ANALYTICAL REPORT

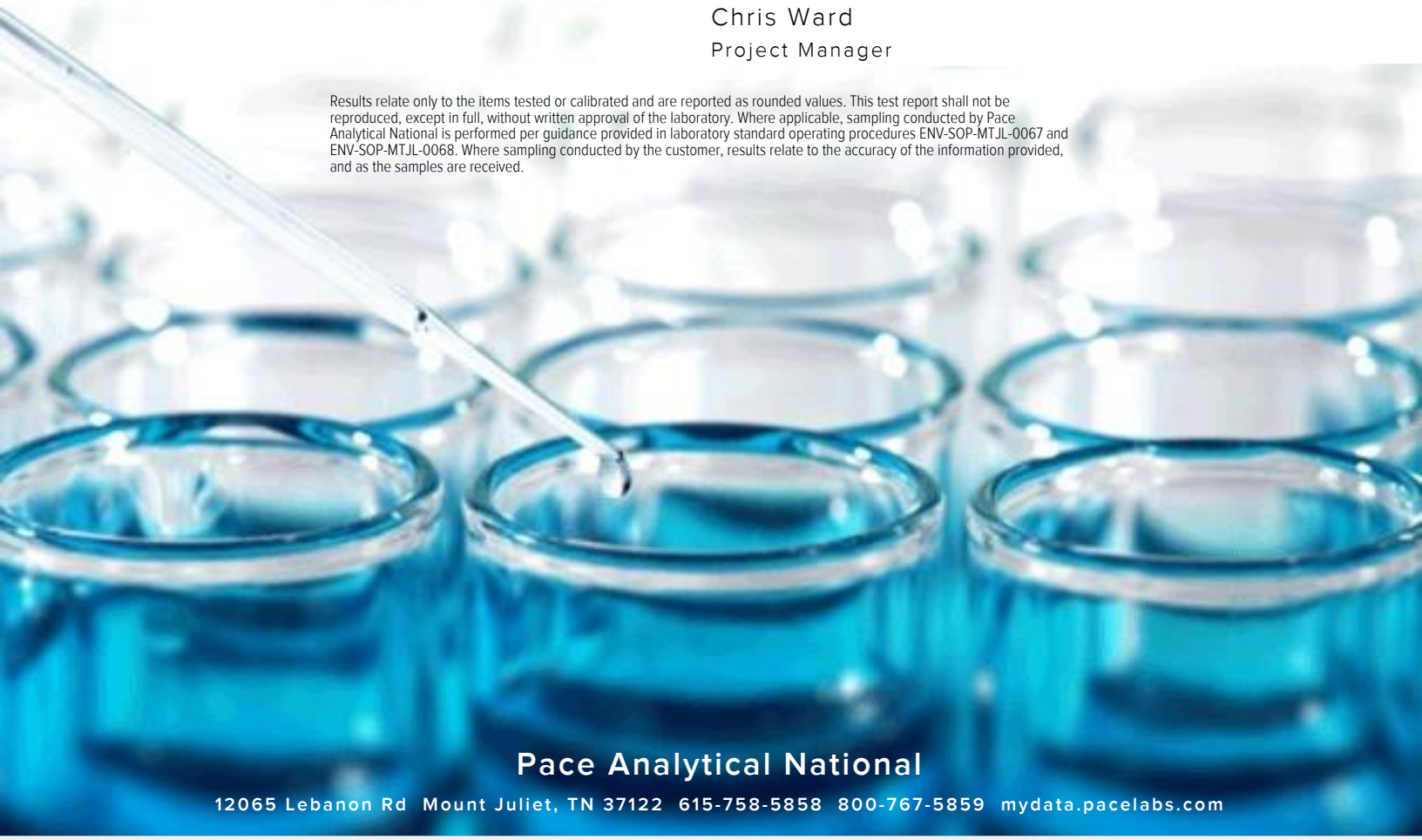
June 23, 2025

Chevron - CO

Sample Delivery Group:	L1864853
Samples Received:	05/31/2025
Project Number:	CO23-172
Description:	Sauer F33-33
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

WH01 2FT L1864853-01

Collected by	Collected date/time	Received date/time
	05/30/25 11:30	05/31/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2531821	1	06/08/25 13:39	06/08/25 13:39	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2531522	1	06/10/25 00:41	06/13/25 02:14	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2533685	1	06/08/25 14:12	06/08/25 16:58	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2533690	1	06/08/25 14:20	06/09/25 12:18	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2531827	1	06/07/25 17:55	06/08/25 11:39	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2532231	5	06/06/25 18:42	06/13/25 20:08	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2531152	1	06/03/25 13:46	06/05/25 06:49	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2530420	1	06/03/25 13:46	06/04/25 11:47	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2531574	10	06/06/25 14:44	06/07/25 02:49	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2530844	1	06/05/25 11:18	06/06/25 07:54	CMF	Mt. Juliet, TN

FL01 2FT L1864853-02

Collected by	Collected date/time	Received date/time
	05/30/25 11:40	05/31/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2531821	1	06/08/25 13:40	06/08/25 13:40	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2531522	1	06/10/25 00:41	06/13/25 14:24	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2533685	1	06/08/25 14:12	06/08/25 16:58	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2533690	1	06/08/25 14:20	06/09/25 12:18	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2531827	1	06/07/25 17:55	06/08/25 11:41	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2532231	5	06/06/25 18:42	06/13/25 20:17	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2531152	1	06/03/25 13:46	06/05/25 07:13	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2530420	1	06/03/25 13:46	06/04/25 12:06	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2531574	1	06/06/25 14:44	06/07/25 01:56	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2530844	1	06/05/25 11:18	06/06/25 04:04	CMF	Mt. Juliet, TN

FL02 2FT L1864853-03

Collected by	Collected date/time	Received date/time
	05/30/25 11:50	05/31/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2531821	1	06/08/25 13:42	06/08/25 13:42	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2531522	1	06/10/25 00:41	06/13/25 02:41	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2533685	1	06/08/25 14:12	06/08/25 16:58	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2533690	1	06/08/25 14:20	06/09/25 12:18	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2531827	1	06/07/25 17:55	06/08/25 11:43	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2532231	5	06/06/25 18:42	06/13/25 20:20	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2531152	1	06/03/25 13:46	06/05/25 07:38	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2530420	1	06/03/25 13:46	06/04/25 12:25	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2531574	1	06/06/25 14:44	06/07/25 01:03	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2530844	1	06/05/25 11:18	06/06/25 04:22	CMF	Mt. Juliet, TN

FL03 2FT L1864853-04

Collected by	Collected date/time	Received date/time
	05/30/25 12:00	05/31/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2531821	1	06/08/25 13:44	06/08/25 13:44	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2531522	1	06/10/25 00:41	06/13/25 02:50	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2533685	1	06/08/25 14:12	06/08/25 16:58	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2533690	1	06/08/25 14:20	06/09/25 12:18	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2531827	1	06/07/25 17:55	06/08/25 11:44	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2532231	5	06/06/25 18:42	06/13/25 20:24	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2531152	1	06/03/25 13:46	06/05/25 08:01	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2530420	1	06/03/25 13:46	06/04/25 12:44	JAH	Mt. Juliet, TN

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

FL03 2FT L1864853-04

Collected by	Collected date/time	Received date/time
	05/30/25 12:00	05/31/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2531574	1	06/06/25 14:44	06/07/25 01:16	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2530844	1	06/05/25 11:18	06/06/25 04:39	CMF	Mt. Juliet, TN

FL04 2FT L1864853-05

Collected by	Collected date/time	Received date/time
	05/30/25 12:10	05/31/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2531821	1	06/08/25 13:45	06/08/25 13:45	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2531522	1	06/10/25 00:41	06/13/25 02:59	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2533685	1	06/08/25 14:12	06/08/25 16:58	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2533690	1	06/08/25 14:20	06/09/25 12:18	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2531827	1	06/07/25 17:55	06/08/25 11:46	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2532231	5	06/06/25 18:42	06/13/25 20:27	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2531152	1	06/03/25 13:46	06/05/25 08:25	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2530420	1	06/03/25 13:46	06/04/25 13:03	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2531575	1	06/06/25 14:46	06/07/25 10:01	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2530844	1	06/05/25 11:18	06/06/25 04:57	CMF	Mt. Juliet, TN

FL05 2FT L1864853-06

Collected by	Collected date/time	Received date/time
	05/30/25 12:20	05/31/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2531821	1	06/08/25 13:47	06/08/25 13:47	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2531522	1	06/10/25 00:41	06/13/25 03:08	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2533685	1	06/08/25 14:12	06/08/25 16:58	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2533690	1	06/08/25 14:20	06/09/25 12:18	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2531827	1	06/07/25 17:55	06/08/25 11:51	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2532231	5	06/06/25 18:42	06/13/25 20:30	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2531152	1	06/03/25 13:46	06/05/25 08:49	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2530420	1	06/03/25 13:46	06/04/25 13:22	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2531575	1	06/06/25 14:46	06/07/25 01:38	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2530844	1	06/05/25 11:18	06/06/25 05:15	CMF	Mt. Juliet, TN

FL06 2FT L1864853-07

Collected by	Collected date/time	Received date/time
	05/30/25 12:30	05/31/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2530381	1	06/06/25 11:28	06/06/25 11:28	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2531522	1	06/10/25 00:41	06/13/25 03:17	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2532473	1	06/06/25 12:09	06/06/25 17:20	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2532476	1	06/06/25 12:11	06/06/25 19:30	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2530463	1	06/05/25 06:58	06/06/25 13:42	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2532231	5	06/06/25 18:42	06/13/25 20:33	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2532231	5	06/06/25 18:42	06/13/25 21:39	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2531152	1	06/03/25 13:46	06/05/25 09:14	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2530420	1	06/03/25 13:46	06/04/25 13:41	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2531575	1	06/06/25 14:46	06/07/25 01:23	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2530844	1	06/05/25 11:18	06/06/25 05:32	CMF	Mt. Juliet, TN

FL07 2FT L1864853-08

Collected by	Collected date/time	Received date/time
	05/30/25 12:40	05/31/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2530381	1	06/06/25 11:30	06/06/25 11:30	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2531522	1	06/10/25 00:41	06/13/25 03:43	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2532473	1	06/06/25 12:09	06/06/25 17:20	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2532476	1	06/06/25 12:11	06/06/25 19:30	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2530463	1	06/05/25 06:58	06/06/25 13:48	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2532231	5	06/06/25 18:42	06/13/25 20:36	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2531152	1	06/03/25 13:46	06/05/25 09:38	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2530420	1	06/03/25 13:46	06/04/25 14:00	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2531575	1	06/06/25 14:46	06/06/25 23:57	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2530844	1	06/05/25 11:18	06/06/25 05:50	CMF	Mt. Juliet, TN

FL08 2FT L1864853-09

Collected by	Collected date/time	Received date/time
	05/30/25 12:50	05/31/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2530381	1	06/06/25 11:31	06/06/25 11:31	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2531522	1	06/10/25 00:41	06/13/25 03:52	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2532473	1	06/06/25 12:09	06/06/25 17:20	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2532476	1	06/06/25 12:11	06/06/25 19:30	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2530463	1	06/05/25 06:58	06/06/25 13:49	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2532231	5	06/06/25 18:42	06/13/25 21:45	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2531152	1	06/03/25 13:46	06/05/25 10:02	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2530420	1	06/03/25 13:46	06/04/25 14:19	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2531575	1	06/06/25 14:46	06/07/25 00:25	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2530844	1	06/05/25 11:18	06/06/25 06:08	CMF	Mt. Juliet, TN

FL09 2FT L1864853-10

Collected by	Collected date/time	Received date/time
	05/30/25 13:00	05/31/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2530381	1	06/06/25 11:36	06/06/25 11:36	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2531522	1	06/10/25 00:41	06/13/25 04:01	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2532473	1	06/06/25 12:09	06/06/25 17:20	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2532476	1	06/06/25 12:11	06/06/25 19:30	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2530463	1	06/05/25 06:58	06/06/25 13:51	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2532231	5	06/06/25 18:42	06/13/25 20:43	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2532231	5	06/06/25 18:42	06/13/25 23:42	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2531152	1	06/03/25 13:46	06/05/25 10:26	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2530420	1	06/03/25 13:46	06/04/25 14:39	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2531575	1	06/06/25 14:46	06/07/25 02:35	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2530844	1	06/05/25 11:18	06/06/25 06:25	CMF	Mt. Juliet, TN

FL10 2FT L1864853-11

Collected by	Collected date/time	Received date/time
	05/30/25 13:10	05/31/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2530381	1	06/06/25 11:38	06/06/25 11:38	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2531522	1	06/10/25 00:41	06/13/25 04:10	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2532473	1	06/06/25 12:09	06/06/25 17:20	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2532476	1	06/06/25 12:11	06/06/25 19:30	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2530463	1	06/05/25 06:58	06/06/25 13:53	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2532231	5	06/06/25 18:42	06/13/25 21:42	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2531152	1	06/03/25 13:46	06/05/25 10:49	NCD	Mt. Juliet, TN

