*		*34.0-125*		*03/18/2025 01:21*	WG2469456

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.34		1	03/17/2025 08:21	WG2468823

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	03/14/2025 13:06	WG2468380

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.51	T8	1	03/17/2025 12:37	WG2470072

Sample Narrative:

L1834340-26 WG2470072: 7.51 at 20.4C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	435	umhos/cm		10.0	1	03/17/2025 14:49	WG2470075

Sample Narrative:

L1834340-26 WG2470075: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.380		0.200	1	03/17/2025 12:32	WG2468826

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.53		1.00	5	03/17/2025 22:15	WG2468980
Barium	112		2.50	5	03/17/2025 22:15	WG2468980
Cadmium	ND		1.00	5	03/17/2025 22:15	WG2468980
Copper	15.5		5.00	5	03/17/2025 22:15	WG2468980
Lead	18.0		2.00	5	03/17/2025 22:15	WG2468980
Nickel	8.12		2.50	5	03/17/2025 22:15	WG2468980
Selenium	ND		2.50	5	03/17/2025 22:15	WG2468980
Silver	ND		0.500	5	03/17/2025 22:15	WG2468980
Zinc	61.3		25.0	5	03/17/2025 22:15	WG2468980

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	03/14/2025 18:55	WG2469346
(S) a,a,a-Trifluorotoluene(FID)	*96.4*		*77.0-120*		*03/14/2025 18:55*	WG2469346

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	03/13/2025 05:24	WG2467865
Ethylbenzene	ND		0.00250	1	03/13/2025 05:24	WG2467865
Toluene	ND		0.00500	1	03/13/2025 05:24	WG2467865
1,2,4-Trimethylbenzene	ND		0.00500	1	03/13/2025 05:24	WG2467865
1,3,5-Trimethylbenzene	ND		0.00500	1	03/13/2025 05:24	WG2467865
Xylenes, Total	ND		0.00650	1	03/13/2025 05:24	WG2467865
(S) Toluene-d8	*100*		*75.0-131*		*03/13/2025 05:24*	WG2467865
(S) 4-Bromofluorobenzene	*96.5*		*67.0-138*		*03/13/2025 05:24*	WG2467865
(S) 1,2-Dichloroethane-d4	*113*		*70.0-130*		*03/13/2025 05:24*	WG2467865

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	03/19/2025 00:06	WG2470628
C28-C36 Motor Oil Range	7.59		4.00	1	03/19/2025 00:06	WG2470628
(S) o-Terphenyl	*67.2*		*18.0-148*		*03/19/2025 00:06*	WG2470628

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	03/18/2025 01:40	WG2469456
Acenaphthene	ND		0.00600	1	03/18/2025 01:40	WG2469456
Benzo(a)anthracene	ND		0.00600	1	03/18/2025 01:40	WG2469456
Benzo(a)pyrene	ND		0.00600	1	03/18/2025 01:40	WG2469456
Benzo(b)fluoranthene	ND		0.00600	1	03/18/2025 01:40	WG2469456
Benzo(k)fluoranthene	ND		0.00600	1	03/18/2025 01:40	WG2469456
Chrysene	ND		0.00600	1	03/18/2025 01:40	WG2469456
Dibenz(a,h)anthracene	ND		0.00600	1	03/18/2025 01:40	WG2469456
Fluoranthene	ND		0.00600	1	03/18/2025 01:40	WG2469456
Fluorene	ND		0.00600	1	03/18/2025 01:40	WG2469456
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	03/18/2025 01:40	WG2469456
Naphthalene	ND		0.0200	1	03/18/2025 01:40	WG2469456
Pyrene	ND		0.00600	1	03/18/2025 01:40	WG2469456
1-Methylnaphthalene	ND		0.0200	1	03/18/2025 01:40	WG2469456
2-Methylnaphthalene	ND		0.0200	1	03/18/2025 01:40	WG2469456
(S) p-Terphenyl-d14	*87.7*		*23.0-120*		*03/18/2025 01:40*	WG2469456
(S) Nitrobenzene-d5	*95.9*		*14.0-149*		*03/18/2025 01:40*	WG2469456
(S) 2-Fluorobiphenyl	*89.1*		*34.0-125*		*03/18/2025 01:40*	WG2469456

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.46		1	03/17/2025 08:23	WG2468823

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	03/14/2025 13:15	WG2468380

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.60	T8	1	03/17/2025 12:37	WG2470072

Sample Narrative:

L1834340-27 WG2470072: 7.6 at 20.2C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	527	umhos/cm		10.0	1	03/17/2025 14:49	WG2470075

Sample Narrative:

L1834340-27 WG2470075: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.284		0.200	1	03/17/2025 12:35	WG2468826

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.05		1.00	5	03/17/2025 22:18	WG2468980
Barium	94.5		2.50	5	03/17/2025 22:18	WG2468980
Cadmium	ND		1.00	5	03/17/2025 22:18	WG2468980
Copper	9.45		5.00	5	03/17/2025 22:18	WG2468980
Lead	9.70		2.00	5	03/17/2025 22:18	WG2468980
Nickel	7.16		2.50	5	03/17/2025 22:18	WG2468980
Selenium	ND		2.50	5	03/17/2025 22:18	WG2468980
Silver	ND		0.500	5	03/17/2025 22:18	WG2468980
Zinc	46.1		25.0	5	03/17/2025 22:18	WG2468980

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	03/14/2025 19:17	WG2469346
(S) a,a,a-Trifluorotoluene(FID)	*96.6*		*77.0-120*		*03/14/2025 19:17*	WG2469346

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	03/13/2025 05:43	WG2467865
Ethylbenzene	ND		0.00250	1	03/13/2025 05:43	WG2467865
Toluene	ND		0.00500	1	03/13/2025 05:43	WG2467865
1,2,4-Trimethylbenzene	ND		0.00500	1	03/13/2025 05:43	WG2467865
1,3,5-Trimethylbenzene	ND		0.00500	1	03/13/2025 05:43	WG2467865
Xylenes, Total	ND		0.00650	1	03/13/2025 05:43	WG2467865
(S) Toluene-d8	*101*		*75.0-131*		*03/13/2025 05:43*	WG2467865
(S) 4-Bromofluorobenzene	*95.3*		*67.0-138*		*03/13/2025 05:43*	WG2467865
(S) 1,2-Dichloroethane-d4	*113*		*70.0-130*		*03/13/2025 05:43*	WG2467865

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	03/18/2025 23:10	WG2470628
C28-C36 Motor Oil Range	ND		4.00	1	03/18/2025 23:10	WG2470628
(S) o-Terphenyl	*56.0*		*18.0-148*		*03/18/2025 23:10*	WG2470628

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	03/18/2025 02:00	WG2469456
Acenaphthene	ND		0.00600	1	03/18/2025 02:00	WG2469456
Benzo(a)anthracene	ND		0.00600	1	03/18/2025 02:00	WG2469456
Benzo(a)pyrene	ND		0.00600	1	03/18/2025 02:00	WG2469456
Benzo(b)fluoranthene	ND		0.00600	1	03/18/2025 02:00	WG2469456
Benzo(k)fluoranthene	ND		0.00600	1	03/18/2025 02:00	WG2469456
Chrysene	ND		0.00600	1	03/18/2025 02:00	WG2469456
Dibenz(a,h)anthracene	ND		0.00600	1	03/18/2025 02:00	WG2469456
Fluoranthene	ND		0.00600	1	03/18/2025 02:00	WG2469456
Fluorene	ND		0.00600	1	03/18/2025 02:00	WG2469456
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	03/18/2025 02:00	WG2469456
Naphthalene	ND		0.0200	1	03/18/2025 02:00	WG2469456
Pyrene	ND		0.00600	1	03/18/2025 02:00	WG2469456
1-Methylnaphthalene	ND		0.0200	1	03/18/2025 02:00	WG2469456
2-Methylnaphthalene	ND		0.0200	1	03/18/2025 02:00	WG2469456
(S) p-Terphenyl-d14	*83.0*		*23.0-120*		*03/18/2025 02:00*	WG2469456
(S) Nitrobenzene-d5	*86.8*		*14.0-149*		*03/18/2025 02:00*	WG2469456
(S) 2-Fluorobiphenyl	*81.9*		*34.0-125*		*03/18/2025 02:00*	WG2469456

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.47		1	03/17/2025 08:26	WG2468823

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	03/14/2025 14:05	WG2468387

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.08	T8	1	03/17/2025 12:37	WG2470072

Sample Narrative:

L1834340-28 WG2470072: 8.08 at 20.4C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	223	umhos/cm		10.0	1	03/17/2025 14:49	WG2470075

Sample Narrative:

L1834340-28 WG2470075: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	03/17/2025 12:38	WG2468826

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.03		1.00	5	03/17/2025 22:23	WG2468980
Barium	96.9		2.50	5	03/17/2025 22:23	WG2468980
Cadmium	ND		1.00	5	03/17/2025 22:23	WG2468980
Copper	9.52		5.00	5	03/17/2025 22:23	WG2468980
Lead	11.3		2.00	5	03/17/2025 22:23	WG2468980
Nickel	6.25		2.50	5	03/17/2025 22:23	WG2468980
Selenium	ND		2.50	5	03/17/2025 22:23	WG2468980
Silver	ND		0.500	5	03/17/2025 22:23	WG2468980
Zinc	44.6		25.0	5	03/17/2025 22:23	WG2468980

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.120	B	0.100	1	03/14/2025 19:39	WG2469346
(S) a,a,a-Trifluorotoluene(FID)	*96.8*		*77.0-120*		*03/14/2025 19:39*	WG2469346

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	03/13/2025 06:02	WG2467865
Ethylbenzene	ND		0.00250	1	03/13/2025 06:02	WG2467865
Toluene	ND		0.00500	1	03/13/2025 06:02	WG2467865
1,2,4-Trimethylbenzene	ND		0.00500	1	03/13/2025 06:02	WG2467865
1,3,5-Trimethylbenzene	ND		0.00500	1	03/13/2025 06:02	WG2467865
Xylenes, Total	0.00890		0.00650	1	03/13/2025 06:02	WG2467865
(S) Toluene-d8	*101*		*75.0-131*		*03/13/2025 06:02*	WG2467865
(S) 4-Bromofluorobenzene	*95.1*		*67.0-138*		*03/13/2025 06:02*	WG2467865
(S) 1,2-Dichloroethane-d4	*111*		*70.0-130*		*03/13/2025 06:02*	WG2467865

