ANALYTICAL REPORT

April 10, 2025

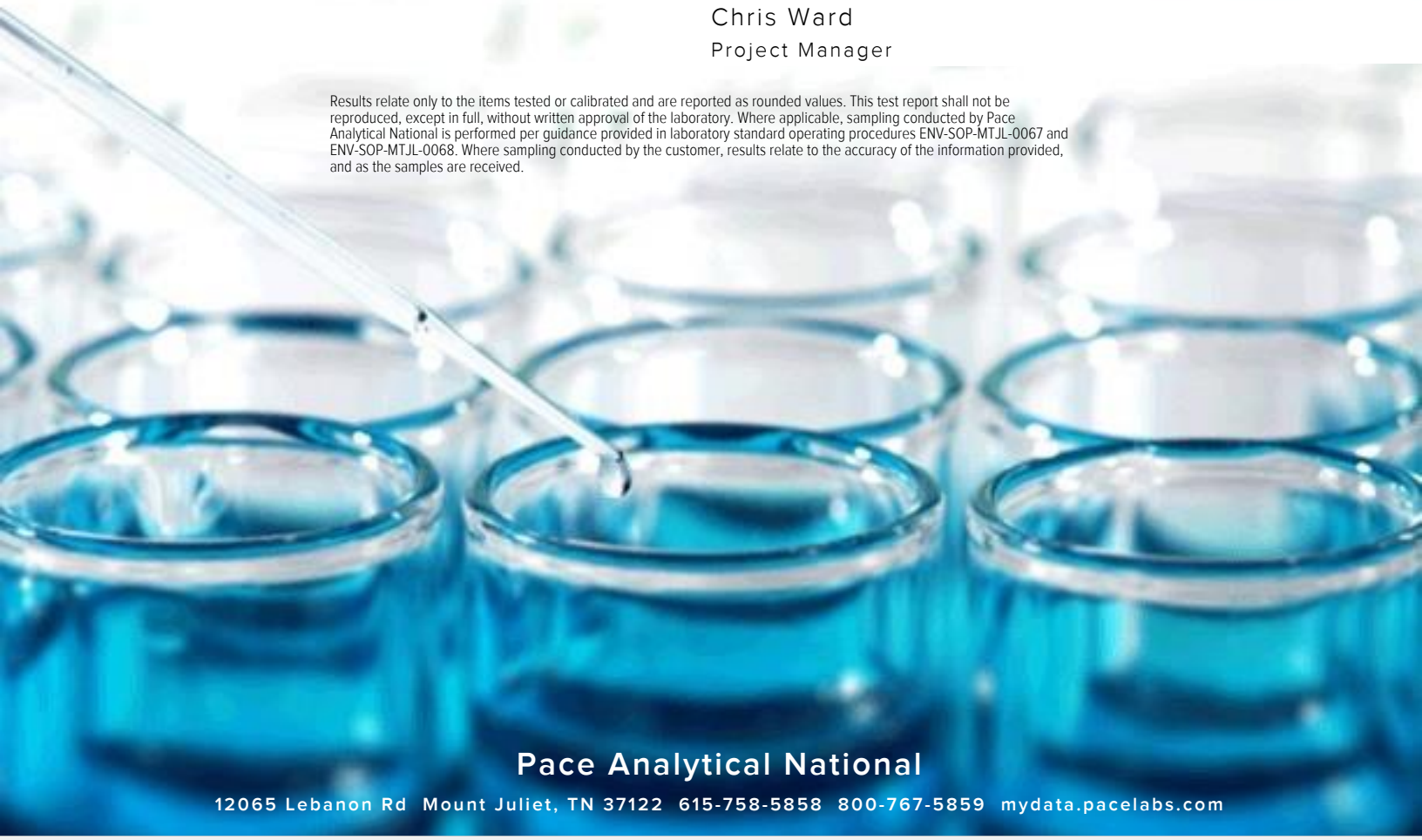
Pace Analytical Services, LLC
2025.04.10 17:25:59 -05'00'
Document is certified