FL10 2FT L1864853-11

Collected by	Collected date/time	Received date/time
	05/30/25 13:10	05/31/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2530420	1	06/03/25 13:46	06/04/25 14:58	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2531575	1	06/06/25 14:46	06/07/25 02:50	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2530844	1	06/05/25 11:18	06/06/25 07:01	CMF	Mt. Juliet, TN

FL11 2FT L1864853-12

Collected by	Collected date/time	Received date/time
	05/30/25 13:20	05/31/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2530381	1	06/06/25 11:40	06/06/25 11:40	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2531522	1	06/10/25 00:41	06/13/25 04:19	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2532473	1	06/06/25 12:09	06/06/25 17:20	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2532476	1	06/06/25 12:11	06/06/25 19:30	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2530463	1	06/05/25 06:58	06/06/25 13:54	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2532231	5	06/06/25 18:42	06/13/25 20:46	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2531152	1	06/03/25 13:46	06/05/25 11:13	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2530420	1	06/03/25 13:46	06/04/25 15:17	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2531575	1	06/06/25 14:46	06/07/25 00:40	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2530844	1	06/05/25 11:18	06/06/25 06:43	CMF	Mt. Juliet, TN

FL12 2FT L1864853-13

Collected by	Collected date/time	Received date/time
	05/30/25 13:30	05/31/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2530381	1	06/06/25 11:41	06/06/25 11:41	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2531522	1	06/10/25 00:41	06/13/25 04:28	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2532473	1	06/06/25 12:09	06/06/25 17:20	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2532476	1	06/06/25 12:11	06/06/25 19:30	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2530463	1	06/05/25 06:58	06/06/25 13:56	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2532231	5	06/06/25 18:42	06/13/25 20:55	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2531152	1	06/03/25 13:46	06/05/25 11:36	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2530420	1	06/03/25 13:46	06/04/25 15:36	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2531575	1	06/06/25 14:46	06/07/25 01:52	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2532204	1	06/06/25 15:49	06/07/25 01:16	TKW	Mt. Juliet, TN

SEP01 2FT L1864853-14

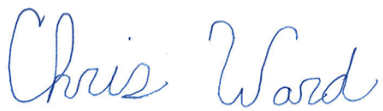
Collected by	Collected date/time	Received date/time
	05/30/25 13:40	05/31/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2530381	1	06/06/25 11:43	06/06/25 11:43	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2531522	1	06/10/25 00:41	06/13/25 04:37	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2532473	1	06/06/25 12:09	06/06/25 17:20	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2532476	1	06/06/25 12:11	06/06/25 19:30	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2530463	1	06/05/25 06:58	06/06/25 13:58	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2532231	5	06/06/25 18:42	06/13/25 20:59	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2532061	1	06/03/25 13:46	06/05/25 23:48	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2530420	1	06/03/25 13:46	06/04/25 15:55	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2531575	1	06/06/25 14:46	06/07/25 02:07	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2532204	1	06/06/25 15:49	06/07/25 01:34	TKW	Mt. Juliet, TN

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

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	1.24		1	06/08/2025 13:39	WG2531821

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.220		0.200	1	06/13/2025 02:14	WG2531522

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.36		1	06/08/2025 16:58	WG2533685

Sample Narrative:
L1864853-01 WG2533685: 8.36 at 24C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.251	mmhos/cm		0.0100	1	06/09/2025 12:18	WG2533690

Sample Narrative:
L1864853-01 WG2533690: 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	0.266		0.200	1	06/08/2025 11:39	WG2531827

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.78		0.100	5	06/13/2025 20:08	WG2532231
Barium	74.6		10.0	5	06/13/2025 20:08	WG2532231
Cadmium	0.532		0.100	5	06/13/2025 20:08	WG2532231
Copper	ND		10.0	5	06/13/2025 20:08	WG2532231
Lead	26.1		10.0	5	06/13/2025 20:08	WG2532231
Nickel	ND		10.0	5	06/13/2025 20:08	WG2532231
Selenium	0.491		0.100	5	06/13/2025 20:08	WG2532231
Silver	ND		0.500	5	06/13/2025 20:08	WG2532231
Zinc	ND		50.0	5	06/13/2025 20:08	WG2532231

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	06/05/2025 06:49	WG2531152
(S) a,a,a-Trifluorotoluene(FID)	*99.3*		*77.0-120*		*06/05/2025 06:49*	WG2531152

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	06/04/2025 11:47	WG2530420
Ethylbenzene	ND		0.0100	1	06/04/2025 11:47	WG2530420
Toluene	ND		0.0100	1	06/04/2025 11:47	WG2530420
1,2,4-Trimethylbenzene	ND	C3	0.00500	1	06/04/2025 11:47	WG2530420
1,3,5-Trimethylbenzene	ND		0.00500	1	06/04/2025 11:47	WG2530420
Xylenes, Total	ND		0.100	1	06/04/2025 11:47	WG2530420
(S) Toluene-d8	*95.4*		*75.0-131*		*06/04/2025 11:47*	WG2530420
(S) 4-Bromofluorobenzene	*101*		*67.0-138*		*06/04/2025 11:47*	WG2530420
(S) 1,2-Dichloroethane-d4	*102*		*70.0-130*		*06/04/2025 11:47*	WG2530420

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		40.0	10	06/07/2025 02:49	WG2531574
C28-C36 Motor Oil Range	48.4		40.0	10	06/07/2025 02:49	WG2531574
(S) o-Terphenyl	*24.2*		*18.0-148*		*06/07/2025 02:49*	WG2531574

Sample Narrative:

L1864853-01 WG2531574: Cannot run at lower dilution due to viscosity of extract

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	06/06/2025 07:54	WG2530844
Acenaphthene	ND		0.0330	1	06/06/2025 07:54	WG2530844
Acenaphthylene	ND		0.0330	1	06/06/2025 07:54	WG2530844
Benzo(a)anthracene	0.0225		0.00600	1	06/06/2025 07:54	WG2530844
Benzo(a)pyrene	ND		0.0330	1	06/06/2025 07:54	WG2530844
Benzo(b)fluoranthene	0.0368		0.0330	1	06/06/2025 07:54	WG2530844
Benzo(g,h,i)perylene	ND		0.0330	1	06/06/2025 07:54	WG2530844
Benzo(k)fluoranthene	ND		0.0330	1	06/06/2025 07:54	WG2530844
Chrysene	ND		0.0330	1	06/06/2025 07:54	WG2530844
Dibenz(a,h)anthracene	ND		0.0330	1	06/06/2025 07:54	WG2530844
Fluoranthene	ND		0.0330	1	06/06/2025 07:54	WG2530844
Fluorene	ND		0.0330	1	06/06/2025 07:54	WG2530844
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	06/06/2025 07:54	WG2530844
Naphthalene	ND		0.00300	1	06/06/2025 07:54	WG2530844
Phenanthrene	ND		0.0330	1	06/06/2025 07:54	WG2530844
Pyrene	ND		0.0330	1	06/06/2025 07:54	WG2530844
1-Methylnaphthalene	ND		0.00300	1	06/06/2025 07:54	WG2530844
2-Methylnaphthalene	ND		0.0120	1	06/06/2025 07:54	WG2530844
(S) p-Terphenyl-d14	*96.7*		*23.0-120*		*06/06/2025 07:54*	WG2530844
(S) Nitrobenzene-d5	*91.3*		*14.0-149*		*06/06/2025 07:54*	WG2530844
(S) 2-Fluorobiphenyl	*101*		*34.0-125*		*06/06/2025 07:54*	WG2530844

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.51		1	06/08/2025 13:40	WG2531821

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.205		0.200	1	06/13/2025 14:24	WG2531522

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.96		1	06/08/2025 16:58	WG2533685

Sample Narrative:

L1864853-02 WG2533685: 7.96 at 24C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.724	mmhos/cm		0.0100	1	06/09/2025 12:18	WG2533690

Sample Narrative:

L1864853-02 WG2533690: 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	0.342		0.200	1	06/08/2025 11:41	WG2531827

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.28		0.100	5	06/13/2025 20:17	WG2532231
Barium	54.6		10.0	5	06/13/2025 20:17	WG2532231
Cadmium	0.264		0.100	5	06/13/2025 20:17	WG2532231
Copper	ND		10.0	5	06/13/2025 20:17	WG2532231
Lead	ND		10.0	5	06/13/2025 20:17	WG2532231
Nickel	ND		10.0	5	06/13/2025 20:17	WG2532231
Selenium	0.426		0.100	5	06/13/2025 20:17	WG2532231
Silver	ND		0.500	5	06/13/2025 20:17	WG2532231
Zinc	ND		50.0	5	06/13/2025 20:17	WG2532231

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	06/05/2025 07:13	WG2531152
(S) a,a,a-Trifluorotoluene(FID)	*99.2*		*77.0-120*		*06/05/2025 07:13*	WG2531152

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	06/04/2025 12:06	WG2530420
Ethylbenzene	ND		0.0100	1	06/04/2025 12:06	WG2530420
Toluene	ND		0.0100	1	06/04/2025 12:06	WG2530420
1,2,4-Trimethylbenzene	ND	C3	0.00500	1	06/04/2025 12:06	WG2530420
1,3,5-Trimethylbenzene	ND		0.00500	1	06/04/2025 12:06	WG2530420
Xylenes, Total	ND		0.100	1	06/04/2025 12:06	WG2530420
(S) Toluene-d8	*88.6*		*75.0-131*		*06/04/2025 12:06*	WG2530420
(S) 4-Bromofluorobenzene	*98.1*		*67.0-138*		*06/04/2025 12:06*	WG2530420
(S) 1,2-Dichloroethane-d4	*85.4*		*70.0-130*		*06/04/2025 12:06*	WG2530420

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	06/07/2025 01:56	WG2531574
C28-C36 Motor Oil Range	ND		4.00	1	06/07/2025 01:56	WG2531574
(S) o-Terphenyl	*45.2*		*18.0-148*		*06/07/2025 01:56*	WG2531574

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	06/06/2025 04:04	WG2530844
Acenaphthene	ND		0.0330	1	06/06/2025 04:04	WG2530844
Acenaphthylene	ND		0.0330	1	06/06/2025 04:04	WG2530844
Benzo(a)anthracene	ND		0.00600	1	06/06/2025 04:04	WG2530844
Benzo(a)pyrene	ND		0.0330	1	06/06/2025 04:04	WG2530844
Benzo(b)fluoranthene	ND		0.0330	1	06/06/2025 04:04	WG2530844
Benzo(g,h,i)perylene	ND		0.0330	1	06/06/2025 04:04	WG2530844
Benzo(k)fluoranthene	ND		0.0330	1	06/06/2025 04:04	WG2530844
Chrysene	ND		0.0330	1	06/06/2025 04:04	WG2530844
Dibenz(a,h)anthracene	ND		0.0330	1	06/06/2025 04:04	WG2530844
Fluoranthene	ND		0.0330	1	06/06/2025 04:04	WG2530844
Fluorene	ND		0.0330	1	06/06/2025 04:04	WG2530844
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	06/06/2025 04:04	WG2530844
Naphthalene	ND		0.00300	1	06/06/2025 04:04	WG2530844
Phenanthrene	ND		0.0330	1	06/06/2025 04:04	WG2530844
Pyrene	ND		0.0330	1	06/06/2025 04:04	WG2530844
1-Methylnaphthalene	ND		0.00300	1	06/06/2025 04:04	WG2530844
2-Methylnaphthalene	ND		0.0120	1	06/06/2025 04:04	WG2530844
(S) p-Terphenyl-d14	*98.9*		*23.0-120*		*06/06/2025 04:04*	WG2530844
(S) Nitrobenzene-d5	*88.2*		*14.0-149*		*06/06/2025 04:04*	WG2530844
(S) 2-Fluorobiphenyl	*97.7*		*34.0-125*		*06/06/2025 04:04*	WG2530844

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.70		1	06/08/2025 13:42	WG2531821

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.255		0.200	1	06/13/2025 02:41	WG2531522

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.63		1	06/08/2025 16:58	WG2533685

Sample Narrative:

L1864853-03 WG2533685: 7.63 at 24.1C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.445	mmhos/cm		0.0100	1	06/09/2025 12:18	WG2533690

Sample Narrative:

L1864853-03 WG2533690: 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	06/08/2025 11:43	WG2531827

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.72		0.100	5	06/13/2025 20:20	WG2532231
Barium	108		10.0	5	06/13/2025 20:20	WG2532231
Cadmium	0.249		0.100	5	06/13/2025 20:20	WG2532231
Copper	12.3		10.0	5	06/13/2025 20:20	WG2532231
Lead	ND		10.0	5	06/13/2025 20:20	WG2532231
Nickel	10.1		10.0	5	06/13/2025 20:20	WG2532231
Selenium	0.587		0.100	5	06/13/2025 20:20	WG2532231
Silver	ND		0.500	5	06/13/2025 20:20	WG2532231
Zinc	51.2		50.0	5	06/13/2025 20:20	WG2532231