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	03/19/2025 00:34	WG2470628
C28-C36 Motor Oil Range	8.29		4.00	1	03/19/2025 00:34	WG2470628
(S) o-Terphenyl	*60.5*		*18.0-148*		*03/19/2025 00:34*	WG2470628

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	03/19/2025 00:41	WG2469458
Acenaphthene	ND		0.00600	1	03/19/2025 00:41	WG2469458
Benzo(a)anthracene	ND		0.00600	1	03/19/2025 00:41	WG2469458
Benzo(a)pyrene	ND		0.00600	1	03/19/2025 00:41	WG2469458
Benzo(b)fluoranthene	ND		0.00600	1	03/19/2025 00:41	WG2469458
Benzo(k)fluoranthene	ND		0.00600	1	03/19/2025 00:41	WG2469458
Chrysene	ND		0.00600	1	03/19/2025 00:41	WG2469458
Dibenz(a,h)anthracene	ND		0.00600	1	03/19/2025 00:41	WG2469458
Fluoranthene	ND		0.00600	1	03/19/2025 00:41	WG2469458
Fluorene	ND		0.00600	1	03/19/2025 00:41	WG2469458
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	03/19/2025 00:41	WG2469458
Naphthalene	ND		0.0200	1	03/19/2025 00:41	WG2469458
Pyrene	ND		0.00600	1	03/19/2025 00:41	WG2469458
1-Methylnaphthalene	ND		0.0200	1	03/19/2025 00:41	WG2469458
2-Methylnaphthalene	ND		0.0200	1	03/19/2025 00:41	WG2469458
(S) p-Terphenyl-d14	*85.3*		*23.0-120*		*03/19/2025 00:41*	WG2469458
(S) Nitrobenzene-d5	*91.7*		*14.0-149*		*03/19/2025 00:41*	WG2469458
(S) 2-Fluorobiphenyl	*84.0*		*34.0-125*		*03/19/2025 00:41*	WG2469458

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.806		1	03/17/2025 08:29	WG2468823

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	03/14/2025 14:15	WG2468387

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.27	T8	1	03/17/2025 12:37	WG2470072

Sample Narrative:

L1834340-29 WG2470072: 7.27 at 20.3C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	862	umhos/cm		10.0	1	03/17/2025 14:49	WG2470075

Sample Narrative:

L1834340-29 WG2470075: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.322		0.200	1	03/17/2025 12:41	WG2468826

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	5.07		1.00	5	03/17/2025 22:26	WG2468980
Barium	103		2.50	5	03/17/2025 22:26	WG2468980
Cadmium	ND		1.00	5	03/17/2025 22:26	WG2468980
Copper	22.2		5.00	5	03/17/2025 22:26	WG2468980
Lead	27.7		2.00	5	03/17/2025 22:26	WG2468980
Nickel	7.96		2.50	5	03/17/2025 22:26	WG2468980
Selenium	ND		2.50	5	03/17/2025 22:26	WG2468980
Silver	ND		0.500	5	03/17/2025 22:26	WG2468980
Zinc	76.7		25.0	5	03/17/2025 22:26	WG2468980

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	03/14/2025 20:02	WG2469346
(S) a,a,a-Trifluorotoluene(FID)	*95.3*		*77.0-120*		*03/14/2025 20:02*	WG2469346

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	03/13/2025 06:21	WG2467865
Ethylbenzene	ND		0.00250	1	03/13/2025 06:21	WG2467865
Toluene	ND		0.00500	1	03/13/2025 06:21	WG2467865
1,2,4-Trimethylbenzene	ND		0.00500	1	03/13/2025 06:21	WG2467865
1,3,5-Trimethylbenzene	ND		0.00500	1	03/13/2025 06:21	WG2467865
Xylenes, Total	ND		0.00650	1	03/13/2025 06:21	WG2467865
(S) Toluene-d8	*100*		*75.0-131*		*03/13/2025 06:21*	WG2467865
(S) 4-Bromofluorobenzene	*94.7*		*67.0-138*		*03/13/2025 06:21*	WG2467865
(S) 1,2-Dichloroethane-d4	*115*		*70.0-130*		*03/13/2025 06:21*	WG2467865

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	15.1		4.00	1	03/19/2025 13:10	WG2470628
C28-C36 Motor Oil Range	40.7		4.00	1	03/19/2025 13:10	WG2470628
(S) o-Terphenyl	*54.1*		*18.0-148*		*03/19/2025 13:10*	WG2470628

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	03/19/2025 01:00	WG2469458
Acenaphthene	ND		0.00600	1	03/19/2025 01:00	WG2469458
Benzo(a)anthracene	0.0145		0.00600	1	03/19/2025 01:00	WG2469458
Benzo(a)pyrene	0.0161		0.00600	1	03/19/2025 01:00	WG2469458
Benzo(b)fluoranthene	0.0175		0.00600	1	03/19/2025 01:00	WG2469458
Benzo(k)fluoranthene	0.00607		0.00600	1	03/19/2025 01:00	WG2469458
Chrysene	0.0187		0.00600	1	03/19/2025 01:00	WG2469458
Dibenz(a,h)anthracene	ND		0.00600	1	03/19/2025 01:00	WG2469458
Fluoranthene	0.0182		0.00600	1	03/19/2025 01:00	WG2469458
Fluorene	ND		0.00600	1	03/19/2025 01:00	WG2469458
Indeno(1,2,3-cd)pyrene	0.0114		0.00600	1	03/19/2025 01:00	WG2469458
Naphthalene	ND		0.0200	1	03/19/2025 01:00	WG2469458
Pyrene	0.0304		0.00600	1	03/19/2025 01:00	WG2469458
1-Methylnaphthalene	ND		0.0200	1	03/19/2025 01:00	WG2469458
2-Methylnaphthalene	ND		0.0200	1	03/19/2025 01:00	WG2469458
(S) p-Terphenyl-d14	*82.7*		*23.0-120*		*03/19/2025 01:00*	WG2469458
(S) Nitrobenzene-d5	*90.6*		*14.0-149*		*03/19/2025 01:00*	WG2469458
(S) 2-Fluorobiphenyl	*83.1*		*34.0-125*		*03/19/2025 01:00*	WG2469458

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.953		1	03/17/2025 08:32	WG2468823

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	03/14/2025 14:24	WG2468387

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.46	T8	1	03/17/2025 12:37	WG2470072

Sample Narrative:

L1834340-30 WG2470072: 7.46 at 20.5C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	352	umhos/cm		10.0	1	03/17/2025 14:49	WG2470075

Sample Narrative:

L1834340-30 WG2470075: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.293		0.200	1	03/17/2025 12:49	WG2468826

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.09		1.00	5	03/17/2025 22:29	WG2468980
Barium	108		2.50	5	03/17/2025 22:29	WG2468980
Cadmium	ND		1.00	5	03/17/2025 22:29	WG2468980
Copper	16.8		5.00	5	03/17/2025 22:29	WG2468980
Lead	18.9		2.00	5	03/17/2025 22:29	WG2468980
Nickel	8.36		2.50	5	03/17/2025 22:29	WG2468980
Selenium	ND		2.50	5	03/17/2025 22:29	WG2468980
Silver	ND		0.500	5	03/17/2025 22:29	WG2468980
Zinc	65.2		25.0	5	03/17/2025 22:29	WG2468980

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	03/15/2025 01:40	WG2469576
(S) a,a,a-Trifluorotoluene(FID)	*102*		*77.0-120*		*03/15/2025 01:40*	WG2469576

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	03/13/2025 06:40	WG2467865
Ethylbenzene	ND		0.00250	1	03/13/2025 06:40	WG2467865
Toluene	ND		0.00500	1	03/13/2025 06:40	WG2467865
1,2,4-Trimethylbenzene	ND		0.00500	1	03/13/2025 06:40	WG2467865
1,3,5-Trimethylbenzene	ND		0.00500	1	03/13/2025 06:40	WG2467865
Xylenes, Total	ND		0.00650	1	03/13/2025 06:40	WG2467865
(S) Toluene-d8	*99.2*		*75.0-131*		*03/13/2025 06:40*	WG2467865
(S) 4-Bromofluorobenzene	*94.3*		*67.0-138*		*03/13/2025 06:40*	WG2467865
(S) 1,2-Dichloroethane-d4	*112*		*70.0-130*		*03/13/2025 06:40*	WG2467865

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	03/18/2025 23:38	WG2470628
C28-C36 Motor Oil Range	ND		4.00	1	03/18/2025 23:38	WG2470628
(S) o-Terphenyl	*64.5*		*18.0-148*		*03/18/2025 23:38*	WG2470628

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	03/19/2025 01:20	WG2469458
Acenaphthene	ND		0.00600	1	03/19/2025 01:20	WG2469458
Benzo(a)anthracene	ND		0.00600	1	03/19/2025 01:20	WG2469458
Benzo(a)pyrene	ND		0.00600	1	03/19/2025 01:20	WG2469458
Benzo(b)fluoranthene	ND		0.00600	1	03/19/2025 01:20	WG2469458
Benzo(k)fluoranthene	ND		0.00600	1	03/19/2025 01:20	WG2469458
Chrysene	ND		0.00600	1	03/19/2025 01:20	WG2469458
Dibenz(a,h)anthracene	ND		0.00600	1	03/19/2025 01:20	WG2469458
Fluoranthene	ND		0.00600	1	03/19/2025 01:20	WG2469458
Fluorene	ND		0.00600	1	03/19/2025 01:20	WG2469458
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	03/19/2025 01:20	WG2469458
Naphthalene	ND		0.0200	1	03/19/2025 01:20	WG2469458
Pyrene	ND		0.00600	1	03/19/2025 01:20	WG2469458
1-Methylnaphthalene	ND		0.0200	1	03/19/2025 01:20	WG2469458
2-Methylnaphthalene	ND		0.0200	1	03/19/2025 01:20	WG2469458
(S) p-Terphenyl-d14	*86.4*		*23.0-120*		*03/19/2025 01:20*	WG2469458
(S) Nitrobenzene-d5	*97.9*		*14.0-149*		*03/19/2025 01:20*	WG2469458
(S) 2-Fluorobiphenyl	*85.5*		*34.0-125*		*03/19/2025 01:20*	WG2469458