Chevron - CO

Sample Delivery Group:	L1840935
Samples Received:	03/28/2025
Project Number:	
Description:	Guttersen D22-28 TB
Report To:	CDH Team 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

Cp: Cover Page 1

Tc: Table of Contents 2

Ss: Sample Summary 4

Cn: Case Narrative 11

Sr: Sample Results 12

PWV01@4' L1840935-01 12

PWV02@4' L1840935-02 14

PWV01-DL@4' L1840935-03 16

PWV02-DL@4' L1840935-04 18

PWV03@4' L1840935-05 20

PWV03-DL@4' L1840935-06 22

PWV04@4' L1840935-07 24

PWV04-DL@4' L1840935-08 26

SEP01-DL@3' L1840935-09 28

SEP02-DL@3' L1840935-10 30

SEP03-DL@3' L1840935-11 32

BKG01@0.5' L1840935-12 34

BKG01@3.5' L1840935-13 35

BKG02@0.5' L1840935-14 36

BKG02@3.5' L1840935-15 37

BKG03@0.5' L1840935-16 38

BKG03@3.5' L1840935-17 39

AST01@0.5' L1840935-18 40

AST02@0.5' L1840935-19 42

AST03@0.5' L1840935-20 44

AST04@0.5' L1840935-21 46

AST05@0.5' L1840935-22 48

AST06@0.5' L1840935-23 50

Qc: Quality Control Summary 52

Wet Chemistry by Method 7199 52

Wet Chemistry by Method 9045D 54

Wet Chemistry by Method 9050AMod 57

Metals (ICP) by Method 6010B-NE493 Ch 2 60

Metals (ICPMS) by Method 6020 62

Volatile Organic Compounds (GC) by Method 8015D/GRO 66

Volatile Organic Compounds (GC/MS) by Method 8260B 68

Semi-Volatile Organic Compounds (GC) by Method 8015M 70

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM 72

Gl: Glossary of Terms 76

Al: Accreditations & Locations 77

PWV01@4' L1840935-01 Solid

Collected by: Elizabeth Naka | Collected date/time: 03/27/25 09:35 | Received date/time: 03/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2480107	1	04/02/25 17:52	04/02/25 17:52	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2479009	1	03/28/25 19:51	03/31/25 17:58	ANW	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2479866	1	03/31/25 08:15	03/31/25 13:51	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2479869	1	03/31/25 08:20	03/31/25 10:35	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2479424	1	04/01/25 10:13	04/01/25 16:21	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2479188	5	03/30/25 08:52	03/30/25 18:58	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2480026	1	03/30/25 15:53	03/31/25 14:48	AEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2479783	1	03/30/25 15:53	03/31/25 10:35	KST	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2480289	1	04/01/25 12:08	04/02/25 00:06	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2480315	1	04/01/25 13:08	04/02/25 05:55	TKW	Mt. Juliet, TN

PWV02@4' L1840935-02 Solid

Collected by: Elizabeth Naka | Collected date/time: 03/27/25 09:40 | Received date/time: 03/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2480107	1	04/02/25 17:54	04/02/25 17:54	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2479009	1	03/28/25 19:51	03/31/25 18:07	ANW	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2479866	1	03/31/25 08:15	03/31/25 13:51	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2479869	1	03/31/25 08:20	03/31/25 10:35	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2479424	1	04/01/25 10:13	04/01/25 15:17	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2479188	5	03/30/25 08:52	03/30/25 18:42	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2480026	1	03/30/25 15:53	03/31/25 15:11	AEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2479783	1	03/30/25 15:53	03/31/25 10:55	KST	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2480289	1	04/01/25 12:08	04/02/25 16:34	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2480315	1	04/01/25 13:08	04/02/25 06:13	TKW	Mt. Juliet, TN