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	06/05/2025 07:38	WG2531152
(S) a,a,a-Trifluorotoluene(FID)	*101*		*77.0-120*		*06/05/2025 07:38*	WG2531152

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	06/04/2025 12:25	WG2530420
Ethylbenzene	ND		0.0100	1	06/04/2025 12:25	WG2530420
Toluene	ND		0.0100	1	06/04/2025 12:25	WG2530420
1,2,4-Trimethylbenzene	ND	C3	0.00500	1	06/04/2025 12:25	WG2530420
1,3,5-Trimethylbenzene	ND		0.00500	1	06/04/2025 12:25	WG2530420
Xylenes, Total	ND		0.100	1	06/04/2025 12:25	WG2530420
(S) Toluene-d8	*94.2*		*75.0-131*		*06/04/2025 12:25*	WG2530420
(S) 4-Bromofluorobenzene	*101*		*67.0-138*		*06/04/2025 12:25*	WG2530420
(S) 1,2-Dichloroethane-d4	*107*		*70.0-130*		*06/04/2025 12:25*	WG2530420

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	06/07/2025 01:03	WG2531574
C28-C36 Motor Oil Range	ND		4.00	1	06/07/2025 01:03	WG2531574
(S) o-Terphenyl	*34.8*		*18.0-148*		*06/07/2025 01:03*	WG2531574

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	06/06/2025 04:22	WG2530844
Acenaphthene	ND		0.0330	1	06/06/2025 04:22	WG2530844
Acenaphthylene	ND		0.0330	1	06/06/2025 04:22	WG2530844
Benzo(a)anthracene	ND		0.00600	1	06/06/2025 04:22	WG2530844
Benzo(a)pyrene	ND		0.0330	1	06/06/2025 04:22	WG2530844
Benzo(b)fluoranthene	ND		0.0330	1	06/06/2025 04:22	WG2530844
Benzo(g,h,i)perylene	ND		0.0330	1	06/06/2025 04:22	WG2530844
Benzo(k)fluoranthene	ND		0.0330	1	06/06/2025 04:22	WG2530844
Chrysene	ND		0.0330	1	06/06/2025 04:22	WG2530844
Dibenz(a,h)anthracene	ND		0.0330	1	06/06/2025 04:22	WG2530844
Fluoranthene	ND		0.0330	1	06/06/2025 04:22	WG2530844
Fluorene	ND		0.0330	1	06/06/2025 04:22	WG2530844
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	06/06/2025 04:22	WG2530844
Naphthalene	ND		0.00300	1	06/06/2025 04:22	WG2530844
Phenanthrene	ND		0.0330	1	06/06/2025 04:22	WG2530844
Pyrene	ND		0.0330	1	06/06/2025 04:22	WG2530844
1-Methylnaphthalene	ND		0.00300	1	06/06/2025 04:22	WG2530844
2-Methylnaphthalene	ND		0.0120	1	06/06/2025 04:22	WG2530844
(S) p-Terphenyl-d14	*104*		*23.0-120*		*06/06/2025 04:22*	WG2530844
(S) Nitrobenzene-d5	*90.6*		*14.0-149*		*06/06/2025 04:22*	WG2530844
(S) 2-Fluorobiphenyl	*102*		*34.0-125*		*06/06/2025 04:22*	WG2530844

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.50		1	06/08/2025 13:44	WG2531821

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	06/13/2025 02:50	WG2531522

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.08		1	06/08/2025 16:58	WG2533685

Sample Narrative:

L1864853-04 WG2533685: 8.08 at 23.8C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.699	mmhos/cm		0.0100	1	06/09/2025 12:18	WG2533690

Sample Narrative:

L1864853-04 WG2533690: 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	0.356		0.200	1	06/08/2025 11:44	WG2531827

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.74		0.100	5	06/13/2025 20:24	WG2532231
Barium	128		10.0	5	06/13/2025 20:24	WG2532231
Cadmium	0.196		0.100	5	06/13/2025 20:24	WG2532231
Copper	ND		10.0	5	06/13/2025 20:24	WG2532231
Lead	ND		10.0	5	06/13/2025 20:24	WG2532231
Nickel	ND		10.0	5	06/13/2025 20:24	WG2532231
Selenium	0.467		0.100	5	06/13/2025 20:24	WG2532231
Silver	ND		0.500	5	06/13/2025 20:24	WG2532231
Zinc	ND		50.0	5	06/13/2025 20:24	WG2532231

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	06/05/2025 08:01	WG2531152
(S) a,a,a-Trifluorotoluene(FID)	*98.9*		*77.0-120*		*06/05/2025 08:01*	WG2531152

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	06/04/2025 12:44	WG2530420
Ethylbenzene	ND		0.0100	1	06/04/2025 12:44	WG2530420
Toluene	ND		0.0100	1	06/04/2025 12:44	WG2530420
1,2,4-Trimethylbenzene	ND	C3	0.00500	1	06/04/2025 12:44	WG2530420
1,3,5-Trimethylbenzene	ND		0.00500	1	06/04/2025 12:44	WG2530420
Xylenes, Total	ND		0.100	1	06/04/2025 12:44	WG2530420
(S) Toluene-d8	*94.6*		*75.0-131*		*06/04/2025 12:44*	WG2530420
(S) 4-Bromofluorobenzene	*99.1*		*67.0-138*		*06/04/2025 12:44*	WG2530420
(S) 1,2-Dichloroethane-d4	*102*		*70.0-130*		*06/04/2025 12:44*	WG2530420

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	06/07/2025 01:16	WG2531574
C28-C36 Motor Oil Range	ND		4.00	1	06/07/2025 01:16	WG2531574
(S) o-Terphenyl	*33.9*		*18.0-148*		*06/07/2025 01:16*	WG2531574

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	06/06/2025 04:39	WG2530844
Acenaphthene	ND		0.0330	1	06/06/2025 04:39	WG2530844
Acenaphthylene	ND		0.0330	1	06/06/2025 04:39	WG2530844
Benzo(a)anthracene	ND		0.00600	1	06/06/2025 04:39	WG2530844
Benzo(a)pyrene	ND		0.0330	1	06/06/2025 04:39	WG2530844
Benzo(b)fluoranthene	ND		0.0330	1	06/06/2025 04:39	WG2530844
Benzo(g,h,i)perylene	ND		0.0330	1	06/06/2025 04:39	WG2530844
Benzo(k)fluoranthene	ND		0.0330	1	06/06/2025 04:39	WG2530844
Chrysene	ND		0.0330	1	06/06/2025 04:39	WG2530844
Dibenz(a,h)anthracene	ND		0.0330	1	06/06/2025 04:39	WG2530844
Fluoranthene	ND		0.0330	1	06/06/2025 04:39	WG2530844
Fluorene	ND		0.0330	1	06/06/2025 04:39	WG2530844
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	06/06/2025 04:39	WG2530844
Naphthalene	ND		0.00300	1	06/06/2025 04:39	WG2530844
Phenanthrene	ND		0.0330	1	06/06/2025 04:39	WG2530844
Pyrene	ND		0.0330	1	06/06/2025 04:39	WG2530844
1-Methylnaphthalene	ND		0.00300	1	06/06/2025 04:39	WG2530844
2-Methylnaphthalene	ND		0.0120	1	06/06/2025 04:39	WG2530844
(S) p-Terphenyl-d14	*102*		*23.0-120*		*06/06/2025 04:39*	WG2530844
(S) Nitrobenzene-d5	*87.8*		*14.0-149*		*06/06/2025 04:39*	WG2530844
(S) 2-Fluorobiphenyl	*103*		*34.0-125*		*06/06/2025 04:39*	WG2530844

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.17		1	06/08/2025 13:45	WG2531821

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.210		0.200	1	06/13/2025 02:59	WG2531522

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.99		1	06/08/2025 16:58	WG2533685

Sample Narrative:

L1864853-05 WG2533685: 7.99 at 23.8C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.640	mmhos/cm		0.0100	1	06/09/2025 12:18	WG2533690

Sample Narrative:

L1864853-05 WG2533690: 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	0.509		0.200	1	06/08/2025 11:46	WG2531827

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.41		0.100	5	06/13/2025 20:27	WG2532231
Barium	114		10.0	5	06/13/2025 20:27	WG2532231
Cadmium	0.281		0.100	5	06/13/2025 20:27	WG2532231
Copper	10.5		10.0	5	06/13/2025 20:27	WG2532231
Lead	10.8		10.0	5	06/13/2025 20:27	WG2532231
Nickel	ND		10.0	5	06/13/2025 20:27	WG2532231
Selenium	0.539		0.100	5	06/13/2025 20:27	WG2532231
Silver	ND		0.500	5	06/13/2025 20:27	WG2532231
Zinc	ND		50.0	5	06/13/2025 20:27	WG2532231

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	06/05/2025 08:25	WG2531152
(S) a,a,a-Trifluorotoluene(FID)	*100*		*77.0-120*		*06/05/2025 08:25*	WG2531152

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	06/04/2025 13:03	WG2530420
Ethylbenzene	ND		0.0100	1	06/04/2025 13:03	WG2530420
Toluene	ND		0.0100	1	06/04/2025 13:03	WG2530420
1,2,4-Trimethylbenzene	ND	C3	0.00500	1	06/04/2025 13:03	WG2530420
1,3,5-Trimethylbenzene	ND		0.00500	1	06/04/2025 13:03	WG2530420
Xylenes, Total	ND		0.100	1	06/04/2025 13:03	WG2530420
(S) Toluene-d8	*94.9*		*75.0-131*		*06/04/2025 13:03*	WG2530420
(S) 4-Bromofluorobenzene	*101*		*67.0-138*		*06/04/2025 13:03*	WG2530420
(S) 1,2-Dichloroethane-d4	*103*		*70.0-130*		*06/04/2025 13:03*	WG2530420

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	06/07/2025 10:01	WG2531575
C28-C36 Motor Oil Range	ND		4.00	1	06/07/2025 10:01	WG2531575
(S) o-Terphenyl	*56.7*		*18.0-148*		*06/07/2025 10:01*	WG2531575

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	06/06/2025 04:57	WG2530844
Acenaphthene	ND		0.0330	1	06/06/2025 04:57	WG2530844
Acenaphthylene	ND		0.0330	1	06/06/2025 04:57	WG2530844
Benzo(a)anthracene	ND		0.00600	1	06/06/2025 04:57	WG2530844
Benzo(a)pyrene	ND		0.0330	1	06/06/2025 04:57	WG2530844
Benzo(b)fluoranthene	ND		0.0330	1	06/06/2025 04:57	WG2530844
Benzo(g,h,i)perylene	ND		0.0330	1	06/06/2025 04:57	WG2530844
Benzo(k)fluoranthene	ND		0.0330	1	06/06/2025 04:57	WG2530844
Chrysene	ND		0.0330	1	06/06/2025 04:57	WG2530844
Dibenz(a,h)anthracene	ND		0.0330	1	06/06/2025 04:57	WG2530844
Fluoranthene	ND		0.0330	1	06/06/2025 04:57	WG2530844
Fluorene	ND		0.0330	1	06/06/2025 04:57	WG2530844
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	06/06/2025 04:57	WG2530844
Naphthalene	ND		0.00300	1	06/06/2025 04:57	WG2530844
Phenanthrene	ND		0.0330	1	06/06/2025 04:57	WG2530844
Pyrene	ND		0.0330	1	06/06/2025 04:57	WG2530844
1-Methylnaphthalene	ND		0.00300	1	06/06/2025 04:57	WG2530844
2-Methylnaphthalene	ND		0.0120	1	06/06/2025 04:57	WG2530844
(S) p-Terphenyl-d14	*105*		*23.0-120*		*06/06/2025 04:57*	WG2530844
(S) Nitrobenzene-d5	*92.2*		*14.0-149*		*06/06/2025 04:57*	WG2530844
(S) 2-Fluorobiphenyl	*103*		*34.0-125*		*06/06/2025 04:57*	WG2530844

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.39		1	06/08/2025 13:47	WG2531821

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.288		0.200	1	06/13/2025 03:08	WG2531522

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.04		1	06/08/2025 16:58	WG2533685

Sample Narrative:

L1864853-06 WG2533685: 8.04 at 23.8C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.692	mmhos/cm		0.0100	1	06/09/2025 12:18	WG2533690

Sample Narrative:

L1864853-06 WG2533690: 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	0.642		0.200	1	06/08/2025 11:51	WG2531827