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.16		1	03/17/2025 08:35	WG2468823

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	03/14/2025 14:34	WG2468387

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.98	T8	1	03/17/2025 12:37	WG2470072

Sample Narrative:

L1834340-31 WG2470072: 7.98 at 20.5C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	287	umhos/cm		10.0	1	03/17/2025 14:49	WG2470075

Sample Narrative:

L1834340-31 WG2470075: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.226		0.200	1	03/17/2025 12:52	WG2468826

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.49		1.00	5	03/17/2025 21:36	WG2468980
Barium	127		2.50	5	03/17/2025 21:36	WG2468980
Cadmium	ND		1.00	5	03/17/2025 21:36	WG2468980
Copper	9.22		5.00	5	03/17/2025 21:36	WG2468980
Lead	9.72		2.00	5	03/17/2025 21:36	WG2468980
Nickel	7.40		2.50	5	03/17/2025 21:36	WG2468980
Selenium	ND		2.50	5	03/17/2025 21:36	WG2468980
Silver	ND		0.500	5	03/17/2025 21:36	WG2468980
Zinc	47.5		25.0	5	03/17/2025 21:36	WG2468980

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	03/15/2025 02:03	WG2469576
(S) a,a,a-Trifluorotoluene(FID)	*102*		*77.0-120*		*03/15/2025 02:03*	WG2469576

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	03/13/2025 06:59	WG2467865
Ethylbenzene	ND		0.00250	1	03/13/2025 06:59	WG2467865
Toluene	ND		0.00500	1	03/13/2025 06:59	WG2467865
1,2,4-Trimethylbenzene	ND		0.00500	1	03/13/2025 06:59	WG2467865
1,3,5-Trimethylbenzene	ND		0.00500	1	03/13/2025 06:59	WG2467865
Xylenes, Total	0.0132		0.00650	1	03/13/2025 06:59	WG2467865
(S) Toluene-d8	*101*		*75.0-131*		*03/13/2025 06:59*	WG2467865
(S) 4-Bromofluorobenzene	*94.1*		*67.0-138*		*03/13/2025 06:59*	WG2467865
(S) 1,2-Dichloroethane-d4	*115*		*70.0-130*		*03/13/2025 06:59*	WG2467865

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	03/18/2025 23:24	WG2470628
C28-C36 Motor Oil Range	ND		4.00	1	03/18/2025 23:24	WG2470628
(S) o-Terphenyl	*66.6*		*18.0-148*		*03/18/2025 23:24*	WG2470628

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	03/19/2025 01:39	WG2469458
Acenaphthene	ND		0.00600	1	03/19/2025 01:39	WG2469458
Benzo(a)anthracene	ND		0.00600	1	03/19/2025 01:39	WG2469458
Benzo(a)pyrene	ND		0.00600	1	03/19/2025 01:39	WG2469458
Benzo(b)fluoranthene	ND		0.00600	1	03/19/2025 01:39	WG2469458
Benzo(k)fluoranthene	ND		0.00600	1	03/19/2025 01:39	WG2469458
Chrysene	ND		0.00600	1	03/19/2025 01:39	WG2469458
Dibenz(a,h)anthracene	ND		0.00600	1	03/19/2025 01:39	WG2469458
Fluoranthene	ND		0.00600	1	03/19/2025 01:39	WG2469458
Fluorene	ND		0.00600	1	03/19/2025 01:39	WG2469458
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	03/19/2025 01:39	WG2469458
Naphthalene	ND		0.0200	1	03/19/2025 01:39	WG2469458
Pyrene	ND		0.00600	1	03/19/2025 01:39	WG2469458
1-Methylnaphthalene	ND		0.0200	1	03/19/2025 01:39	WG2469458
2-Methylnaphthalene	ND		0.0200	1	03/19/2025 01:39	WG2469458
(S) p-Terphenyl-d14	*86.1*		*23.0-120*		*03/19/2025 01:39*	WG2469458
(S) Nitrobenzene-d5	*94.3*		*14.0-149*		*03/19/2025 01:39*	WG2469458
(S) 2-Fluorobiphenyl	*86.6*		*34.0-125*		*03/19/2025 01:39*	WG2469458

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.962		1	03/17/2025 08:43	WG2468823

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND	J5	1.00	1	03/14/2025 14:44	WG2468387

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.25	T8	1	03/17/2025 12:37	WG2470072

Sample Narrative:

L1834340-32 WG2470072: 8.25 at 20.3C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	189	umhos/cm		10.0	1	03/17/2025 14:49	WG2470075

Sample Narrative:

L1834340-32 WG2470075: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	03/17/2025 12:55	WG2468826

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.66		1.00	5	03/17/2025 22:32	WG2468980
Barium	87.7		2.50	5	03/17/2025 22:32	WG2468980
Cadmium	ND		1.00	5	03/17/2025 22:32	WG2468980
Copper	5.46		5.00	5	03/17/2025 22:32	WG2468980
Lead	6.55		2.00	5	03/17/2025 22:32	WG2468980
Nickel	4.44		2.50	5	03/17/2025 22:32	WG2468980
Selenium	ND		2.50	5	03/17/2025 22:32	WG2468980
Silver	ND		0.500	5	03/17/2025 22:32	WG2468980
Zinc	29.0		25.0	5	03/17/2025 22:32	WG2468980

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	03/15/2025 02:27	WG2469576
(S) a,a,a-Trifluorotoluene(FID)	*103*		*77.0-120*		*03/15/2025 02:27*	WG2469576

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	03/13/2025 07:18	WG2467865
Ethylbenzene	ND		0.00250	1	03/13/2025 07:18	WG2467865
Toluene	ND		0.00500	1	03/13/2025 07:18	WG2467865
1,2,4-Trimethylbenzene	ND		0.00500	1	03/13/2025 07:18	WG2467865
1,3,5-Trimethylbenzene	ND		0.00500	1	03/13/2025 07:18	WG2467865
Xylenes, Total	ND		0.00650	1	03/13/2025 07:18	WG2467865
(S) Toluene-d8	*100*		*75.0-131*		*03/13/2025 07:18*	WG2467865
(S) 4-Bromofluorobenzene	*96.0*		*67.0-138*		*03/13/2025 07:18*	WG2467865
(S) 1,2-Dichloroethane-d4	*112*		*70.0-130*		*03/13/2025 07:18*	WG2467865

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	03/18/2025 22:56	WG2470628
C28-C36 Motor Oil Range	ND		4.00	1	03/18/2025 22:56	WG2470628
(S) o-Terphenyl	*64.9*		*18.0-148*		*03/18/2025 22:56*	WG2470628

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	03/19/2025 01:59	WG2469458
Acenaphthene	ND		0.00600	1	03/19/2025 01:59	WG2469458
Benzo(a)anthracene	ND		0.00600	1	03/19/2025 01:59	WG2469458
Benzo(a)pyrene	ND		0.00600	1	03/19/2025 01:59	WG2469458
Benzo(b)fluoranthene	ND		0.00600	1	03/19/2025 01:59	WG2469458
Benzo(k)fluoranthene	ND		0.00600	1	03/19/2025 01:59	WG2469458
Chrysene	ND		0.00600	1	03/19/2025 01:59	WG2469458
Dibenz(a,h)anthracene	ND		0.00600	1	03/19/2025 01:59	WG2469458
Fluoranthene	ND		0.00600	1	03/19/2025 01:59	WG2469458
Fluorene	ND		0.00600	1	03/19/2025 01:59	WG2469458
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	03/19/2025 01:59	WG2469458
Naphthalene	ND		0.0200	1	03/19/2025 01:59	WG2469458
Pyrene	ND		0.00600	1	03/19/2025 01:59	WG2469458
1-Methylnaphthalene	ND		0.0200	1	03/19/2025 01:59	WG2469458
2-Methylnaphthalene	ND		0.0200	1	03/19/2025 01:59	WG2469458
(S) p-Terphenyl-d14	*92.1*		*23.0-120*		*03/19/2025 01:59*	WG2469458
(S) Nitrobenzene-d5	*102*		*14.0-149*		*03/19/2025 01:59*	WG2469458
(S) 2-Fluorobiphenyl	*90.4*		*34.0-125*		*03/19/2025 01:59*	WG2469458

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	4.41		1	03/17/2025 08:46	WG2468823

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	03/14/2025 15:53	WG2468387

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.49	T8	1	03/17/2025 12:37	WG2470072

Sample Narrative:

L1834340-33 WG2470072: 7.49 at 20.1C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	2740	umhos/cm		10.0	1	03/17/2025 14:49	WG2470075

Sample Narrative:

L1834340-33 WG2470075: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.460		0.200	1	03/17/2025 12:57	WG2468826

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.76		1.00	5	03/17/2025 22:35	WG2468980
Barium	95.3		2.50	5	03/17/2025 22:35	WG2468980
Cadmium	ND		1.00	5	03/17/2025 22:35	WG2468980
Copper	22.3		5.00	5	03/17/2025 22:35	WG2468980
Lead	23.9		2.00	5	03/17/2025 22:35	WG2468980
Nickel	7.84		2.50	5	03/17/2025 22:35	WG2468980
Selenium	ND		2.50	5	03/17/2025 22:35	WG2468980
Silver	ND		0.500	5	03/17/2025 22:35	WG2468980
Zinc	87.4		25.0	5	03/17/2025 22:35	WG2468980

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	03/15/2025 02:50	WG2469576
(S) a,a,a-Trifluorotoluene(FID)	*104*		*77.0-120*		*03/15/2025 02:50*	WG2469576