PWV01-DL@4' L1840935-03 Solid

Collected by: Elizabeth Naka | Collected date/time: 03/27/25 09:45 | Received date/time: 03/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2480107	1	04/02/25 17:55	04/02/25 17:55	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2479009	1	03/28/25 19:51	03/31/25 18:16	ANW	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2479866	1	03/31/25 08:15	03/31/25 13:51	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2479869	1	03/31/25 08:20	03/31/25 10:35	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2479424	1	04/01/25 10:13	04/01/25 15:18	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2479188	5	03/30/25 08:52	03/30/25 19:16	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2480026	1	03/30/25 15:53	03/31/25 15:33	AEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2479783	1	03/30/25 15:53	03/31/25 11:15	KST	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2480289	1	04/01/25 12:08	04/02/25 00:20	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2480315	1	04/01/25 13:08	04/02/25 02:56	KB	Mt. Juliet, TN

PWV02-DL@4' L1840935-04 Solid

Collected by: Elizabeth Naka | Collected date/time: 03/27/25 09:50 | Received date/time: 03/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2480107	1	04/02/25 17:14	04/02/25 17:14	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2479009	1	03/28/25 19:51	03/31/25 18:25	ANW	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2479866	1	03/31/25 08:15	03/31/25 13:51	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2479869	1	03/31/25 08:20	03/31/25 10:35	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2479424	1	04/01/25 10:13	04/01/25 15:20	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2479188	5	03/30/25 08:52	03/30/25 19:19	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2480026	1	03/30/25 15:53	03/31/25 15:55	AEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2479783	1	03/30/25 15:53	03/31/25 11:35	KST	Mt. Juliet, TN

PWV02-DL@4' L1840935-04 Solid

Collected by: Elizabeth Naka | Collected date/time: 03/27/25 09:50 | Received date/time: 03/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2480289	1	04/01/25 12:08	04/01/25 22:26	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2480315	1	04/01/25 13:08	04/02/25 03:13	KB	Mt. Juliet, TN

PWV03@4' L1840935-05 Solid

Collected by: Elizabeth Naka | Collected date/time: 03/27/25 10:05 | Received date/time: 03/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2479422	1	03/31/25 14:01	03/31/25 14:01	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2479009	1	03/28/25 19:51	03/31/25 19:28	ANW	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2479866	1	03/31/25 08:15	03/31/25 13:51	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2479869	1	03/31/25 08:20	03/31/25 10:35	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2479425	1	04/01/25 13:52	04/01/25 16:55	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2479188	5	03/30/25 08:52	03/30/25 19:22	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2480026	1	03/30/25 15:53	03/31/25 16:18	AEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2479783	1	03/30/25 15:53	03/31/25 11:55	KST	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2480289	1	04/01/25 12:08	04/01/25 22:40	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2480315	1	04/01/25 13:08	04/02/25 03:31	KB	Mt. Juliet, TN

PWV03-DL@4' L1840935-06 Solid

Collected by: Elizabeth Naka | Collected date/time: 03/27/25 10:10 | Received date/time: 03/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2479422	1	03/31/25 14:02	03/31/25 14:02	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2479009	1	03/28/25 19:51	03/31/25 19:37	ANW	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2479884	1	03/31/25 08:33	03/31/25 15:36	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2479885	1	03/31/25 08:37	03/31/25 11:51	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2479425	1	04/01/25 13:52	04/01/25 16:56	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2479188	5	03/30/25 08:52	03/30/25 19:25	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2480026	1	03/30/25 15:53	03/31/25 16:40	AEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2479783	1	03/30/25 15:53	03/31/25 12:15	KST	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2480289	1	04/01/25 12:08	04/01/25 22:55	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2480315	1	04/01/25 13:08	04/02/25 03:48	KB	Mt. Juliet, TN