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.15		0.100	5	06/13/2025 20:30	WG2532231
Barium	74.0		10.0	5	06/13/2025 20:30	WG2532231
Cadmium	0.304		0.100	5	06/13/2025 20:30	WG2532231
Copper	11.5		10.0	5	06/13/2025 20:30	WG2532231
Lead	12.8		10.0	5	06/13/2025 20:30	WG2532231
Nickel	ND		10.0	5	06/13/2025 20:30	WG2532231
Selenium	0.594		0.100	5	06/13/2025 20:30	WG2532231
Silver	ND		0.500	5	06/13/2025 20:30	WG2532231
Zinc	50.9		50.0	5	06/13/2025 20:30	WG2532231

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	06/05/2025 08:49	WG2531152
(S) a,a,a-Trifluorotoluene(FID)	*100*		*77.0-120*		*06/05/2025 08:49*	WG2531152

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	06/04/2025 13:22	WG2530420
Ethylbenzene	ND		0.0100	1	06/04/2025 13:22	WG2530420
Toluene	ND		0.0100	1	06/04/2025 13:22	WG2530420
1,2,4-Trimethylbenzene	ND	C3	0.00500	1	06/04/2025 13:22	WG2530420
1,3,5-Trimethylbenzene	ND		0.00500	1	06/04/2025 13:22	WG2530420
Xylenes, Total	ND		0.100	1	06/04/2025 13:22	WG2530420
(S) Toluene-d8	*95.8*		*75.0-131*		*06/04/2025 13:22*	WG2530420
(S) 4-Bromofluorobenzene	*101*		*67.0-138*		*06/04/2025 13:22*	WG2530420
(S) 1,2-Dichloroethane-d4	*102*		*70.0-130*		*06/04/2025 13:22*	WG2530420

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	06/07/2025 01:38	WG2531575
C28-C36 Motor Oil Range	ND		4.00	1	06/07/2025 01:38	WG2531575
(S) o-Terphenyl	*49.1*		*18.0-148*		*06/07/2025 01:38*	WG2531575

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	06/06/2025 05:15	WG2530844
Acenaphthene	ND		0.0330	1	06/06/2025 05:15	WG2530844
Acenaphthylene	ND		0.0330	1	06/06/2025 05:15	WG2530844
Benzo(a)anthracene	ND		0.00600	1	06/06/2025 05:15	WG2530844
Benzo(a)pyrene	ND		0.0330	1	06/06/2025 05:15	WG2530844
Benzo(b)fluoranthene	ND		0.0330	1	06/06/2025 05:15	WG2530844
Benzo(g,h,i)perylene	ND		0.0330	1	06/06/2025 05:15	WG2530844
Benzo(k)fluoranthene	ND		0.0330	1	06/06/2025 05:15	WG2530844
Chrysene	ND		0.0330	1	06/06/2025 05:15	WG2530844
Dibenz(a,h)anthracene	ND		0.0330	1	06/06/2025 05:15	WG2530844
Fluoranthene	ND		0.0330	1	06/06/2025 05:15	WG2530844
Fluorene	ND		0.0330	1	06/06/2025 05:15	WG2530844
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	06/06/2025 05:15	WG2530844
Naphthalene	ND		0.00300	1	06/06/2025 05:15	WG2530844
Phenanthrene	ND		0.0330	1	06/06/2025 05:15	WG2530844
Pyrene	ND		0.0330	1	06/06/2025 05:15	WG2530844
1-Methylnaphthalene	ND		0.00300	1	06/06/2025 05:15	WG2530844
2-Methylnaphthalene	ND		0.0120	1	06/06/2025 05:15	WG2530844
(S) p-Terphenyl-d14	*93.7*		*23.0-120*		*06/06/2025 05:15*	WG2530844
(S) Nitrobenzene-d5	*84.3*		*14.0-149*		*06/06/2025 05:15*	WG2530844
(S) 2-Fluorobiphenyl	*94.6*		*34.0-125*		*06/06/2025 05:15*	WG2530844

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.368		1	06/06/2025 11:28	WG2530381

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.276		0.200	1	06/13/2025 03:17	WG2531522

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.05		1	06/06/2025 17:20	WG2532473

Sample Narrative:

L1864853-07 WG2532473: 8.05 at 23.4C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.330	mmhos/cm		0.0100	1	06/06/2025 19:30	WG2532476

Sample Narrative:

L1864853-07 WG2532476: 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	0.228		0.200	1	06/06/2025 13:42	WG2530463

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.15		0.100	5	06/13/2025 20:33	WG2532231
Barium	286		10.0	5	06/13/2025 20:33	WG2532231
Cadmium	0.159		0.100	5	06/13/2025 20:33	WG2532231
Copper	10.5		10.0	5	06/13/2025 20:33	WG2532231
Lead	ND		10.0	5	06/13/2025 20:33	WG2532231
Nickel	ND		10.0	5	06/13/2025 20:33	WG2532231
Selenium	0.483		0.100	5	06/13/2025 21:39	WG2532231
Silver	ND		0.500	5	06/13/2025 20:33	WG2532231
Zinc	ND		50.0	5	06/13/2025 20:33	WG2532231

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	06/05/2025 09:14	WG2531152
(S) a,a,a-Trifluorotoluene(FID)	*99.3*		*77.0-120*		*06/05/2025 09:14*	WG2531152

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	06/04/2025 13:41	WG2530420
Ethylbenzene	ND		0.0100	1	06/04/2025 13:41	WG2530420
Toluene	ND		0.0100	1	06/04/2025 13:41	WG2530420
1,2,4-Trimethylbenzene	ND	C3	0.00500	1	06/04/2025 13:41	WG2530420
1,3,5-Trimethylbenzene	ND		0.00500	1	06/04/2025 13:41	WG2530420
Xylenes, Total	ND		0.100	1	06/04/2025 13:41	WG2530420
(S) Toluene-d8	*95.3*		*75.0-131*		*06/04/2025 13:41*	WG2530420
(S) 4-Bromofluorobenzene	*97.4*		*67.0-138*		*06/04/2025 13:41*	WG2530420
(S) 1,2-Dichloroethane-d4	*100*		*70.0-130*		*06/04/2025 13:41*	WG2530420

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	06/07/2025 01:23	WG2531575
C28-C36 Motor Oil Range	4.60		4.00	1	06/07/2025 01:23	WG2531575
(S) o-Terphenyl	*64.9*		*18.0-148*		*06/07/2025 01:23*	WG2531575

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	06/06/2025 05:32	WG2530844
Acenaphthene	ND		0.0330	1	06/06/2025 05:32	WG2530844
Acenaphthylene	ND		0.0330	1	06/06/2025 05:32	WG2530844
Benzo(a)anthracene	ND		0.00600	1	06/06/2025 05:32	WG2530844
Benzo(a)pyrene	ND		0.0330	1	06/06/2025 05:32	WG2530844
Benzo(b)fluoranthene	ND		0.0330	1	06/06/2025 05:32	WG2530844
Benzo(g,h,i)perylene	ND		0.0330	1	06/06/2025 05:32	WG2530844
Benzo(k)fluoranthene	ND		0.0330	1	06/06/2025 05:32	WG2530844
Chrysene	ND		0.0330	1	06/06/2025 05:32	WG2530844
Dibenz(a,h)anthracene	ND		0.0330	1	06/06/2025 05:32	WG2530844
Fluoranthene	ND		0.0330	1	06/06/2025 05:32	WG2530844
Fluorene	ND		0.0330	1	06/06/2025 05:32	WG2530844
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	06/06/2025 05:32	WG2530844
Naphthalene	ND		0.00300	1	06/06/2025 05:32	WG2530844
Phenanthrene	ND		0.0330	1	06/06/2025 05:32	WG2530844
Pyrene	ND		0.0330	1	06/06/2025 05:32	WG2530844
1-Methylnaphthalene	ND		0.00300	1	06/06/2025 05:32	WG2530844
2-Methylnaphthalene	ND		0.0120	1	06/06/2025 05:32	WG2530844
(S) p-Terphenyl-d14	*101*		*23.0-120*		*06/06/2025 05:32*	WG2530844
(S) Nitrobenzene-d5	*91.2*		*14.0-149*		*06/06/2025 05:32*	WG2530844
(S) 2-Fluorobiphenyl	*101*		*34.0-125*		*06/06/2025 05:32*	WG2530844

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.21		1	06/06/2025 11:30	WG2530381

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	06/13/2025 03:43	WG2531522

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.28		1	06/06/2025 17:20	WG2532473

Sample Narrative:

L1864853-08 WG2532473: 8.28 at 23.4C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.453	mmhos/cm		0.0100	1	06/06/2025 19:30	WG2532476

Sample Narrative:

L1864853-08 WG2532476: 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	0.412		0.200	1	06/06/2025 13:48	WG2530463

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.88		0.100	5	06/13/2025 20:36	WG2532231
Barium	78.3		10.0	5	06/13/2025 20:36	WG2532231
Cadmium	ND		0.100	5	06/13/2025 20:36	WG2532231
Copper	ND		10.0	5	06/13/2025 20:36	WG2532231
Lead	ND		10.0	5	06/13/2025 20:36	WG2532231
Nickel	ND		10.0	5	06/13/2025 20:36	WG2532231
Selenium	0.205		0.100	5	06/13/2025 20:36	WG2532231
Silver	ND		0.500	5	06/13/2025 20:36	WG2532231
Zinc	ND		50.0	5	06/13/2025 20:36	WG2532231

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	06/05/2025 09:38	WG2531152
(S) a,a,a-Trifluorotoluene(FID)	*100*		*77.0-120*		*06/05/2025 09:38*	WG2531152

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	06/04/2025 14:00	WG2530420
Ethylbenzene	ND		0.0100	1	06/04/2025 14:00	WG2530420
Toluene	ND		0.0100	1	06/04/2025 14:00	WG2530420
1,2,4-Trimethylbenzene	ND	C3	0.00500	1	06/04/2025 14:00	WG2530420
1,3,5-Trimethylbenzene	ND		0.00500	1	06/04/2025 14:00	WG2530420
Xylenes, Total	ND		0.100	1	06/04/2025 14:00	WG2530420
(S) Toluene-d8	*94.9*		*75.0-131*		*06/04/2025 14:00*	WG2530420
(S) 4-Bromofluorobenzene	*105*		*67.0-138*		*06/04/2025 14:00*	WG2530420
(S) 1,2-Dichloroethane-d4	*108*		*70.0-130*		*06/04/2025 14:00*	WG2530420

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	06/06/2025 23:57	WG2531575
C28-C36 Motor Oil Range	ND		4.00	1	06/06/2025 23:57	WG2531575
(S) o-Terphenyl	*70.1*		*18.0-148*		*06/06/2025 23:57*	WG2531575

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	06/06/2025 05:50	WG2530844
Acenaphthene	ND		0.0330	1	06/06/2025 05:50	WG2530844
Acenaphthylene	ND		0.0330	1	06/06/2025 05:50	WG2530844
Benzo(a)anthracene	ND		0.00600	1	06/06/2025 05:50	WG2530844
Benzo(a)pyrene	ND		0.0330	1	06/06/2025 05:50	WG2530844
Benzo(b)fluoranthene	ND		0.0330	1	06/06/2025 05:50	WG2530844
Benzo(g,h,i)perylene	ND		0.0330	1	06/06/2025 05:50	WG2530844
Benzo(k)fluoranthene	ND		0.0330	1	06/06/2025 05:50	WG2530844
Chrysene	ND		0.0330	1	06/06/2025 05:50	WG2530844
Dibenz(a,h)anthracene	ND		0.0330	1	06/06/2025 05:50	WG2530844
Fluoranthene	ND		0.0330	1	06/06/2025 05:50	WG2530844
Fluorene	ND		0.0330	1	06/06/2025 05:50	WG2530844
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	06/06/2025 05:50	WG2530844
Naphthalene	ND		0.00300	1	06/06/2025 05:50	WG2530844
Phenanthrene	ND		0.0330	1	06/06/2025 05:50	WG2530844
Pyrene	ND		0.0330	1	06/06/2025 05:50	WG2530844
1-Methylnaphthalene	ND		0.00300	1	06/06/2025 05:50	WG2530844
2-Methylnaphthalene	ND		0.0120	1	06/06/2025 05:50	WG2530844
(S) p-Terphenyl-d14	*101*		*23.0-120*		*06/06/2025 05:50*	WG2530844
(S) Nitrobenzene-d5	*83.0*		*14.0-149*		*06/06/2025 05:50*	WG2530844
(S) 2-Fluorobiphenyl	*102*		*34.0-125*		*06/06/2025 05:50*	WG2530844

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.74		1	06/06/2025 11:31	WG2530381

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.226		0.200	1	06/13/2025 03:52	WG2531522

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.12		1	06/06/2025 17:20	WG2532473

Sample Narrative:

L1864853-09 WG2532473: 8.12 at 23.4C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.803	mmhos/cm		0.0100	1	06/06/2025 19:30	WG2532476

Sample Narrative:

L1864853-09 WG2532476: 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	0.488		0.200	1	06/06/2025 13:49	WG2530463