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	03/13/2025 07:37	WG2467865
Ethylbenzene	ND		0.00250	1	03/13/2025 07:37	WG2467865
Toluene	ND		0.00500	1	03/13/2025 07:37	WG2467865
1,2,4-Trimethylbenzene	ND		0.00500	1	03/13/2025 07:37	WG2467865
1,3,5-Trimethylbenzene	ND		0.00500	1	03/13/2025 07:37	WG2467865
Xylenes, Total	ND		0.00650	1	03/13/2025 07:37	WG2467865
(S) Toluene-d8	*101*		*75.0-131*		*03/13/2025 07:37*	WG2467865
(S) 4-Bromofluorobenzene	*93.9*		*67.0-138*		*03/13/2025 07:37*	WG2467865
(S) 1,2-Dichloroethane-d4	*114*		*70.0-130*		*03/13/2025 07:37*	WG2467865

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	68.5		40.0	10	03/19/2025 12:42	WG2470628
C28-C36 Motor Oil Range	343		40.0	10	03/19/2025 12:42	WG2470628
(S) o-Terphenyl	*24.0*		*18.0-148*		*03/19/2025 12:42*	WG2470628

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	03/19/2025 06:13	WG2469458
Acenaphthene	ND		0.00600	1	03/19/2025 06:13	WG2469458
Benzo(a)anthracene	0.00787		0.00600	1	03/19/2025 06:13	WG2469458
Benzo(a)pyrene	0.00988		0.00600	1	03/19/2025 06:13	WG2469458
Benzo(b)fluoranthene	0.0105		0.00600	1	03/19/2025 06:13	WG2469458
Benzo(k)fluoranthene	ND		0.00600	1	03/19/2025 06:13	WG2469458
Chrysene	0.0106		0.00600	1	03/19/2025 06:13	WG2469458
Dibenz(a,h)anthracene	ND		0.00600	1	03/19/2025 06:13	WG2469458
Fluoranthene	0.0114		0.00600	1	03/19/2025 06:13	WG2469458
Fluorene	ND		0.00600	1	03/19/2025 06:13	WG2469458
Indeno(1,2,3-cd)pyrene	0.0299		0.00600	1	03/19/2025 06:13	WG2469458
Naphthalene	ND		0.0200	1	03/19/2025 06:13	WG2469458
Pyrene	0.0152		0.00600	1	03/19/2025 06:13	WG2469458
1-Methylnaphthalene	ND		0.0200	1	03/19/2025 06:13	WG2469458
2-Methylnaphthalene	ND		0.0200	1	03/19/2025 06:13	WG2469458
(S) p-Terphenyl-d14	*81.4*		*23.0-120*		*03/19/2025 06:13*	WG2469458
(S) Nitrobenzene-d5	*99.8*		*14.0-149*		*03/19/2025 06:13*	WG2469458
(S) 2-Fluorobiphenyl	*85.0*		*34.0-125*		*03/19/2025 06:13*	WG2469458

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.647		1	03/17/2025 08:49	WG2468823

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	03/14/2025 16:03	WG2468387

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.42	T8	1	03/17/2025 12:37	WG2470072

Sample Narrative:

L1834340-34 WG2470072: 7.42 at 20.3C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	462	umhos/cm		10.0	1	03/17/2025 14:49	WG2470075

Sample Narrative:

L1834340-34 WG2470075: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.376		0.200	1	03/17/2025 13:00	WG2468826

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.04		1.00	5	03/17/2025 22:39	WG2468980
Barium	115		2.50	5	03/17/2025 22:39	WG2468980
Cadmium	ND		1.00	5	03/17/2025 22:39	WG2468980
Copper	17.1		5.00	5	03/17/2025 22:39	WG2468980
Lead	19.2		2.00	5	03/17/2025 22:39	WG2468980
Nickel	7.40		2.50	5	03/17/2025 22:39	WG2468980
Selenium	ND		2.50	5	03/17/2025 22:39	WG2468980
Silver	ND		0.500	5	03/17/2025 22:39	WG2468980
Zinc	71.3		25.0	5	03/17/2025 22:39	WG2468980

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	03/15/2025 03:14	WG2469576
(S) a,a,a-Trifluorotoluene(FID)	*103*		*77.0-120*		*03/15/2025 03:14*	WG2469576

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	03/13/2025 07:56	WG2467865
Ethylbenzene	ND		0.00250	1	03/13/2025 07:56	WG2467865
Toluene	ND		0.00500	1	03/13/2025 07:56	WG2467865
1,2,4-Trimethylbenzene	ND		0.00500	1	03/13/2025 07:56	WG2467865
1,3,5-Trimethylbenzene	ND		0.00500	1	03/13/2025 07:56	WG2467865
Xylenes, Total	ND		0.00650	1	03/13/2025 07:56	WG2467865
(S) Toluene-d8	*98.8*		*75.0-131*		*03/13/2025 07:56*	WG2467865
(S) 4-Bromofluorobenzene	*94.2*		*67.0-138*		*03/13/2025 07:56*	WG2467865
(S) 1,2-Dichloroethane-d4	*114*		*70.0-130*		*03/13/2025 07:56*	WG2467865

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	6.34		4.00	1	03/19/2025 01:44	WG2470628
C28-C36 Motor Oil Range	35.7		4.00	1	03/19/2025 01:44	WG2470628
(S) o-Terphenyl	*61.1*		*18.0-148*		*03/19/2025 01:44*	WG2470628

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	03/19/2025 02:18	WG2469458
Acenaphthene	ND		0.00600	1	03/19/2025 02:18	WG2469458
Benzo(a)anthracene	ND		0.00600	1	03/19/2025 02:18	WG2469458
Benzo(a)pyrene	ND		0.00600	1	03/19/2025 02:18	WG2469458
Benzo(b)fluoranthene	ND		0.00600	1	03/19/2025 02:18	WG2469458
Benzo(k)fluoranthene	ND		0.00600	1	03/19/2025 02:18	WG2469458
Chrysene	ND		0.00600	1	03/19/2025 02:18	WG2469458
Dibenz(a,h)anthracene	ND		0.00600	1	03/19/2025 02:18	WG2469458
Fluoranthene	ND		0.00600	1	03/19/2025 02:18	WG2469458
Fluorene	ND		0.00600	1	03/19/2025 02:18	WG2469458
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	03/19/2025 02:18	WG2469458
Naphthalene	ND		0.0200	1	03/19/2025 02:18	WG2469458
Pyrene	ND		0.00600	1	03/19/2025 02:18	WG2469458
1-Methylnaphthalene	ND		0.0200	1	03/19/2025 02:18	WG2469458
2-Methylnaphthalene	ND		0.0200	1	03/19/2025 02:18	WG2469458
(S) p-Terphenyl-d14	*85.7*		*23.0-120*		*03/19/2025 02:18*	WG2469458
(S) Nitrobenzene-d5	*95.4*		*14.0-149*		*03/19/2025 02:18*	WG2469458
(S) 2-Fluorobiphenyl	*88.2*		*34.0-125*		*03/19/2025 02:18*	WG2469458

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.284		1	03/17/2025 08:52	WG2468823

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	03/14/2025 16:13	WG2468387

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.58	T8	1	03/17/2025 11:43	WG2470078

Sample Narrative:

L1834340-35 WG2470078: 7.58 at 20.8C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	190	umhos/cm		10.0	1	03/17/2025 15:16	WG2470086

Sample Narrative:

L1834340-35 WG2470086: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.358		0.200	1	03/17/2025 13:03	WG2468826

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.82		1.00	5	03/17/2025 22:42	WG2468980
Barium	95.9		2.50	5	03/17/2025 22:42	WG2468980
Cadmium	ND		1.00	5	03/17/2025 22:42	WG2468980
Copper	8.77		5.00	5	03/17/2025 22:42	WG2468980
Lead	9.70		2.00	5	03/17/2025 22:42	WG2468980
Nickel	4.68		2.50	5	03/17/2025 22:42	WG2468980
Selenium	ND		2.50	5	03/17/2025 22:42	WG2468980
Silver	ND		0.500	5	03/17/2025 22:42	WG2468980
Zinc	35.6		25.0	5	03/17/2025 22:42	WG2468980

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	03/15/2025 03:37	WG2469576
(S) a,a,a-Trifluorotoluene(FID)	*102*		*77.0-120*		*03/15/2025 03:37*	WG2469576

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	03/13/2025 08:15	WG2467865
Ethylbenzene	ND		0.00250	1	03/13/2025 08:15	WG2467865
Toluene	ND		0.00500	1	03/13/2025 08:15	WG2467865
1,2,4-Trimethylbenzene	ND		0.00500	1	03/13/2025 08:15	WG2467865
1,3,5-Trimethylbenzene	ND		0.00500	1	03/13/2025 08:15	WG2467865
Xylenes, Total	ND		0.00650	1	03/13/2025 08:15	WG2467865
(S) Toluene-d8	*100*		*75.0-131*		*03/13/2025 08:15*	WG2467865
(S) 4-Bromofluorobenzene	*95.0*		*67.0-138*		*03/13/2025 08:15*	WG2467865
(S) 1,2-Dichloroethane-d4	*115*		*70.0-130*		*03/13/2025 08:15*	WG2467865

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	03/19/2025 00:20	WG2470628
C28-C36 Motor Oil Range	15.2		4.00	1	03/19/2025 00:20	WG2470628
(S) o-Terphenyl	*67.0*		*18.0-148*		*03/19/2025 00:20*	WG2470628