PWV04@4' L1840935-07 Solid

Collected by: Elizabeth Naka | Collected date/time: 03/27/25 10:15 | Received date/time: 03/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2479422	1	03/31/25 14:04	03/31/25 14:04	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2479009	1	03/28/25 19:51	03/31/25 19:46	ANW	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2479884	1	03/31/25 08:33	03/31/25 15:36	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2479885	1	03/31/25 08:37	03/31/25 11:51	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2479425	1	04/01/25 13:52	04/01/25 16:58	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2479188	5	03/30/25 08:52	03/30/25 19:29	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2480026	1	03/30/25 15:53	03/31/25 17:03	AEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2479783	1	03/30/25 15:53	03/31/25 12:35	KST	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2480289	1	04/01/25 12:08	04/01/25 23:09	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2480315	1	04/01/25 13:08	04/02/25 04:05	KB	Mt. Juliet, TN

PWV04-DL@4' L1840935-08 Solid

Collected by	Collected date/time	Received date/time
Elizabeth Naka	03/27/25 10:20	03/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2479422	1	03/31/25 14:06	03/31/25 14:06	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2479009	1	03/28/25 19:51	03/31/25 19:55	ANW	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2479884	1	03/31/25 08:33	03/31/25 15:36	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2479885	1	03/31/25 08:37	03/31/25 11:51	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2479425	1	04/01/25 13:52	04/01/25 17:00	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2479188	5	03/30/25 08:52	03/30/25 19:32	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2480026	1	03/30/25 15:53	03/31/25 17:25	AEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2479783	1	03/30/25 15:53	03/31/25 12:55	KST	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2480289	1	04/01/25 12:08	04/01/25 23:24	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2480315	1	04/01/25 13:08	04/02/25 04:23	KB	Mt. Juliet, TN

SEP01-DL@3' L1840935-09 Solid

Collected by	Collected date/time	Received date/time
Elizabeth Naka	03/27/25 10:55	03/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2479422	1	03/31/25 14:07	03/31/25 14:07	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2479009	1	03/28/25 19:51	03/31/25 20:04	ANW	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2479884	1	03/31/25 08:33	03/31/25 15:36	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2479885	1	03/31/25 08:37	03/31/25 11:51	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2479425	1	04/01/25 13:52	04/01/25 17:02	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2479188	5	03/30/25 08:52	03/30/25 19:35	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2480026	1	03/30/25 15:53	03/31/25 17:48	AEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2479783	1	03/30/25 15:53	03/31/25 13:15	KST	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2480289	1	04/01/25 12:08	04/02/25 17:00	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2480315	1	04/01/25 13:08	04/02/25 04:40	KB	Mt. Juliet, TN

SEP02-DL@3' L1840935-10 Solid

Collected by	Collected date/time	Received date/time
Elizabeth Naka	03/27/25 11:00	03/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2479422	1	03/31/25 14:09	03/31/25 14:09	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2479009	1	03/28/25 19:51	03/31/25 20:13	ANW	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2479870	1	03/31/25 08:24	03/31/25 11:19	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2479875	1	03/31/25 08:29	03/31/25 10:04	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2479425	1	04/01/25 13:52	04/01/25 17:03	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2479188	5	03/30/25 08:52	03/30/25 19:38	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2480026	1	03/30/25 15:53	03/31/25 18:10	AEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2479783	1	03/30/25 15:53	03/31/25 13:34	KST	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2480289	1	04/01/25 12:08	04/02/25 00:49	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2480315	1	04/01/25 13:08	04/02/25 04:58	KB	Mt. Juliet, TN

SEP03-DL@3' L1840935-11 Solid

Collected by	Collected date/time	Received date/time
Elizabeth Naka	03/27/25 11:05	03/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2479422	1	03/31/25 14:11	03/31/25 14:11	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2479009	1	03/28/25 19:51	03/31/25 20:22	ANW	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2479884	1	03/31/25 08:33	03/31/25 15:36	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2479885	1	03/31/25 08:37	03/31/25 11:51	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2479425	1	04/01/25 13:52	04/01/25 17:05	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2482623	5	04/03/25 19:20	04/04/25 00:51	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2480026	1	03/30/25 15:53	03/31/25 18:33	AEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2479783	1	03/30/25 15:53	03/31/25 13:54	KST	Mt. Juliet, TN