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.00		0.100	5	06/13/2025 21:45	WG2532231
Barium	99.0		10.0	5	06/13/2025 21:45	WG2532231
Cadmium	0.184		0.100	5	06/13/2025 21:45	WG2532231
Copper	ND		10.0	5	06/13/2025 21:45	WG2532231
Lead	ND		10.0	5	06/13/2025 21:45	WG2532231
Nickel	ND		10.0	5	06/13/2025 21:45	WG2532231
Selenium	0.449		0.100	5	06/13/2025 21:45	WG2532231
Silver	ND		0.500	5	06/13/2025 21:45	WG2532231
Zinc	55.1		50.0	5	06/13/2025 21:45	WG2532231

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	06/05/2025 10:02	WG2531152
(S) a,a,a-Trifluorotoluene(FID)	*99.9*		*77.0-120*		*06/05/2025 10:02*	WG2531152

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	06/04/2025 14:19	WG2530420
Ethylbenzene	ND		0.0100	1	06/04/2025 14:19	WG2530420
Toluene	ND		0.0100	1	06/04/2025 14:19	WG2530420
1,2,4-Trimethylbenzene	ND	C3	0.00500	1	06/04/2025 14:19	WG2530420
1,3,5-Trimethylbenzene	ND		0.00500	1	06/04/2025 14:19	WG2530420
Xylenes, Total	ND		0.100	1	06/04/2025 14:19	WG2530420
(S) Toluene-d8	*97.1*		*75.0-131*		*06/04/2025 14:19*	WG2530420
(S) 4-Bromofluorobenzene	*102*		*67.0-138*		*06/04/2025 14:19*	WG2530420
(S) 1,2-Dichloroethane-d4	*97.4*		*70.0-130*		*06/04/2025 14:19*	WG2530420

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	06/07/2025 00:25	WG2531575
C28-C36 Motor Oil Range	ND		4.00	1	06/07/2025 00:25	WG2531575
(S) o-Terphenyl	*56.4*		*18.0-148*		*06/07/2025 00:25*	WG2531575

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	06/06/2025 06:08	WG2530844
Acenaphthene	ND		0.0330	1	06/06/2025 06:08	WG2530844
Acenaphthylene	ND		0.0330	1	06/06/2025 06:08	WG2530844
Benzo(a)anthracene	ND		0.00600	1	06/06/2025 06:08	WG2530844
Benzo(a)pyrene	ND		0.0330	1	06/06/2025 06:08	WG2530844
Benzo(b)fluoranthene	ND		0.0330	1	06/06/2025 06:08	WG2530844
Benzo(g,h,i)perylene	ND		0.0330	1	06/06/2025 06:08	WG2530844
Benzo(k)fluoranthene	ND		0.0330	1	06/06/2025 06:08	WG2530844
Chrysene	ND		0.0330	1	06/06/2025 06:08	WG2530844
Dibenz(a,h)anthracene	ND		0.0330	1	06/06/2025 06:08	WG2530844
Fluoranthene	ND		0.0330	1	06/06/2025 06:08	WG2530844
Fluorene	ND		0.0330	1	06/06/2025 06:08	WG2530844
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	06/06/2025 06:08	WG2530844
Naphthalene	ND		0.00300	1	06/06/2025 06:08	WG2530844
Phenanthrene	ND		0.0330	1	06/06/2025 06:08	WG2530844
Pyrene	ND		0.0330	1	06/06/2025 06:08	WG2530844
1-Methylnaphthalene	ND		0.00300	1	06/06/2025 06:08	WG2530844
2-Methylnaphthalene	ND		0.0120	1	06/06/2025 06:08	WG2530844
(S) p-Terphenyl-d14	*97.9*		*23.0-120*		*06/06/2025 06:08*	WG2530844
(S) Nitrobenzene-d5	*84.4*		*14.0-149*		*06/06/2025 06:08*	WG2530844
(S) 2-Fluorobiphenyl	*97.0*		*34.0-125*		*06/06/2025 06:08*	WG2530844

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.59		1	06/06/2025 11:36	WG2530381

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.345		0.200	1	06/13/2025 04:01	WG2531522

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.92		1	06/06/2025 17:20	WG2532473

Sample Narrative:

L1864853-10 WG2532473: 7.92 at 23.3C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.744	mmhos/cm		0.0100	1	06/06/2025 19:30	WG2532476

Sample Narrative:

L1864853-10 WG2532476: 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	0.913		0.200	1	06/06/2025 13:51	WG2530463

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.46		0.100	5	06/13/2025 20:43	WG2532231
Barium	138		10.0	5	06/13/2025 20:43	WG2532231
Cadmium	0.202		0.100	5	06/13/2025 20:43	WG2532231
Copper	10.2		10.0	5	06/13/2025 20:43	WG2532231
Lead	ND		10.0	5	06/13/2025 20:43	WG2532231
Nickel	10.5		10.0	5	06/13/2025 20:43	WG2532231
Selenium	0.241		0.100	5	06/13/2025 23:42	WG2532231
Silver	ND		0.500	5	06/13/2025 20:43	WG2532231
Zinc	ND		50.0	5	06/13/2025 20:43	WG2532231

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	06/05/2025 10:26	WG2531152
(S) a,a,a-Trifluorotoluene(FID)	*101*		*77.0-120*		*06/05/2025 10:26*	WG2531152

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	06/04/2025 14:39	WG2530420
Ethylbenzene	ND		0.0100	1	06/04/2025 14:39	WG2530420
Toluene	ND		0.0100	1	06/04/2025 14:39	WG2530420
1,2,4-Trimethylbenzene	ND	C3	0.00500	1	06/04/2025 14:39	WG2530420
1,3,5-Trimethylbenzene	ND		0.00500	1	06/04/2025 14:39	WG2530420
Xylenes, Total	ND		0.100	1	06/04/2025 14:39	WG2530420
(S) Toluene-d8	*95.2*		*75.0-131*		*06/04/2025 14:39*	WG2530420
(S) 4-Bromofluorobenzene	*99.9*		*67.0-138*		*06/04/2025 14:39*	WG2530420
(S) 1,2-Dichloroethane-d4	*95.6*		*70.0-130*		*06/04/2025 14:39*	WG2530420

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	06/07/2025 02:35	WG2531575
C28-C36 Motor Oil Range	21.9		4.00	1	06/07/2025 02:35	WG2531575
(S) o-Terphenyl	*60.2*		*18.0-148*		*06/07/2025 02:35*	WG2531575

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	06/06/2025 06:25	WG2530844
Acenaphthene	ND		0.0330	1	06/06/2025 06:25	WG2530844
Acenaphthylene	ND		0.0330	1	06/06/2025 06:25	WG2530844
Benzo(a)anthracene	ND		0.00600	1	06/06/2025 06:25	WG2530844
Benzo(a)pyrene	ND		0.0330	1	06/06/2025 06:25	WG2530844
Benzo(b)fluoranthene	ND		0.0330	1	06/06/2025 06:25	WG2530844
Benzo(g,h,i)perylene	ND		0.0330	1	06/06/2025 06:25	WG2530844
Benzo(k)fluoranthene	ND		0.0330	1	06/06/2025 06:25	WG2530844
Chrysene	ND		0.0330	1	06/06/2025 06:25	WG2530844
Dibenz(a,h)anthracene	ND		0.0330	1	06/06/2025 06:25	WG2530844
Fluoranthene	ND		0.0330	1	06/06/2025 06:25	WG2530844
Fluorene	ND		0.0330	1	06/06/2025 06:25	WG2530844
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	06/06/2025 06:25	WG2530844
Naphthalene	ND		0.00300	1	06/06/2025 06:25	WG2530844
Phenanthrene	ND		0.0330	1	06/06/2025 06:25	WG2530844
Pyrene	ND		0.0330	1	06/06/2025 06:25	WG2530844
1-Methylnaphthalene	ND		0.00300	1	06/06/2025 06:25	WG2530844
2-Methylnaphthalene	ND		0.0120	1	06/06/2025 06:25	WG2530844
(S) p-Terphenyl-d14	*95.3*		*23.0-120*		*06/06/2025 06:25*	WG2530844
(S) Nitrobenzene-d5	*86.9*		*14.0-149*		*06/06/2025 06:25*	WG2530844
(S) 2-Fluorobiphenyl	*96.0*		*34.0-125*		*06/06/2025 06:25*	WG2530844

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.94		1	06/06/2025 11:38	WG2530381

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.242		0.200	1	06/13/2025 04:10	WG2531522

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.90		1	06/06/2025 17:20	WG2532473

Sample Narrative:

L1864853-11 WG2532473: 7.9 at 23.2C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1.32	mmhos/cm		0.0100	1	06/06/2025 19:30	WG2532476

Sample Narrative:

L1864853-11 WG2532476: 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	0.388		0.200	1	06/06/2025 13:53	WG2530463

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.47		0.100	5	06/13/2025 21:42	WG2532231
Barium	80.8		10.0	5	06/13/2025 21:42	WG2532231
Cadmium	0.285		0.100	5	06/13/2025 21:42	WG2532231
Copper	10.4		10.0	5	06/13/2025 21:42	WG2532231
Lead	10.9		10.0	5	06/13/2025 21:42	WG2532231
Nickel	ND		10.0	5	06/13/2025 21:42	WG2532231
Selenium	0.511		0.100	5	06/13/2025 21:42	WG2532231
Silver	ND		0.500	5	06/13/2025 21:42	WG2532231
Zinc	ND		50.0	5	06/13/2025 21:42	WG2532231

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	06/05/2025 10:49	WG2531152
(S) a,a,a-Trifluorotoluene(FID)	*100*		*77.0-120*		*06/05/2025 10:49*	WG2531152

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	06/04/2025 14:58	WG2530420
Ethylbenzene	ND		0.0100	1	06/04/2025 14:58	WG2530420
Toluene	ND		0.0100	1	06/04/2025 14:58	WG2530420
1,2,4-Trimethylbenzene	ND	C3	0.00500	1	06/04/2025 14:58	WG2530420
1,3,5-Trimethylbenzene	ND		0.00500	1	06/04/2025 14:58	WG2530420
Xylenes, Total	ND		0.100	1	06/04/2025 14:58	WG2530420
(S) Toluene-d8	*97.9*		*75.0-131*		*06/04/2025 14:58*	WG2530420
(S) 4-Bromofluorobenzene	*101*		*67.0-138*		*06/04/2025 14:58*	WG2530420
(S) 1,2-Dichloroethane-d4	*90.9*		*70.0-130*		*06/04/2025 14:58*	WG2530420

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	06/07/2025 02:50	WG2531575
C28-C36 Motor Oil Range	20.6		4.00	1	06/07/2025 02:50	WG2531575
(S) o-Terphenyl	*68.6*		*18.0-148*		*06/07/2025 02:50*	WG2531575

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	06/06/2025 07:01	WG2530844
Acenaphthene	ND		0.0330	1	06/06/2025 07:01	WG2530844
Acenaphthylene	ND		0.0330	1	06/06/2025 07:01	WG2530844
Benzo(a)anthracene	ND		0.00600	1	06/06/2025 07:01	WG2530844
Benzo(a)pyrene	ND		0.0330	1	06/06/2025 07:01	WG2530844
Benzo(b)fluoranthene	ND		0.0330	1	06/06/2025 07:01	WG2530844
Benzo(g,h,i)perylene	ND		0.0330	1	06/06/2025 07:01	WG2530844
Benzo(k)fluoranthene	ND		0.0330	1	06/06/2025 07:01	WG2530844
Chrysene	ND		0.0330	1	06/06/2025 07:01	WG2530844
Dibenz(a,h)anthracene	ND		0.0330	1	06/06/2025 07:01	WG2530844
Fluoranthene	ND		0.0330	1	06/06/2025 07:01	WG2530844
Fluorene	ND		0.0330	1	06/06/2025 07:01	WG2530844
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	06/06/2025 07:01	WG2530844
Naphthalene	ND		0.00300	1	06/06/2025 07:01	WG2530844
Phenanthrene	ND		0.0330	1	06/06/2025 07:01	WG2530844
Pyrene	ND		0.0330	1	06/06/2025 07:01	WG2530844
1-Methylnaphthalene	ND		0.00300	1	06/06/2025 07:01	WG2530844
2-Methylnaphthalene	ND		0.0120	1	06/06/2025 07:01	WG2530844
(S) p-Terphenyl-d14	*111*		*23.0-120*		*06/06/2025 07:01*	WG2530844
(S) Nitrobenzene-d5	*93.8*		*14.0-149*		*06/06/2025 07:01*	WG2530844
(S) 2-Fluorobiphenyl	*110*		*34.0-125*		*06/06/2025 07:01*	WG2530844

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.77		1	06/06/2025 11:40	WG2530381

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.231		0.200	1	06/13/2025 04:19	WG2531522

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.17		1	06/06/2025 17:20	WG2532473

Sample Narrative:
L1864853-12 WG2532473: 8.17 at 23.1C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.567	mmhos/cm		0.0100	1	06/06/2025 19:30	WG2532476