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	03/19/2025 02:38	WG2469458
Acenaphthene	ND		0.00600	1	03/19/2025 02:38	WG2469458
Benzo(a)anthracene	ND		0.00600	1	03/19/2025 02:38	WG2469458
Benzo(a)pyrene	ND		0.00600	1	03/19/2025 02:38	WG2469458
Benzo(b)fluoranthene	ND		0.00600	1	03/19/2025 02:38	WG2469458
Benzo(k)fluoranthene	ND		0.00600	1	03/19/2025 02:38	WG2469458
Chrysene	ND		0.00600	1	03/19/2025 02:38	WG2469458
Dibenz(a,h)anthracene	ND		0.00600	1	03/19/2025 02:38	WG2469458
Fluoranthene	ND		0.00600	1	03/19/2025 02:38	WG2469458
Fluorene	ND		0.00600	1	03/19/2025 02:38	WG2469458
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	03/19/2025 02:38	WG2469458
Naphthalene	ND		0.0200	1	03/19/2025 02:38	WG2469458
Pyrene	ND		0.00600	1	03/19/2025 02:38	WG2469458
1-Methylnaphthalene	ND		0.0200	1	03/19/2025 02:38	WG2469458
2-Methylnaphthalene	ND		0.0200	1	03/19/2025 02:38	WG2469458
(S) p-Terphenyl-d14	*86.2*		*23.0-120*		*03/19/2025 02:38*	WG2469458
(S) Nitrobenzene-d5	*95.1*		*14.0-149*		*03/19/2025 02:38*	WG2469458
(S) 2-Fluorobiphenyl	*86.5*		*34.0-125*		*03/19/2025 02:38*	WG2469458

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

Method Blank (MB)

(MB) R4186472-1 03/13/25 18:19

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

L1829230-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1829230-01 03/13/25 18:40 • (DUP) R4186472-3 03/13/25 18:51

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Hexavalent Chromium	ND	ND	1	31.6	P1	20

L1829230-25 Original Sample (OS) • Duplicate (DUP)

(OS) L1829230-25 03/13/25 20:46 • (DUP) R4186472-4 03/13/25 20:56

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

Laboratory Control Sample (LCS)

(LCS) R4186472-2 03/13/25 18:30

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

L1834369-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1834369-03 03/13/25 23:02 • (MS) R4186472-6 03/13/25 23:13 • (MSD) R4186472-7 03/13/25 23:23

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Hexavalent Chromium	20.0	ND	14.2	15.6	70.8	78.2	1	75.0-125	J6		9.93	20

L1834369-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1834369-03 03/13/25 23:02 • (MS) R4186472-8 03/13/25 23:34

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	633	ND	712	112	50	75.0-125	

Method Blank (MB)

(MB) R4186547-1 03/14/25 08:17

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

L1834340-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1834340-12 03/14/25 09:14 • (DUP) R4186547-3 03/14/25 09:24

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

L1834340-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1834340-20 03/14/25 11:39 • (DUP) R4186547-8 03/14/25 12:08

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

Laboratory Control Sample (LCS)

(LCS) R4186547-2 03/14/25 08:26

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexavalent Chromium	10.0	10.8	108	80.0-120	

L1834340-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1834340-15 03/14/25 10:12 • (MS) R4186547-4 03/14/25 10:22 • (MSD) R4186547-5 03/14/25 10:32

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Hexavalent Chromium	20.0	ND	18.0	18.9	90.1	94.6	1	75.0-125			4.88	20

L1834340-15 Original Sample (OS) • Matrix Spike (MS)

(OS) L1834340-15 03/14/25 10:12 • (MS) R4186547-6 03/14/25 10:41

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	654	ND	730	112	50	75.0-125	

QUALITY CONTROL SUMMARY

L1834340-28,29,30,31,32,33,34,35

Method Blank (MB)

(MB) R4186747-1 03/14/25 13:45

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

L1835534-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1835534-03 03/14/25 17:02 • (DUP) R4186747-7 03/14/25 17:12

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

L1835534-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1835534-05 03/14/25 17:51 • (DUP) R4186747-8 03/14/25 18:01

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

Laboratory Control Sample (LCS)

(LCS) R4186747-2 03/14/25 13:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexavalent Chromium	10.0	10.2	102	80.0-120	

L1834340-32 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1834340-32 03/14/25 14:44 • (MS) R4186747-3 03/14/25 14:54 • (MSD) R4186747-4 03/14/25 15:04

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Hexavalent Chromium	20.0	ND	21.0	19.8	105	99.1	1	75.0-125			5.83	20

L1834340-32 Original Sample (OS) • Matrix Spike (MS)

(OS) L1834340-32 03/14/25 14:44 • (MS) R4186747-6 03/14/25 15:14

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	643	ND	894	139	50	75.0-125	J5

L1833564-22 Original Sample (OS) • Duplicate (DUP)

(OS) L1833564-22 03/14/25 12:34 • (DUP) R4186548-2 03/14/25 12:34

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

Sample Narrative:

OS: 7.99 at 21C

DUP: 7.99 at 20.8C

L1834340-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1834340-18 03/14/25 12:34 • (DUP) R4186548-3 03/14/25 12:34

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.90	7.94	1	0.505		1

Sample Narrative:

OS: 7.9 at 20.4C

DUP: 7.94 at 20.2C

Laboratory Control Sample (LCS)

(LCS) R4186548-1 03/14/25 12:34

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

Sample Narrative:

LCS: 10.01 at 20.5C

L1833628-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1833628-03 03/14/25 12:34 • (DUP) R4186538-2 03/14/25 12:34

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.04	8.03	1	0.124		1

Sample Narrative:

OS: 8.04 at 20.5C

DUP: 8.03 at 20.3C

L1834340-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1834340-21 03/14/25 12:34 • (DUP) R4186538-3 03/14/25 12:34

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.63	7.64	1	0.131		1

Sample Narrative:

OS: 7.63 at 19.9C

DUP: 7.64 at 20.2C

Laboratory Control Sample (LCS)

(LCS) R4186538-1 03/14/25 12:34

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

Sample Narrative:

LCS: 10.02 at 20.3C

L1833564-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1833564-02 03/14/25 21:00 • (DUP) R4186750-2 03/14/25 21:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.88	7.89	1	0.127		1

Sample Narrative:

OS: 7.88 at 20.6C

DUP: 7.89 at 20.7C

L1834351-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1834351-04 03/14/25 21:00 • (DUP) R4186750-3 03/14/25 21:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.10	8.08	1	0.247		1

Sample Narrative:

OS: 8.1 at 20C

DUP: 8.08 at 20.1C

Laboratory Control Sample (LCS)

(LCS) R4186750-1 03/14/25 21:00

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

Sample Narrative:

LCS: 10.03 at 20.1C

L1833893-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1833893-04 03/15/25 13:00 • (DUP) R4186831-2 03/15/25 13:00

Analyte	Original Result su	DUP Result su	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
pH	7.51	7.49	1	0.267		1

Sample Narrative:
OS: 7.51 at 21C
DUP: 7.49 at 20.9C

L1834340-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1834340-02 03/15/25 13:00 • (DUP) R4186831-3 03/15/25 13:00

Analyte	Original Result su	DUP Result su	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
pH	8.02	8.06	1	0.498		1

Sample Narrative:
OS: 8.02 at 20.3C
DUP: 8.06 at 20.1C

Laboratory Control Sample (LCS)

(LCS) R4186831-1 03/15/25 13:00

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

Sample Narrative:
LCS: 10.01 at 20.1C

L1834340-23 Original Sample (OS) • Duplicate (DUP)

(OS) L1834340-23 03/17/25 12:37 • (DUP) R4187215-2 03/17/25 12:37

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.42	7.43	1	0.135		1

Sample Narrative:

OS: 7.42 at 20.5C

DUP: 7.43 at 20.6C

L1835534-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1835534-10 03/17/25 12:37 • (DUP) R4187215-3 03/17/25 12:37

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.23	8.22	1	0.122		1

Sample Narrative:

OS: 8.23 at 20.3C

DUP: 8.22 at 20.4C

Laboratory Control Sample (LCS)

(LCS) R4187215-1 03/17/25 12:37

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

Sample Narrative:

LCS: 10.01 at 19.4C

L1834340-35 Original Sample (OS) • Duplicate (DUP)

(OS) L1834340-35 03/17/25 11:43 • (DUP) R4187166-2 03/17/25 11:43

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.58	7.59	1	0.132		1

Sample Narrative:

OS: 7.58 at 20.8C

DUP: 7.59 at 20.8C

Laboratory Control Sample (LCS)

(LCS) R4187166-1 03/17/25 11:43

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

Sample Narrative:

LCS: 10.01 at 20.2C

Method Blank (MB)

(MB) R4186610-1 03/14/25 14:00

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

L1833564-19 Original Sample (OS) • Duplicate (DUP)

(OS) L1833564-19 03/14/25 14:00 • (DUP) R4186610-3 03/14/25 14:00

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	435	435	1	0.000		20

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

L1834340-22 Original Sample (OS) • Duplicate (DUP)

(OS) L1834340-22 03/14/25 14:00 • (DUP) R4186610-4 03/14/25 14:00

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	685	683	1	0.292		20

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

Laboratory Control Sample (LCS)

(LCS) R4186610-2 03/14/25 14:00

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	1130	1070	95.0	85.0-115	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4186567-1 03/14/25 14:20

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

L1833628-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1833628-02 03/14/25 14:20 • (DUP) R4186567-3 03/14/25 14:20

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	1150	1150	1	0.174		20

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

L1834340-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1834340-20 03/14/25 14:20 • (DUP) R4186567-4 03/14/25 14:20

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	370	369	1	0.271		20

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

Laboratory Control Sample (LCS)

(LCS) R4186567-2 03/14/25 14:20

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	1130	1100	97.2	85.0-115	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4186948-1 03/16/25 15:41

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

L1833564-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1833564-03 03/16/25 15:41 • (DUP) R4186948-3 03/16/25 15:41

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	939	940	1	0.106		20

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

L1834351-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1834351-03 03/16/25 15:41 • (DUP) R4186948-4 03/16/25 15:41

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	377	375	1	0.532		20

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

Laboratory Control Sample (LCS)

(LCS) R4186948-2 03/16/25 15:41

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

Method Blank (MB)

(MB) R4186845-1 03/15/25 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

L1833893-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1833893-05 03/15/25 15:00 • (DUP) R4186845-3 03/15/25 15:00

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	156	156	1	0.0643		20

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

L1834340-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1834340-01 03/15/25 15:00 • (DUP) R4186845-4 03/15/25 15:00

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	388	386	1	0.517		20

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

Laboratory Control Sample (LCS)

(LCS) R4186845-2 03/15/25 15:00

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	1130	1040	91.8	85.0-115	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4187328-1 03/17/25 14:49

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

L1834340-24 Original Sample (OS) • Duplicate (DUP)

(OS) L1834340-24 03/17/25 14:49 • (DUP) R4187328-3 03/17/25 14:49

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	350	352	1	0.570		20

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

L1835534-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1835534-09 03/17/25 14:49 • (DUP) R4187328-4 03/17/25 14:49

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	147	146	1	0.546		20

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

Laboratory Control Sample (LCS)

(LCS) R4187328-2 03/17/25 14:49

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

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4187318-1 03/17/25 15:16

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

L1834346-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1834346-01 03/17/25 15:16 • (DUP) R4187318-3 03/17/25 15:16

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	503	503	1	0.000		20

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

Laboratory Control Sample (LCS)

(LCS) R4187318-2 03/17/25 15:16

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

Method Blank (MB)

(MB) R4186624-1 03/14/25 09:01

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) R4186624-2 03/14/25 09:02 • (LCSD) R4186624-3 03/14/25 09:04

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	1.03	1.03	103	103	80.0-120			0.105	20

Method Blank (MB)

(MB) R4186349-1 03/14/25 02:11

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) R4186349-2 03/14/25 02:13 • (LCSD) R4186349-3 03/14/25 02:14

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Hot Water Sol. Boron	1.00	1.06	1.07	106	107	80.0-120			0.333	20

Method Blank (MB)

(MB) R4186351-1 03/14/25 04:14

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) R4186351-2 03/14/25 04:16 • (LCSD) R4186351-3 03/14/25 04:17

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	1.07	107	107	80.0-120			0.675	20

Method Blank (MB)

(MB) R4187306-1 03/17/25 12:15

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) R4187306-2 03/17/25 12:18 • (LCSD) R4187306-3 03/17/25 12:20

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	1.03	1.05	103	105	80.0-120			1.54	20

Method Blank (MB)

(MB) R4187265-1 03/17/25 07:51

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) R4187265-2 03/17/25 07:54 • (LCSD) R4187265-3 03/17/25 07:57

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	1.09	107	109	80.0-120			1.30	20

Method Blank (MB)

(MB) R4187442-1 03/17/25 20:56

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	0.879	J	0.740	25.0

Laboratory Control Sample (LCS)

(LCS) R4187442-2 03/17/25 20:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	97.9	97.9	80.0-120	
Barium	100	96.0	96.0	80.0-120	
Cadmium	100	101	101	80.0-120	
Copper	100	98.0	98.0	80.0-120	
Lead	100	98.6	98.6	80.0-120	
Nickel	100	102	102	80.0-120	
Selenium	100	97.7	97.7	80.0-120	
Silver	20.0	19.9	99.3	80.0-120	
Zinc	100	98.2	98.2	80.0-120	

L1834340-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1834340-10 03/17/25 21:02 • (MS) R4187442-5 03/17/25 21:11 • (MSD) R4187442-6 03/17/25 21:14

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 %
Arsenic	100	2.55	101	98.1	98.7	95.6	5	75.0-125			3.16	20
Barium	100	85.1	179	177	93.6	91.4	5	75.0-125			1.23	20
Cadmium	100	ND	102	99.6	102	99.4	5	75.0-125			2.23	20
Copper	100	9.56	108	107	98.3	97.0	5	75.0-125			1.22	20
Lead	100	9.66	106	104	96.7	94.2	5	75.0-125			2.39	20
Nickel	100	6.02	108	105	102	99.4	5	75.0-125			2.41	20
Selenium	100	ND	100	96.9	99.6	96.4	5	75.0-125			3.30	20
Silver	20.0	ND	20.1	19.9	100	99.5	5	75.0-125			0.916	20
Zinc	100	48.4	142	139	94.1	90.6	5	75.0-125			2.51	20

L1834340-31 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1834340-31 03/17/25 21:36 • (MS) R4187442-8 03/17/25 21:43 • (MSD) R4187442-9 03/17/25 21:46

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	3.49	110	109	107	105	5	75.0-125			1.64	20
Barium	100	127	234	227	107	99.7	5	75.0-125			3.03	20
Cadmium	100	ND	102	99.6	102	99.5	5	75.0-125			2.55	20
Copper	100	9.22	114	111	105	102	5	75.0-125			2.26	20
Lead	100	9.72	114	114	104	104	5	75.0-125			0.264	20
Nickel	100	7.40	112	111	105	104	5	75.0-125			1.16	20
Selenium	100	ND	104	103	104	102	5	75.0-125			1.58	20
Silver	20.0	ND	21.1	21.0	106	105	5	75.0-125			0.667	20
Zinc	100	47.5	159	156	112	108	5	75.0-125			2.17	20

Method Blank (MB)

(MB) R4186778-1 03/14/25 23:57

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) R4186778-2 03/15/25 00:00

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	98.5	98.5	80.0-120	
Barium	100	97.3	97.3	80.0-120	
Cadmium	100	101	101	80.0-120	
Copper	100	102	102	80.0-120	
Lead	100	96.8	96.8	80.0-120	
Nickel	100	102	102	80.0-120	
Selenium	100	95.8	95.8	80.0-120	
Silver	20.0	19.7	98.7	80.0-120	
Zinc	100	100	100	80.0-120	

L1835532-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1835532-05 03/15/25 00:04 • (MS) R4186778-5 03/15/25 00:13 • (MSD) R4186778-6 03/15/25 00:16

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	100	2.31	105	106	103	103	5	75.0-125			0.399	20
Barium	100	47.0	149	154	102	107	5	75.0-125			3.37	20
Cadmium	100	ND	106	106	106	106	5	75.0-125			0.447	20
Copper	100	ND	108	109	105	105	5	75.0-125			0.647	20
Lead	100	6.64	106	109	99.2	102	5	75.0-125			3.02	20
Nickel	100	5.58	112	112	106	106	5	75.0-125			0.0998	20
Selenium	100	ND	103	104	103	104	5	75.0-125			0.681	20
Silver	20.0	ND	20.8	20.8	104	104	5	75.0-125			0.0102	20
Zinc	100	ND	128	130	103	105	5	75.0-125			1.20	20

Method Blank (MB)

(MB) R4187091-2 03/14/25 14:39

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	0.0638	J	0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*96.9*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4187091-1 03/14/25 13:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	4.89	97.8	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*103*	*77.0-120*	

Method Blank (MB)

(MB) R4187076-2 03/15/25 00:09

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	0.0234	J	0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*108*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4187076-1 03/14/25 23:11

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	5.64	113	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*105*	*77.0-120*	

Method Blank (MB)

(MB) R4185948-3 03/13/25 01:40

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	*100*			*75.0-131*
(S) 4-Bromofluorobenzene	*93.8*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*

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

(LCS) R4185948-1 03/13/25 00:06 • (LCSD) R4185948-2 03/13/25 00:25

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	0.112	0.105	89.6	84.0	70.0-123			6.45	20
Toluene	0.125	0.104	0.104	83.2	83.2	75.0-121			0.000	20
Ethylbenzene	0.125	0.104	0.105	83.2	84.0	74.0-126			0.957	20
Xylenes, Total	0.375	0.316	0.308	84.3	82.1	72.0-127			2.56	20
1,2,4-Trimethylbenzene	0.125	0.116	0.119	92.8	95.2	70.0-126			2.55	20
1,3,5-Trimethylbenzene	0.125	0.112	0.114	89.6	91.2	73.0-127			1.77	20
(S) Toluene-d8				*96.4*	*96.0*	*75.0-131*				
(S) 4-Bromofluorobenzene				*96.9*	*96.8*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*119*	*117*	*70.0-130*				

L1834340-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1834340-21 03/13/25 03:49 • (MS) R4185948-4 03/13/25 10:10 • (MSD) R4185948-5 03/13/25 10:29

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	ND	0.130	0.119	104	95.2	1	10.0-149			8.84	37
Toluene	0.125	ND	0.126	0.120	101	96.0	1	10.0-156			4.88	38
Ethylbenzene	0.125	ND	0.128	0.125	100	98.1	1	10.0-160			2.37	38
Xylenes, Total	0.375	0.0131	0.381	0.372	98.1	95.7	1	10.0-160			2.39	38
1,2,4-Trimethylbenzene	0.125	0.00505	0.138	0.133	106	102	1	10.0-160			3.69	36
1,3,5-Trimethylbenzene	0.125	ND	0.137	0.133	110	106	1	10.0-160			2.96	38
(S) Toluene-d8					*97.6*	*97.7*		*75.0-131*				
(S) 4-Bromofluorobenzene					*93.8*	*94.6*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*118*	*112*		*70.0-130*				

Method Blank (MB)

(MB) R4187874-1 03/18/25 11:06

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	*72.8*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4187874-2 03/18/25 11:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	39.1	78.2	50.0-150	
(S) o-Terphenyl			*73.1*	*18.0-148*	

L1834249-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1834249-19 03/18/25 18:01 • (MS) R4188136-1 03/18/25 18:15 • (MSD) R4188136-2 03/18/25 18:29

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	48.5	ND	32.6	31.3	67.2	64.4	1	50.0-150			4.07	20
(S) o-Terphenyl					*47.1*	*54.5*		*18.0-148*				

Method Blank (MB)

(MB) R4188137-1 03/18/25 22:28

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	*69.5*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4188137-2 03/18/25 22:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	38.6	77.2	50.0-150	
(S) o-Terphenyl			*69.1*	*18.0-148*	

L1834340-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1834340-22 03/19/25 01:02 • (MS) R4188137-3 03/19/25 01:16 • (MSD) R4188137-4 03/19/25 01:30

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 %
C10-C28 Diesel Range	47.7	7.82	43.3	44.0	74.4	75.8	1	50.0-150			1.60	20
(S) o-Terphenyl					*54.4*	*63.5*		*18.0-148*				

Method Blank (MB)