Sample Narrative:
L1864853-12 WG2532476: 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	0.430		0.200	1	06/06/2025 13:54	WG2530463

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.22		0.100	5	06/13/2025 20:46	WG2532231
Barium	50.3		10.0	5	06/13/2025 20:46	WG2532231
Cadmium	0.166		0.100	5	06/13/2025 20:46	WG2532231
Copper	ND		10.0	5	06/13/2025 20:46	WG2532231
Lead	ND		10.0	5	06/13/2025 20:46	WG2532231
Nickel	ND		10.0	5	06/13/2025 20:46	WG2532231
Selenium	0.356		0.100	5	06/13/2025 20:46	WG2532231
Silver	ND		0.500	5	06/13/2025 20:46	WG2532231
Zinc	ND		50.0	5	06/13/2025 20:46	WG2532231

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	06/05/2025 11:13	WG2531152
(S) a,a,a-Trifluorotoluene(FID)	*101*		*77.0-120*		*06/05/2025 11:13*	WG2531152

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	06/04/2025 15:17	WG2530420
Ethylbenzene	ND		0.0100	1	06/04/2025 15:17	WG2530420
Toluene	ND		0.0100	1	06/04/2025 15:17	WG2530420
1,2,4-Trimethylbenzene	ND	C3	0.00500	1	06/04/2025 15:17	WG2530420
1,3,5-Trimethylbenzene	ND		0.00500	1	06/04/2025 15:17	WG2530420
Xylenes, Total	ND		0.100	1	06/04/2025 15:17	WG2530420
(S) Toluene-d8	*96.3*		*75.0-131*		*06/04/2025 15:17*	WG2530420
(S) 4-Bromofluorobenzene	*98.8*		*67.0-138*		*06/04/2025 15:17*	WG2530420
(S) 1,2-Dichloroethane-d4	*94.4*		*70.0-130*		*06/04/2025 15:17*	WG2530420

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	06/07/2025 00:40	WG2531575
C28-C36 Motor Oil Range	ND		4.00	1	06/07/2025 00:40	WG2531575
(S) o-Terphenyl	*61.8*		*18.0-148*		*06/07/2025 00:40*	WG2531575

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	06/06/2025 06:43	WG2530844
Acenaphthene	ND		0.0330	1	06/06/2025 06:43	WG2530844
Acenaphthylene	ND		0.0330	1	06/06/2025 06:43	WG2530844
Benzo(a)anthracene	ND		0.00600	1	06/06/2025 06:43	WG2530844
Benzo(a)pyrene	ND		0.0330	1	06/06/2025 06:43	WG2530844
Benzo(b)fluoranthene	ND		0.0330	1	06/06/2025 06:43	WG2530844
Benzo(g,h,i)perylene	ND		0.0330	1	06/06/2025 06:43	WG2530844
Benzo(k)fluoranthene	ND		0.0330	1	06/06/2025 06:43	WG2530844
Chrysene	ND		0.0330	1	06/06/2025 06:43	WG2530844
Dibenz(a,h)anthracene	ND		0.0330	1	06/06/2025 06:43	WG2530844
Fluoranthene	ND		0.0330	1	06/06/2025 06:43	WG2530844
Fluorene	ND		0.0330	1	06/06/2025 06:43	WG2530844
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	06/06/2025 06:43	WG2530844
Naphthalene	ND		0.00300	1	06/06/2025 06:43	WG2530844
Phenanthrene	ND		0.0330	1	06/06/2025 06:43	WG2530844
Pyrene	ND		0.0330	1	06/06/2025 06:43	WG2530844
1-Methylnaphthalene	ND		0.00300	1	06/06/2025 06:43	WG2530844
2-Methylnaphthalene	ND		0.0120	1	06/06/2025 06:43	WG2530844
(S) p-Terphenyl-d14	*106*		*23.0-120*		*06/06/2025 06:43*	WG2530844
(S) Nitrobenzene-d5	*92.1*		*14.0-149*		*06/06/2025 06:43*	WG2530844
(S) 2-Fluorobiphenyl	*106*		*34.0-125*		*06/06/2025 06:43*	WG2530844

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.857		1	06/06/2025 11:41	WG2530381

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.340		0.200	1	06/13/2025 04:28	WG2531522

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.21		1	06/06/2025 17:20	WG2532473

Sample Narrative:

L1864853-13 WG2532473: 8.21 at 23.1C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.418	mmhos/cm		0.0100	1	06/06/2025 19:30	WG2532476

Sample Narrative:

L1864853-13 WG2532476: 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	0.281		0.200	1	06/06/2025 13:56	WG2530463

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.37		0.100	5	06/13/2025 20:55	WG2532231
Barium	67.1		10.0	5	06/13/2025 20:55	WG2532231
Cadmium	0.196		0.100	5	06/13/2025 20:55	WG2532231
Copper	ND		10.0	5	06/13/2025 20:55	WG2532231
Lead	ND		10.0	5	06/13/2025 20:55	WG2532231
Nickel	ND		10.0	5	06/13/2025 20:55	WG2532231
Selenium	0.451		0.100	5	06/13/2025 20:55	WG2532231
Silver	ND		0.500	5	06/13/2025 20:55	WG2532231
Zinc	ND		50.0	5	06/13/2025 20:55	WG2532231

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	06/05/2025 11:36	WG2531152
(S) a,a,a-Trifluorotoluene(FID)	*101*		*77.0-120*		*06/05/2025 11:36*	WG2531152

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	06/04/2025 15:36	WG2530420
Ethylbenzene	ND		0.0100	1	06/04/2025 15:36	WG2530420
Toluene	ND		0.0100	1	06/04/2025 15:36	WG2530420
1,2,4-Trimethylbenzene	ND	C3	0.00500	1	06/04/2025 15:36	WG2530420
1,3,5-Trimethylbenzene	ND		0.00500	1	06/04/2025 15:36	WG2530420
Xylenes, Total	ND		0.100	1	06/04/2025 15:36	WG2530420
(S) Toluene-d8	*95.6*		*75.0-131*		*06/04/2025 15:36*	WG2530420
(S) 4-Bromofluorobenzene	*101*		*67.0-138*		*06/04/2025 15:36*	WG2530420
(S) 1,2-Dichloroethane-d4	*98.1*		*70.0-130*		*06/04/2025 15:36*	WG2530420

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	06/07/2025 01:52	WG2531575
C28-C36 Motor Oil Range	7.11		4.00	1	06/07/2025 01:52	WG2531575
(S) o-Terphenyl	*67.5*		*18.0-148*		*06/07/2025 01:52*	WG2531575

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	06/07/2025 01:16	WG2532204
Acenaphthene	ND		0.0330	1	06/07/2025 01:16	WG2532204
Acenaphthylene	ND		0.0330	1	06/07/2025 01:16	WG2532204
Benzo(a)anthracene	ND		0.00600	1	06/07/2025 01:16	WG2532204
Benzo(a)pyrene	ND		0.0330	1	06/07/2025 01:16	WG2532204
Benzo(b)fluoranthene	ND		0.0330	1	06/07/2025 01:16	WG2532204
Benzo(g,h,i)perylene	ND		0.0330	1	06/07/2025 01:16	WG2532204
Benzo(k)fluoranthene	ND		0.0330	1	06/07/2025 01:16	WG2532204
Chrysene	ND		0.0330	1	06/07/2025 01:16	WG2532204
Dibenz(a,h)anthracene	ND		0.0330	1	06/07/2025 01:16	WG2532204
Fluoranthene	ND		0.0330	1	06/07/2025 01:16	WG2532204
Fluorene	ND		0.0330	1	06/07/2025 01:16	WG2532204
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	06/07/2025 01:16	WG2532204
Naphthalene	ND		0.00300	1	06/07/2025 01:16	WG2532204
Phenanthrene	ND		0.0330	1	06/07/2025 01:16	WG2532204
Pyrene	ND		0.0330	1	06/07/2025 01:16	WG2532204
1-Methylnaphthalene	ND		0.00300	1	06/07/2025 01:16	WG2532204
2-Methylnaphthalene	ND		0.0120	1	06/07/2025 01:16	WG2532204
(S) p-Terphenyl-d14	*107*		*23.0-120*		*06/07/2025 01:16*	WG2532204
(S) Nitrobenzene-d5	*102*		*14.0-149*		*06/07/2025 01:16*	WG2532204
(S) 2-Fluorobiphenyl	*112*		*34.0-125*		*06/07/2025 01:16*	WG2532204

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.218		1	06/06/2025 11:43	WG2530381

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.283		0.200	1	06/13/2025 04:37	WG2531522

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.13		1	06/06/2025 17:20	WG2532473

Sample Narrative:

L1864853-14 WG2532473: 8.13 at 23.4C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.301	mmhos/cm		0.0100	1	06/06/2025 19:30	WG2532476

Sample Narrative:

L1864853-14 WG2532476: 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	0.713		0.200	1	06/06/2025 13:58	WG2530463

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.54		0.100	5	06/13/2025 20:59	WG2532231
Barium	70.3		10.0	5	06/13/2025 20:59	WG2532231
Cadmium	0.229		0.100	5	06/13/2025 20:59	WG2532231
Copper	ND		10.0	5	06/13/2025 20:59	WG2532231
Lead	ND		10.0	5	06/13/2025 20:59	WG2532231
Nickel	ND		10.0	5	06/13/2025 20:59	WG2532231
Selenium	0.433		0.100	5	06/13/2025 20:59	WG2532231
Silver	ND		0.500	5	06/13/2025 20:59	WG2532231
Zinc	ND		50.0	5	06/13/2025 20:59	WG2532231

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	06/05/2025 23:48	WG2532061
(S) a,a,a-Trifluorotoluene(FID)	*92.3*		*77.0-120*		*06/05/2025 23:48*	WG2532061

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	06/04/2025 15:55	WG2530420
Ethylbenzene	ND		0.0100	1	06/04/2025 15:55	WG2530420
Toluene	ND		0.0100	1	06/04/2025 15:55	WG2530420
1,2,4-Trimethylbenzene	ND	C3	0.00500	1	06/04/2025 15:55	WG2530420
1,3,5-Trimethylbenzene	ND		0.00500	1	06/04/2025 15:55	WG2530420
Xylenes, Total	ND		0.100	1	06/04/2025 15:55	WG2530420
(S) Toluene-d8	*96.3*		*75.0-131*		*06/04/2025 15:55*	WG2530420
(S) 4-Bromofluorobenzene	*100*		*67.0-138*		*06/04/2025 15:55*	WG2530420
(S) 1,2-Dichloroethane-d4	*91.9*		*70.0-130*		*06/04/2025 15:55*	WG2530420

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	06/07/2025 02:07	WG2531575
C28-C36 Motor Oil Range	ND		4.00	1	06/07/2025 02:07	WG2531575
(S) o-Terphenyl	*72.4*		*18.0-148*		*06/07/2025 02:07*	WG2531575

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	06/07/2025 01:34	WG2532204
Acenaphthene	ND		0.0330	1	06/07/2025 01:34	WG2532204
Acenaphthylene	ND		0.0330	1	06/07/2025 01:34	WG2532204
Benzo(a)anthracene	ND		0.00600	1	06/07/2025 01:34	WG2532204
Benzo(a)pyrene	ND		0.0330	1	06/07/2025 01:34	WG2532204
Benzo(b)fluoranthene	ND		0.0330	1	06/07/2025 01:34	WG2532204
Benzo(g,h,i)perylene	ND		0.0330	1	06/07/2025 01:34	WG2532204
Benzo(k)fluoranthene	ND		0.0330	1	06/07/2025 01:34	WG2532204
Chrysene	ND		0.0330	1	06/07/2025 01:34	WG2532204
Dibenz(a,h)anthracene	ND		0.0330	1	06/07/2025 01:34	WG2532204
Fluoranthene	ND		0.0330	1	06/07/2025 01:34	WG2532204
Fluorene	ND		0.0330	1	06/07/2025 01:34	WG2532204
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	06/07/2025 01:34	WG2532204
Naphthalene	ND		0.00300	1	06/07/2025 01:34	WG2532204
Phenanthrene	ND		0.0330	1	06/07/2025 01:34	WG2532204
Pyrene	ND		0.0330	1	06/07/2025 01:34	WG2532204
1-Methylnaphthalene	ND		0.00300	1	06/07/2025 01:34	WG2532204
2-Methylnaphthalene	ND		0.0120	1	06/07/2025 01:34	WG2532204
(S) p-Terphenyl-d14	*53.7*		*23.0-120*		*06/07/2025 01:34*	WG2532204
(S) Nitrobenzene-d5	*62.5*		*14.0-149*		*06/07/2025 01:34*	WG2532204
(S) 2-Fluorobiphenyl	*59.0*		*34.0-125*		*06/07/2025 01:34*	WG2532204

Method Blank (MB)