(MB) R4187638-2 03/17/25 23:04

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00209	0.00600
Anthracene	U		0.00230	0.00600
Benzo(a)anthracene	U		0.00173	0.00600
Benzo(b)fluoranthene	U		0.00153	0.00600
Benzo(k)fluoranthene	U		0.00215	0.00600
Benzo(a)pyrene	U		0.00179	0.00600
Chrysene	U		0.00232	0.00600
Dibenz(a,h)anthracene	U		0.00172	0.00600
Fluoranthene	U		0.00227	0.00600
Fluorene	U		0.00205	0.00600
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600
1-Methylnaphthalene	U		0.00449	0.0200
2-Methylnaphthalene	U		0.00427	0.0200
Naphthalene	U		0.00408	0.0200
Pyrene	U		0.00200	0.00600
(S) p-Terphenyl-d14	*87.2*			*23.0-120*
(S) Nitrobenzene-d5	*92.0*			*14.0-149*
(S) 2-Fluorobiphenyl	*87.9*			*34.0-125*

Laboratory Control Sample (LCS)

(LCS) R4187638-1 03/17/25 22:45

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.0800	0.0698	87.3	50.0-120	
Anthracene	0.0800	0.0671	83.9	50.0-126	
Benzo(a)anthracene	0.0800	0.0687	85.9	45.0-120	
Benzo(b)fluoranthene	0.0800	0.0728	91.0	42.0-121	
Benzo(k)fluoranthene	0.0800	0.0691	86.4	49.0-125	
Benzo(a)pyrene	0.0800	0.0576	72.0	42.0-120	
Chrysene	0.0800	0.0740	92.5	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0790	98.8	47.0-125	
Fluoranthene	0.0800	0.0756	94.5	49.0-129	
Fluorene	0.0800	0.0756	94.5	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0740	92.5	46.0-125	
1-Methylnaphthalene	0.0800	0.0749	93.6	51.0-121	
2-Methylnaphthalene	0.0800	0.0723	90.4	50.0-120	
Naphthalene	0.0800	0.0714	89.3	50.0-120	
Pyrene	0.0800	0.0741	92.6	43.0-123	

Laboratory Control Sample (LCS)

(LCS) R4187638-1 03/17/25 22:45

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) p-Terphenyl-d14			*99.9*	*23.0-120*	
(S) Nitrobenzene-d5			*107*	*14.0-149*	
(S) 2-Fluorobiphenyl			*103*	*34.0-125*	

L1834340-23 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1834340-23 03/18/25 00:03 • (MS) R4187638-3 03/18/25 00:22 • (MSD) R4187638-4 03/18/25 00:42

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.0780	ND	0.0551	0.0558	70.6	72.7	1	14.0-127			1.26	27
Anthracene	0.0780	ND	0.0580	0.0563	74.4	73.3	1	10.0-145			2.97	30
Benzo(a)anthracene	0.0780	ND	0.0584	0.0568	74.9	74.0	1	10.0-139			2.78	30
Benzo(b)fluoranthene	0.0780	ND	0.0592	0.0586	72.6	73.0	1	10.0-140			1.02	36
Benzo(k)fluoranthene	0.0780	ND	0.0565	0.0578	72.4	75.3	1	10.0-137			2.27	31
Benzo(a)pyrene	0.0780	ND	0.0548	0.0549	67.8	69.0	1	10.0-141			0.182	31
Chrysene	0.0780	ND	0.0632	0.0628	81.0	81.8	1	10.0-145			0.635	30
Dibenz(a,h)anthracene	0.0780	ND	0.0654	0.0679	83.8	88.4	1	10.0-132			3.75	31
Fluoranthene	0.0780	ND	0.0687	0.0638	84.7	79.6	1	10.0-153			7.40	33
Fluorene	0.0780	ND	0.0596	0.0600	76.4	78.1	1	11.0-130			0.669	29
Indeno(1,2,3-cd)pyrene	0.0780	ND	0.0613	0.0617	78.6	80.3	1	10.0-137			0.650	32
1-Methylnaphthalene	0.0780	ND	0.0598	0.0597	76.7	77.7	1	10.0-142			0.167	28
2-Methylnaphthalene	0.0780	ND	0.0585	0.0585	75.0	76.2	1	10.0-137			0.000	28
Naphthalene	0.0780	ND	0.0563	0.0572	72.2	74.5	1	10.0-135			1.59	27
Pyrene	0.0780	ND	0.0636	0.0608	77.9	75.5	1	10.0-148			4.50	35
(S) p-Terphenyl-d14					*83.0*	*85.3*		*23.0-120*				
(S) Nitrobenzene-d5					*90.2*	*92.1*		*14.0-149*				
(S) 2-Fluorobiphenyl					*82.7*	*87.1*		*34.0-125*				

Method Blank (MB)

(MB) R4188160-2 03/19/25 00:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00209	0.00600
Anthracene	U		0.00230	0.00600
Benzo(a)anthracene	U		0.00173	0.00600
Benzo(b)fluoranthene	U		0.00153	0.00600
Benzo(k)fluoranthene	U		0.00215	0.00600
Benzo(a)pyrene	U		0.00179	0.00600
Chrysene	U		0.00232	0.00600
Dibenz(a,h)anthracene	U		0.00172	0.00600
Fluoranthene	U		0.00227	0.00600
Fluorene	U		0.00205	0.00600
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600
1-Methylnaphthalene	U		0.00449	0.0200
2-Methylnaphthalene	U		0.00427	0.0200
Naphthalene	U		0.00408	0.0200
Pyrene	U		0.00200	0.00600
(S) p-Terphenyl-d14	*95.8*			*23.0-120*
(S) Nitrobenzene-d5	*100*			*14.0-149*
(S) 2-Fluorobiphenyl	*91.4*			*34.0-125*

Laboratory Control Sample (LCS)

(LCS) R4188160-1 03/19/25 00:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.0800	0.0619	77.4	50.0-120	
Anthracene	0.0800	0.0648	81.0	50.0-126	
Benzo(a)anthracene	0.0800	0.0674	84.3	45.0-120	
Benzo(b)fluoranthene	0.0800	0.0649	81.1	42.0-121	
Benzo(k)fluoranthene	0.0800	0.0613	76.6	49.0-125	
Benzo(a)pyrene	0.0800	0.0511	63.9	42.0-120	
Chrysene	0.0800	0.0673	84.1	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0705	88.1	47.0-125	
Fluoranthene	0.0800	0.0692	86.5	49.0-129	
Fluorene	0.0800	0.0713	89.1	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0690	86.3	46.0-125	
1-Methylnaphthalene	0.0800	0.0693	86.6	51.0-121	
2-Methylnaphthalene	0.0800	0.0668	83.5	50.0-120	
Naphthalene	0.0800	0.0658	82.3	50.0-120	
Pyrene	0.0800	0.0674	84.3	43.0-123	

Laboratory Control Sample (LCS)

(LCS) R4188160-1 03/19/25 00:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) p-Terphenyl-d14			*93.2*	*23.0-120*	
(S) Nitrobenzene-d5			*104*	*14.0-149*	
(S) 2-Fluorobiphenyl			*92.3*	*34.0-125*	

L1834351-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1834351-02 03/19/25 04:55 • (MS) R4188160-3 03/19/25 05:14 • (MSD) R4188160-4 03/19/25 05:34

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 %
Acenaphthene	0.0784	ND	0.0631	0.0625	76.7	76.3	1	14.0-127			0.955	27
Anthracene	0.0784	ND	0.0635	0.0654	74.5	77.4	1	10.0-145			2.95	30
Benzo(a)anthracene	0.0784	ND	0.0723	0.0727	89.2	90.2	1	10.0-139			0.552	30
Benzo(b)fluoranthene	0.0784	ND	0.0572	0.0586	69.5	71.6	1	10.0-140			2.42	36
Benzo(k)fluoranthene	0.0784	ND	0.0535	0.0541	68.2	69.4	1	10.0-137			1.12	31
Benzo(a)pyrene	0.0784	ND	0.0599	0.0606	73.8	75.1	1	10.0-141			1.16	31
Chrysene	0.0784	ND	0.0694	0.0684	84.4	83.5	1	10.0-145			1.45	30
Dibenz(a,h)anthracene	0.0784	ND	0.0616	0.0629	78.6	80.6	1	10.0-132			2.09	31
Fluoranthene	0.0784	ND	0.0737	0.0749	86.7	88.7	1	10.0-153			1.62	33
Fluorene	0.0784	0.0130	0.0814	0.0820	87.2	88.5	1	11.0-130			0.734	29
Indeno(1,2,3-cd)pyrene	0.0784	ND	0.0641	0.0650	79.1	80.7	1	10.0-137			1.39	32
1-Methylnaphthalene	0.0784	ND	0.0843	0.0870	86.6	90.5	1	10.0-142			3.15	28
2-Methylnaphthalene	0.0784	ND	0.0808	0.0818	82.8	84.5	1	10.0-137			1.23	28
Naphthalene	0.0784	ND	0.0703	0.0708	84.0	85.1	1	10.0-135			0.709	27
Pyrene	0.0784	0.00790	0.0695	0.0684	78.6	77.6	1	10.0-148			1.60	35
(S) p-Terphenyl-d14					*85.6*	*86.8*		*23.0-120*				
(S) Nitrobenzene-d5					*118*	*116*		*14.0-149*				
(S) 2-Fluorobiphenyl					*87.1*	*87.1*		*34.0-125*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
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.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
T8	Sample(s) received past/too close to holding time expiration.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
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.

C191

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

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

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Fremont Enivironmental, Inc.	Contact/Report To: Ethan Black, Paul Henehan, Jordan Suttles, Chevron Dist. List
Street Address: 8305 6th St. Wellington, CO 80549	Phone #: 603-477-6907
	E-Mail: ethanb@fremontenv.com, paulH@fremontenv.com, jordanS@fremontenv.com
	Cc E-Mail: danpeterson@chevron.com
Customer Project #: C023-037	Invoice to: Chevron
Project Name: Noble - Patriot B16-24 Backgrounds	Invoice E-mail: Chevron Distribution List
Site Collection Info/Facility ID (as applicable):	Purchase Order # (if applicable): UWRWE-A2813-EXP
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [X] MT [ ] CT [ ] ET	County / State origin of sample(s): CO
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other_____	Regulatory Program (DW, RCRA, etc.) as applicable: Colorado ECMC Reportable [ ] Yes [ ] No
	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other standard TAT
	Date Results Requested:
	DW PWSID # or WW Permit # as applicable:
	Field Filtered (if applicable): [ ] Yes [ ] No
	Analysis:

Specify Container Size **: 10 | 10

Identify Container Preservative Type***: 1 | 1

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

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

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	Table 915-1 Metals	SAR, EC, pH, boron	Lab Use Only	Sample Comment	Preservation non-conformance identified for sample.
24 BKG 6 1 Ft	SS	G	3/10/25	0900	3/10/25	9:05	3			X	X		-01	
24 BKG 6 2 Ft	SS	G		9:10		9:15	3			X	X		-02	
24 BKG 6 3 Ft	SS	G		9:20		9:25	3			X	X		-03	
24 BKG 6 4 Ft	SS	G		9:30		9:35	3			X	X		-04	
24 BKG 7 1 Ft	SS	G		9:40		9:45	3			X	X		-05	
24 BKG 7 2 Ft	SS	G		9:50		9:55	3			X	X		-06	
24 BKG 7 3 Ft	SS	G		10:00		10:05	3			X	X		-07	
24 BKG 7 4 Ft	SS	G		10:10		10:15	3			X	X		-08	
24 BKG 8 1 Ft	SS	G		10:20		10:25	3			X	X		-09	
24 BKG 8 2 Ft	SS	G		10:30		10:35	3			X	X		-10	

Lab Use Only: Proj. Mgr: | AcctNum / Client ID: | Table #: | Profile / Template: | Prelog / Bottle Ord. ID:

Additional Instructions from Pace® :

Collected By: Printed Name Jordan Suttles Signature Jordan Suttles AB 03/11/2025

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: | Thermometer ID: | Correction Factor (°C): | Obs. Temp. (°C): | Corrected Temp. (°C): | [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Jordan Suttles / Fremont	3/10/25 14:30		3/10/25 15:00
	3/10/25 0900	SWA	
		Ashley Beattie	03/11/2025 0800

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 1 of 4

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.

ENV-FRM-CORQ-0019_v02_110123 ©

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

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

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

U83W340

Company Name: Fremont Enivironmental, Inc.	Contact/Report To: Ethan Black, Paul Henehan, Jordan Suttles, Chevron Dist. List
Street Address: 8305 6th St. Wellington, CO 80549	Phone #: 603-477-6907
	E-Mail: ethanb@fremontenv.com, paulH@fremontenv.com, jordanS@fremontenv.com
	Cc E-Mail: danpeterson@chevron.com
Customer Project #: C023-037	Invoice to: Chevron
Project Name: Noble - Patriot B16-24 Backgrounds	Invoice E-mail: Chevron Distribution List
Site Collection Info/Facility ID (as applicable):	Purchase Order # (if applicable): UWRWE-A2813-EXP
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [X] MT [ ] CT [ ] ET	County / State origin of sample(s): CO
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: Colorado ECMC
	Reportable [ ] Yes [ ] No
	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other Standard TAT
	Date Results Requested:
	DW PWSID # or WW Permit # as applicable:
	Field Filtered (if applicable): [ ] Yes [ ] No
	Analysis:

Specify Container Size **: 10 | 10

Identify Container Preservative Type***: 1 | 1

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

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

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	Table 915-1 Metals	SAR, EC, pH, boron	Lab Use Only	Sample Comment	Preservation non-conformance identified for sample.
24 BKG 8 3 Ft	SS	G	3/10/25	12:10	3/10/25	12:15	3			X	X		-1	
24 BKG 8 4 Ft	SS	G		10:40		10:45	3			X	X		-12	
24 BKG 9 1 Ft	SS	G		10:50		10:55	3			X	X		-13	
24 BKG 9 2 Ft	SS	G		11:00		11:05	3			X	X		-14	
24 BKG 9 3 Ft	SS	G		11:10		11:15	3			X	X		-15	
24 BKG 9 4 Ft	SS	G		11:20		11:25	3			X	X		-16	
24 BKG 10 1 Ft	SS	G		11:30		11:35	3			X	X		-17	
24 BKG 10 2 Ft	SS	G		11:40		11:45	3			X	X		-18	
24 BKG 10 3 Ft	SS	G		11:50		11:55	3			X	X		-19	
24 BKG 10 4 Ft	SS	G		12:00		12:05	3			X	X		-20	

Lab Use Only: Proj. Mgr: | AcctNum / Client ID: | Table #: | Profile / Template: | Prelog / Bottle Ord. ID:

Additional Instructions from Pace® :

Collected By: Jordan Suttles 3/10/2025

Printed Name

Signature Jordan Suttles

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: | Thermometer ID: | Correction Factor (°C): | Obs. Temp. (°C): | Corrected Temp. (°C): | [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Jordan Suttles	3/10/25 14:30		3/10/25 1500	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier
	3/10/25 1800	SwA		
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
		Bradley Beaton	03/11/2025 0800	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 2 of 4

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.

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

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

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Fremont Enivironmental, Inc.	Contact/Report To: Ethan Black, Paul Henehan, Jordan Suttles, Chevron Dist. List
Street Address: 8305 6th St. Wellington, CO 80549	Phone #: 603-477-6907
	E-Mail: ethanb@fremontenv.com, paulH@fremontenv.com, jordanS@fremontenv.com
	Cc E-Mail: danpeterson@chevron.com
Customer Project #: C023-037	Invoice to: Chevron
Project Name: Noble - Patriot B16-24	Invoice E-mail: Chevron Distribution List
Site Collection Info/Facility ID (as applicable):	Purchase Order # (if applicable): UWRWE-A2813-EXP
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [X] MT [ ] CT [ ] ET	County / State origin of sample(s): CO
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other Standard TAT
	Date Results Requested:
	DW PWSID # or WW Permit # as applicable:
	Field Filtered (if applicable): [ ] Yes [ ] No
	Analysis:

Specify Container Size **: 10

Identify Container Preservative Type***: 1

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Analysis Requested: Full Tabe 915-1

Lab Use Only: Proj. Mgr: / AcctNum / Client ID: / Table #: / Profile / Template: / Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample.

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

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	Sample Comment
N Wall 1 Ft (2)	SS	G	3/10/25	12:20	3/10/25	12:25	3			-21
N Wall 2 Ft	SS	G		12:30		12:35	3			-22
N Wall 3 Ft	SS	G		12:40		12:45	3			-23
N Wall 4 Ft	SS	G		12:50		12:55	3			-24
E Wall 1 Ft (2)	SS	G		13:00		13:05	3			-25
E Wall 2 Ft	SS	G		13:10		13:15	3			-26
E Wall 3 Ft	SS	G		13:20		13:25	3			-27
E Wall 4 Ft	SS	G		13:30		13:35	3			-28
S Wall 1 Ft (2)	SS	G		13:40		13:45	3			-29
S Wall 2 Ft	SS	G		13:50		13:55	3			-30

Additional Instructions from Pace® :

Collected By: Jordan Suttles AB 03/11/2025

Printed Name

Signature: Jordan Suttles

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Jordan Suttles	3/10/25 14:30		3/10/25 1900	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier
	3/10/25 1800	SWA		[ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
		Ashley Pounder	03/11/2025 0800	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 3 of 4

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.

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

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

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

L623340

Company Name: Fremont Enivironmental, Inc.	Contact/Report To: Ethan Black, Paul Henehan, Jordan Suttles, Chevron Dist. List
Street Address: 8305 6th St. Wellington, CO 80549	Phone #: 603-477-6907
	E-Mail: ethanb@fremontenv.com, paulH@fremontenv.com, jordanS@fremontenv.com
	Cc E-Mail: danpeterson@chevron.com
Customer Project #: C023-037	Invoice to: Chevron
Project Name: Noble - Patriot B16-24	Invoice E-mail: Chevron Distribution List
Site Collection Info/Facility ID (as applicable):	Purchase Order # (if applicable): UWRWE-A2813-EXP
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [X] MT [ ] CT [ ] ET	County / State origin of sample(s): CO
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other Standard TAT
	Date Results Requested:
	DW PWSID # or WW Permit # as applicable:
	Field Filtered (if applicable): [ ] Yes [ ] No
	Analysis:

Specify Container Size ** : 10

Identify Container Preservative Type*** : 1

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

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

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	Full Tabe 915-1	Sample Comment
S Wall 3 Ft	SS	G	3/10/25	8:05	3/10/25	8:10	3			X	-31
S Wall 4 Ft	SS	G		8:15		8:20	3			X	-32
Floor 2 Ft (2)	SS	G		8:25		8:30	3			X	-33
Floor 3 Ft	SS	G		8:35		8:40	3			X	-34
Floor 4 Ft	SS	G		8:45		8:50	3			X	-35

*8 03/11/2025

Sample Receipt Checklist

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

Containers: 105

Lab Use Only: Proj. Mgr: | AcctNum / Client ID: | Table #: | Profile / Template: | Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample.

Additional Instructions from Pace® :

Collected By: Jordan Suttles
Printed Name
Signature: Jordan Suttles

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: | Thermometer ID: | Correction Factor (°C): | Obs. Temp. (°C): | Corrected Temp. (°C): | [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Jordan Suttles	3/10/25 14:30		3/10/25 1500	
Relinquished by/Company: (Signature)	3/10/25 1800	SEWA		Delivered by: [ ] In-Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time: 03/11/2025 0800	

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.

Multiple Parcel Form L# 41834340

Parcel Tracking Number	Infrared Thermometer ID	Temperature Reading (°C)	Correction Factor (°C)	Corrected Temperature (°C)	Custody Seal Intact
SWA	TLA9	3.2	0.4	3.6	Yes / No / Not Present
SWA	TLA9	0.3	0.4	0.7	Yes / No / Not Present
SWA	TLA9	1.0	0.4	1.4	Yes / No / Not Present
SWA	TLA9	2.3	0.4	2.7	Yes / No / Not Present
SWA	TLA9	0.8	0.4	1.2	Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present

Ashley Baxter
Name

03/11/2025
Date