(MB) R4229928-1 06/13/25 01:56

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

L1864853-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1864853-01 06/13/25 02:14 • (DUP) R4229928-3 06/13/25 02:23

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Hexavalent Chromium	0.220	0.225	1	1.98		20

L1865249-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1865249-12 06/13/25 06:07 • (DUP) R4229928-8 06/13/25 06:16

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) R4229928-2 06/13/25 02:05

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	

L1865249-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1865249-09 06/13/25 04:46 • (MS) R4229928-4 06/13/25 04:55 • (MSD) R4229928-5 06/13/25 05:04

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	20.2	20.7	101	103	1	75.0-125			2.26	20

L1865249-09 Original Sample (OS) • Matrix Spike (MS)

(OS) L1865249-09 06/13/25 04:46 • (MS) R4229928-6 06/13/25 05:31

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	648	ND	606	93.5	50	75.0-125	

L1864386-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1864386-02 06/06/25 17:20 • (DUP) R4226893-2 06/06/25 17:20

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.39	8.40	1	0.119		1

Sample Narrative:

OS: 8.39 at 23.8C

DUP: 8.4 at 23.8C

L1864858-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1864858-05 06/06/25 17:20 • (DUP) R4226893-3 06/06/25 17:20

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.87	7.90	1	0.380		1

Sample Narrative:

OS: 7.87 at 23.3C

DUP: 7.9 at 23.4C

Laboratory Control Sample (LCS)

(LCS) R4226893-1 06/06/25 17:20

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	su	su	%	%	
pH	10.0	9.97	99.7	99.0-101	

Sample Narrative:

LCS: 9.97 at 23.3C

L1864840-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1864840-01 06/08/25 16:58 • (DUP) R4227331-2 06/08/25 16:58

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	9.42	9.43	1	0.106		1

Sample Narrative:

OS: 9.42 at 24C

DUP: 9.43 at 24.3C

L1865821-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1865821-02 06/08/25 16:58 • (DUP) R4227331-3 06/08/25 16:58

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.20	7.20	1	0.000		1

Sample Narrative:

OS: 7.2 at 23.5C

DUP: 7.2 at 24C

Laboratory Control Sample (LCS)

(LCS) R4227331-1 06/08/25 16:58

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	su	su	%	%	
pH	10.0	9.97	99.7	99.0-101	

Sample Narrative:

LCS: 9.97 at 23.7C

Method Blank (MB)

(MB) R4226874-1 06/06/25 19:30

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

Sample Narrative:
BLANK: at 25C

L1864386-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1864386-03 06/06/25 19:30 • (DUP) R4226874-3 06/06/25 19:30

Analyte	Original Result mmhos/cm	DUP Result mmhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	ND	3.56	1	0.281		20

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

L1864858-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1864858-04 06/06/25 19:30 • (DUP) R4226874-4 06/06/25 19:30

Analyte	Original Result mmhos/cm	DUP Result mmhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	ND	0.698	1	0.000		20

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

Laboratory Control Sample (LCS)

(LCS) R4226874-2 06/06/25 19:30

Analyte	Spike Amount mmhos/cm	LCS Result mmhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	0.581	0.587	101	90.0-110	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4227558-1 06/09/25 12:18

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

Sample Narrative:
BLANK: at 25C

L1864840-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1864840-01 06/09/25 12:18 • (DUP) R4227558-3 06/09/25 12:18

Analyte	Original Result mmhos/cm	DUP Result mmhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	0.665	0.660	1	0.755		20

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

L1865821-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1865821-02 06/09/25 12:18 • (DUP) R4227558-4 06/09/25 12:18

Analyte	Original Result mmhos/cm	DUP Result mmhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	0.283	0.287	1	1.33		20

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

Laboratory Control Sample (LCS)

(LCS) R4227558-2 06/09/25 12:18

Analyte	Spike Amount mmhos/cm	LCS Result mmhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	0.581	0.604	104	90.0-110	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4226809-1 06/06/25 13:27

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) R4226809-2 06/06/25 13:28 • (LCSD) R4226809-3 06/06/25 13:30

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Hot Water Sol. Boron	1.00	1.05	1.03	105	103	80.0-120			1.76	20

Method Blank (MB)

(MB) R4227304-1 06/08/25 11:31

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) R4227304-2 06/08/25 11:33 • (LCSD) R4227304-3 06/08/25 11:34

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Hot Water Sol. Boron	1.00	1.08	1.09	108	109	80.0-120			1.15	20

Method Blank (MB)

(MB) R4230226-1 06/13/25 19:39

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.100	0.100
Barium	U		10.0	10.0
Cadmium	U		0.100	0.100
Copper	U		10.0	10.0
Lead	U		10.0	10.0
Nickel	U		10.0	10.0
Selenium	U		0.100	0.100
Silver	U		0.500	0.500
Zinc	U		50.0	50.0

Laboratory Control Sample (LCS)

(LCS) R4230226-2 06/13/25 19:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	105	105	80.0-120	
Barium	100	107	107	80.0-120	
Cadmium	100	111	111	80.0-120	
Copper	100	107	107	80.0-120	
Lead	100	106	106	80.0-120	
Nickel	100	111	111	80.0-120	
Selenium	100	104	104	80.0-120	
Silver	20.0	21.4	107	80.0-120	
Zinc	100	105	105	80.0-120	

L1864853-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1864853-11 06/13/25 21:42 • (MS) R4230226-5 06/13/25 19:55 • (MSD) R4230226-6 06/13/25 19:58

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	2.47	100	92.7	97.7	90.2	5	75.0-125			7.73	20
Barium	100	80.8	188	177	107	96.6	5	75.0-125			5.93	20
Cadmium	100	0.285	103	95.6	102	95.3	5	75.0-125			7.20	20
Copper	100	10.4	112	102	101	91.4	5	75.0-125			9.16	20
Lead	100	10.9	110	105	99.1	94.5	5	75.0-125			4.26	20
Nickel	100	ND	109	100	103	94.3	5	75.0-125			8.30	20
Selenium	100	0.511	97.0	91.4	96.5	90.8	5	75.0-125			5.99	20
Silver	20.0	ND	20.0	18.7	99.6	92.8	5	75.0-125			7.04	20
Zinc	100	ND	148	137	104	92.9	5	75.0-125	J5	J5	7.75	20

Method Blank (MB)

(MB) R4226286-2 06/05/25 01:06

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0800	0.100
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4226286-1 06/05/25 00:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	3.93	78.6	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*103*	*77.0-120*	

Method Blank (MB)

(MB) R4226770-3 06/05/25 23:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0800	0.100
(S) a,a,a-Trifluorotoluene(FID)	*97.3*			*77.0-120*

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

(LCS) R4226770-1 06/05/25 22:22 • (LCSD) R4226770-2 06/05/25 22:41

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.00	4.73	4.68	94.6	93.6	72.0-127			1.06	20
(S) a,a,a-Trifluorotoluene(FID)				*107*	*106*	*77.0-120*				

Method Blank (MB)

(MB) R4226016-3 06/04/25 10:35

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.00100	0.00100
Ethylbenzene	U		0.0100	0.0100
Toluene	U		0.0100	0.0100
1,2,4-Trimethylbenzene	U		0.00500	0.00500
1,3,5-Trimethylbenzene	U		0.00500	0.00500
Xylenes, Total	U		0.100	0.100
(S) Toluene-d8	*94.5*			*75.0-131*
(S) 4-Bromofluorobenzene	*99.1*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*

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

(LCS) R4226016-1 06/04/25 09:01 • (LCSD) R4226016-2 06/04/25 09:20

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	0.123	0.130	98.4	104	70.0-123			5.53	20
Ethylbenzene	0.125	0.111	0.121	88.8	96.8	74.0-126			8.62	20
Toluene	0.125	0.110	0.119	88.0	95.2	75.0-121			7.86	20
1,2,4-Trimethylbenzene	0.125	0.0989	0.109	79.1	87.2	70.0-126			9.72	20
1,3,5-Trimethylbenzene	0.125	0.104	0.110	83.2	88.0	73.0-127			5.61	20
Xylenes, Total	0.375	0.316	0.340	84.3	90.7	72.0-127			7.32	20
(S) Toluene-d8				*98.7*	*98.9*	*75.0-131*				
(S) 4-Bromofluorobenzene				*96.8*	*95.4*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*108*	*106*	*70.0-130*				

L1864870-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1864870-06 06/04/25 17:50 • (MS) R4226016-4 06/04/25 18:09 • (MSD) R4226016-5 06/04/25 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 %
Benzene	0.125	ND	0.0617	0.0819	49.4	65.5	1	10.0-149			28.1	37
Ethylbenzene	0.125	ND	0.0569	0.0736	45.5	58.9	1	10.0-160			25.6	38
Toluene	0.125	ND	0.0569	0.0741	45.5	59.3	1	10.0-156			26.3	38
1,2,4-Trimethylbenzene	0.125	ND	0.0512	0.0670	41.0	53.6	1	10.0-160			26.7	36
1,3,5-Trimethylbenzene	0.125	ND	0.0519	0.0680	41.5	54.4	1	10.0-160			26.9	38
Xylenes, Total	0.375	ND	0.166	0.216	44.3	57.6	1	10.0-160			26.2	38
(S) Toluene-d8					*97.6*	*95.4*		*75.0-131*				
(S) 4-Bromofluorobenzene					*97.5*	*98.9*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*110*	*103*		*70.0-130*				

Method Blank (MB)

(MB) R4227020-1 06/06/25 21:24

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	*67.0*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4227020-2 06/06/25 21:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	30.7	61.4	50.0-150	
(S) o-Terphenyl			*67.1*	*18.0-148*	

L1864853-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1864853-02 06/07/25 01:56 • (MS) R4227020-3 06/07/25 02:09 • (MSD) R4227020-4 06/07/25 02:23

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 %
C10-C28 Diesel Range	48.9	ND	29.5	27.4	60.3	56.4	1	50.0-150			7.38	20
(S) o-Terphenyl					*67.0*	*63.9*		*18.0-148*				

QUALITY CONTROL SUMMARY

L1864853-05,06,07,08,09,10,11,12,13,14

Method Blank (MB)

(MB) R4227037-1 06/06/25 22:44

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	*76.0*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4227037-2 06/06/25 22:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	31.6	63.2	50.0-150	
(S) o-Terphenyl			*75.5*	*18.0-148*	

L1864870-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1864870-03 06/07/25 03:48 • (MS) R4227037-3 06/07/25 04:02 • (MSD) R4227037-4 06/07/25 04:16

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 %
C10-C28 Diesel Range	49.5	16.8	49.9	53.1	66.9	73.8	1	50.0-150			6.21	20
(S) o-Terphenyl					*60.5*	*71.0*		*18.0-148*				

Method Blank (MB)

(MB) R4226523-2 06/06/25 01:25

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.0330	0.0330
Acenaphthene	U		0.0330	0.0330
Acenaphthylene	U		0.0330	0.0330
Benzo(a)anthracene	U		0.00600	0.00600
Benzo(a)pyrene	U		0.0330	0.0330
Benzo(b)fluoranthene	U		0.0330	0.0330
Benzo(g,h,i)perylene	U		0.0330	0.0330
Benzo(k)fluoranthene	U		0.0330	0.0330
Chrysene	U		0.0330	0.0330
Dibenz(a,h)anthracene	U		0.0330	0.0330
Fluoranthene	U		0.0330	0.0330
Fluorene	U		0.0330	0.0330
Indeno(1,2,3-cd)pyrene	U		0.0330	0.0330
Naphthalene	U		0.00300	0.00300
Phenanthrene	U		0.0330	0.0330
Pyrene	U		0.0330	0.0330
1-Methylnaphthalene	U		0.00300	0.00300
2-Methylnaphthalene	U		0.0120	0.0120
(S) p-Terphenyl-d14	*95.0*			*23.0-120*
(S) Nitrobenzene-d5	*92.4*			*14.0-149*
(S) 2-Fluorobiphenyl	*96.0*			*34.0-125*

Laboratory Control Sample (LCS)

(LCS) R4226523-1 06/06/25 01:07

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0869	109	50.0-126	
Acenaphthene	0.0800	0.0790	98.8	50.0-120	
Acenaphthylene	0.0800	0.0868	109	50.0-120	
Benzo(a)anthracene	0.0800	0.0819	102	45.0-120	
Benzo(a)pyrene	0.0800	0.0625	78.1	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0705	88.1	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0768	96.0	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0744	93.0	49.0-125	
Chrysene	0.0800	0.0839	105	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0865	108	47.0-125	
Fluoranthene	0.0800	0.0912	114	49.0-129	
Fluorene	0.0800	0.0868	109	49.0-120	

Laboratory Control Sample (LCS)

(LCS) R4226523-1 06/06/25 01:07

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Indeno(1,2,3-cd)pyrene	0.0800	0.0840	105	46.0-125	
Naphthalene	0.0800	0.0809	101	50.0-120	
Phenanthrene	0.0800	0.0845	106	47.0-120	
Pyrene	0.0800	0.0752	94.0	43.0-123	
1-Methylnaphthalene	0.0800	0.0873	109	51.0-121	
2-Methylnaphthalene	0.0800	0.0825	103	50.0-120	
(S) p-Terphenyl-d14			*103*	*23.0-120*	
(S) Nitrobenzene-d5			*102*	*14.0-149*	
(S) 2-Fluorobiphenyl			*109*	*34.0-125*	

L1864853-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1864853-11 06/06/25 07:01 • (MS) R4226523-3 06/06/25 07:18 • (MSD) R4226523-4 06/06/25 07:36

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.0796	ND	0.0810	0.0804	102	101	1	10.0-145			0.743	30
Acenaphthene	0.0796	ND	0.0751	0.0722	94.3	90.7	1	14.0-127			3.94	27
Acenaphthylene	0.0796	ND	0.0805	0.0808	101	102	1	21.0-124			0.372	25
Benzo(a)anthracene	0.0796	ND	0.0757	0.0783	95.1	98.4	1	10.0-139			3.38	30
Benzo(a)pyrene	0.0796	ND	0.0723	0.0775	90.8	97.4	1	10.0-141			6.94	31
Benzo(b)fluoranthene	0.0796	ND	0.0685	0.0725	86.1	91.1	1	10.0-140			5.67	36
Benzo(g,h,i)perylene	0.0796	ND	0.0733	0.0756	92.1	95.0	1	10.0-140			3.09	33
Benzo(k)fluoranthene	0.0796	ND	0.0711	0.0721	89.3	90.6	1	10.0-137			1.40	31
Chrysene	0.0796	ND	0.0812	0.0861	102	108	1	10.0-145			5.86	30
Dibenz(a,h)anthracene	0.0796	ND	0.0793	0.0742	99.6	93.2	1	10.0-132			6.64	31
Fluoranthene	0.0796	ND	0.0926	0.105	116	132	1	10.0-153			12.6	33
Fluorene	0.0796	ND	0.0819	0.0819	103	103	1	11.0-130			0.000	29
Indeno(1,2,3-cd)pyrene	0.0796	ND	0.0733	0.0769	92.1	96.6	1	10.0-137			4.79	32
Naphthalene	0.0796	ND	0.0788	0.0752	99.0	94.5	1	10.0-135			4.68	27
Phenanthrene	0.0796	ND	0.0831	0.0906	104	114	1	10.0-144			8.64	31
Pyrene	0.0796	ND	0.0766	0.0844	96.2	106	1	10.0-148			9.69	35
1-Methylnaphthalene	0.0796	ND	0.0872	0.0842	110	106	1	10.0-142			3.50	28
2-Methylnaphthalene	0.0796	ND	0.0788	0.0768	99.0	96.5	1	10.0-137			2.57	28
(S) p-Terphenyl-d14					*106*	*102*		*23.0-120*				
(S) Nitrobenzene-d5					*97.1*	*92.9*		*14.0-149*				
(S) 2-Fluorobiphenyl					*109*	*108*		*34.0-125*				

Method Blank (MB)

(MB) R4226944-2 06/06/25 22:55

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.0330	0.0330
Acenaphthene	U		0.0330	0.0330
Acenaphthylene	U		0.0330	0.0330
Benzo(a)anthracene	U		0.00600	0.00600
Benzo(a)pyrene	U		0.0330	0.0330
Benzo(b)fluoranthene	U		0.0330	0.0330
Benzo(g,h,i)perylene	U		0.0330	0.0330
Benzo(k)fluoranthene	U		0.0330	0.0330
Chrysene	U		0.0330	0.0330
Dibenz(a,h)anthracene	U		0.0330	0.0330
Fluoranthene	U		0.0330	0.0330
Fluorene	U		0.0330	0.0330
Indeno(1,2,3-cd)pyrene	U		0.0330	0.0330
Naphthalene	0.00606		0.00300	0.00300
Phenanthrene	U		0.0330	0.0330
Pyrene	U		0.0330	0.0330
1-Methylnaphthalene	U		0.00300	0.00300
2-Methylnaphthalene	U		0.0120	0.0120
(S) p-Terphenyl-d14	*112*			*23.0-120*
(S) Nitrobenzene-d5	*97.5*			*14.0-149*
(S) 2-Fluorobiphenyl	*112*			*34.0-125*

Laboratory Control Sample (LCS)

(LCS) R4226944-1 06/06/25 22:32

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0842	105	50.0-126	
Acenaphthene	0.0800	0.0768	96.0	50.0-120	
Acenaphthylene	0.0800	0.0819	102	50.0-120	
Benzo(a)anthracene	0.0800	0.0781	97.6	45.0-120	
Benzo(a)pyrene	0.0800	0.0636	79.5	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0748	93.5	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0830	104	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0770	96.3	49.0-125	
Chrysene	0.0800	0.0833	104	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0831	104	47.0-125	
Fluoranthene	0.0800	0.0915	114	49.0-129	
Fluorene	0.0800	0.0830	104	49.0-120	

Laboratory Control Sample (LCS)

(LCS) R4226944-1 06/06/25 22:32

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Indeno(1,2,3-cd)pyrene	0.0800	0.0771	96.4	46.0-125	
Naphthalene	0.0800	0.0772	96.5	50.0-120	
Phenanthrene	0.0800	0.0824	103	47.0-120	
Pyrene	0.0800	0.0768	96.0	43.0-123	
1-Methylnaphthalene	0.0800	0.0847	106	51.0-121	
2-Methylnaphthalene	0.0800	0.0783	97.9	50.0-120	
(S) p-Terphenyl-d14			*111*	*23.0-120*	
(S) Nitrobenzene-d5			*100*	*14.0-149*	
(S) 2-Fluorobiphenyl			*116*	*34.0-125*	

L1864972-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1864972-06 06/07/25 02:27 • (MS) R4226944-3 06/07/25 02:45 • (MSD) R4226944-4 06/07/25 03:02

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.0772	ND	0.0774	0.0724	100	93.3	1	10.0-145			6.68	30
Acenaphthene	0.0772	ND	0.0695	0.0648	90.0	83.5	1	14.0-127			7.00	27
Acenaphthylene	0.0772	ND	0.0758	0.0709	98.2	91.4	1	21.0-124			6.68	25
Benzo(a)anthracene	0.0772	ND	0.0725	0.0669	93.9	86.2	1	10.0-139			8.03	30
Benzo(a)pyrene	0.0772	ND	0.0714	0.0670	92.5	86.3	1	10.0-141			6.36	31
Benzo(b)fluoranthene	0.0772	ND	0.0654	0.0642	84.7	82.7	1	10.0-140			1.85	36
Benzo(g,h,i)perylene	0.0772	ND	0.0765	0.0713	99.1	91.9	1	10.0-140			7.04	33
Benzo(k)fluoranthene	0.0772	ND	0.0690	0.0632	89.4	81.4	1	10.0-137			8.77	31
Chrysene	0.0772	ND	0.0771	0.0716	99.9	92.3	1	10.0-145			7.40	30
Dibenz(a,h)anthracene	0.0772	ND	0.0797	0.0761	103	98.1	1	10.0-132			4.62	31
Fluoranthene	0.0772	ND	0.0845	0.0795	109	102	1	10.0-153			6.10	33
Fluorene	0.0772	ND	0.0752	0.0699	97.4	90.1	1	11.0-130			7.31	29
Indeno(1,2,3-cd)pyrene	0.0772	ND	0.0727	0.0677	94.2	87.2	1	10.0-137			7.12	32
Naphthalene	0.0772	ND	0.0712	0.0672	92.2	86.6	1	10.0-135			5.78	27
Phenanthrene	0.0772	ND	0.0747	0.0711	96.8	91.6	1	10.0-144			4.94	31
Pyrene	0.0772	ND	0.0681	0.0624	88.2	80.4	1	10.0-148			8.74	35
1-Methylnaphthalene	0.0772	ND	0.0780	0.0732	101	94.3	1	10.0-142			6.35	28
2-Methylnaphthalene	0.0772	ND	0.0716	0.0671	92.7	86.5	1	10.0-137			6.49	28
(S) p-Terphenyl-d14					*102*	*96.2*		*23.0-120*				
(S) Nitrobenzene-d5					*95.3*	*89.5*		*14.0-149*				
(S) 2-Fluorobiphenyl					*110*	*102*		*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.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.

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.

Company Name/Address:
Chevron - CO

2115 117th Avenue
Greeley, CO 80631

Billing Information:
Dan Peterson
2115 117th Avenue
Greeley, CO 80631

Pres Chk

Report to:
Paul H. 970-304-5000

Email To: danpeterson@chevron.com;paulh@fremontenv.com;aaronb@fremontenv.com;jason.davidson@chevron.com;chrisl@fremontenv.com;

Project Description: Sewer F33-33

City/State Collected: Evans

Please Circle: PT (MT) CT ET

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

Client Project # C023-172

Lab Project # CHEGCO-FREMONT

Collected by (print): Tucker Chapin

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ____ Y X

Rush? (Lab MUST Be Notified)
____ Same Day ____ Five Day
____ Next Day ____ 5 Day (Rad Only)
____ Two Day ____ 10 Day (Rad Only)
____ Three Day X STD TAT

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BG Table 915-1 4ozClr-NoPres	Full Table 915-1 4ozClr-NoPres	Remarks	Sample # (lab only)
WH01 2ft	Grab	SS	2ft	5/30/25	1130	3		X		-01
FL01 2ft		SS			1140			X		-02
FL02 2ft					1150			X		-03
FL03 2ft					1200			X		-04
FL04 2ft					1210			X		-05
FL05 2ft					1220			X		-06
FL06 2ft					1230			X		-07
FL07 2ft					1240			X		-08
FL08 2ft					1256			X		-09
FL09 2ft					1300			X		-10

Chain of Custody Page 1 of 2

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # C227

Acctnum: CHEGCO
Template: T268712
Prelogin: P1140480
PM: 824 - Chris Ward
PB:

Shipped Via: FedEX Ground

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by : (Signature)	Date: 5/30/25	Time: 1628	Received by: (Signature)
Relinquished by : (Signature)	Date: 5-30-25	Time: 18:00	Received by: (Signature) SWA
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Ashley Barker

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: °C Bottles Received: 42

Date: 05/31/25 Time: 0800

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Page 22 of 22

Company Name/Address: **Chevron - CO** **2115 117th Avenue** **Greeley, CO 80631**	Billing Information: **Dan Peterson** **2115 117th Avenue** **Greeley, CO 80631**
Report to: **Paul H. 970-304-5000**	Email To: danpeterson@chevron.com;paulh@frem ason.davidson@chevron.com;chrisl@fremontenv.
Project Description: Sewer F33-33	City/State Collected: Evans
Regulatory Program(DOD,RCRA,DW,etc): Ecme	Client Project # C023-172
Collected by (print): Tuberchapin	Site/Facility ID #
Collected by (signature):	Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day ___ STD TAT
Immediately Packed on Ice N ___ Y X	Date Results Needed

Please Circle: PT (MT) CT ET

Lab Project # **CHEGCO-FREMONT**

P.O. #

Quote #

Chain of Custody

Pace PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1864657

Table #

Acctnum: **CHEGCO**

Template: **T268712**

Prelogin: **P1140480**

PM: **824 - Chris Ward**

PB:

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BG Table 915-1 4ozClr-NoPres	Full Table 915-1 4ozClr-NoPres	Remarks	Sample # (lab only)
~~[illegible]~~ FL10 2ft	Grab	SS	2ft	5/30/25	1310	3		X		
FL11 2ft	↓	SS	↓	↓	1320			X		
FL12 2ft	↓	↓	↓	↓	1330			X		
S EP01 2ft	↓	↓	↓	↓	1340	↓		X		

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Sample Receipt Checklist

COC Seal Present/Intact:	NP	X Y	N
COC Signed/Accurate:		Y	N
Bottles arrive intact:		X Y	N
Correct bottles used:		Y	N
Sufficient volume sent:		Y	N
If Applicable			
VOA Zero Headspace:		Y	N
Preservation Correct/Checked:		Y	N
RAD Screen <0.5 mR/hr:		X Y	N

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking #

Relinquished by : (Signature)	Date: 5/30/25	Time: 430	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
Relinquished by : (Signature)	Date: 5-30-25	Time: 18:00	Received by: (Signature) SWA	Temp: °C	Bottles Received: 42
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 05/31/2025	Time: 0800

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Multiple Parcel Form L# L486453

Parcel Tracking Number	Infrared Thermometer ID	Temperature Reading (°C)	Correction Factor (°C)	Corrected Temperature (°C)	Custody Seal Intact
SWA	TH9	5.4	0.4	5.8	(Yes) / No / Not Present
SWA	TH9	1.3	0.4	1.7	(Yes) / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present

Ashley Baxter
Name

05/31/2025
Date