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

SEP03-DL@3' L1840935-11 Solid

Collected by: Elizabeth Naka | Collected date/time: 03/27/25 11:05 | Received date/time: 03/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2480289	1	04/01/25 12:08	04/02/25 00:35	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2480315	1	04/01/25 13:08	04/02/25 05:15	KB	Mt. Juliet, TN

BKG01@0.5' L1840935-12 Solid

Collected by: Elizabeth Naka | Collected date/time: 03/27/25 12:25 | Received date/time: 03/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2479422	1	03/31/25 14:13	03/31/25 14:13	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2479011	1	03/28/25 19:55	04/01/25 00:21	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2479884	1	03/31/25 08:33	03/31/25 15:36	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2479885	1	03/31/25 08:37	03/31/25 11:51	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2479425	1	04/01/25 13:52	04/01/25 17:10	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2479191	5	03/30/25 08:46	03/31/25 01:29	SJM	Mt. Juliet, TN

BKG01@3.5' L1840935-13 Solid

Collected by: Elizabeth Naka | Collected date/time: 03/27/25 12:30 | Received date/time: 03/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2479422	1	03/31/25 14:14	03/31/25 14:14	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2479011	1	03/28/25 19:55	04/01/25 00:30	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2479884	1	03/31/25 08:33	03/31/25 15:36	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2479885	1	03/31/25 08:37	03/31/25 11:51	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2479425	1	04/01/25 13:52	04/01/25 17:12	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2479191	5	03/30/25 08:46	03/31/25 01:32	SJM	Mt. Juliet, TN

BKG02@0.5' L1840935-14 Solid

Collected by: Elizabeth Naka | Collected date/time: 03/27/25 12:35 | Received date/time: 03/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2479422	1	03/31/25 14:19	03/31/25 14:19	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2479011	1	03/28/25 19:55	04/01/25 00:39	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2479884	1	03/31/25 08:33	03/31/25 15:36	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2479885	1	03/31/25 08:37	03/31/25 11:51	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2479425	1	04/01/25 13:52	04/01/25 17:14	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2479191	5	03/30/25 08:46	03/31/25 01:35	SJM	Mt. Juliet, TN

BKG02@3.5' L1840935-15 Solid

Collected by: Elizabeth Naka | Collected date/time: 03/27/25 12:40 | Received date/time: 03/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2479422	1	03/31/25 14:21	03/31/25 14:21	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2479011	1	03/28/25 19:55	04/01/25 00:48	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2479884	1	03/31/25 08:33	03/31/25 15:36	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2479885	1	03/31/25 08:37	03/31/25 11:51	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2479425	1	04/01/25 13:52	04/01/25 17:16	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2479191	5	03/30/25 08:46	03/31/25 01:39	SJM	Mt. Juliet, TN

BKG03@0.5' L1840935-16 Solid

Collected by: Elizabeth Naka | Collected date/time: 03/27/25 12:42 | Received date/time: 03/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2479422	1	03/31/25 14:23	03/31/25 14:23	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2479011	1	03/28/25 19:55	04/01/25 01:06	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2479884	1	03/31/25 08:33	03/31/25 15:36	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2479885	1	03/31/25 08:37	03/31/25 11:51	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2479425	1	04/01/25 13:52	04/01/25 17:17	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2479191	5	03/30/25 08:46	03/31/25 01:42	SJM	Mt. Juliet, TN

BKG03@3.5' L1840935-17 Solid

Collected by: Elizabeth Naka | Collected date/time: 03/27/25 12:45 | Received date/time: 03/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2479422	1	03/31/25 14:24	03/31/25 14:24	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2479011	1	03/28/25 19:55	04/01/25 01:15	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2479884	1	03/31/25 08:33	03/31/25 15:36	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2479885	1	03/31/25 08:37	03/31/25 11:51	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2479425	1	04/01/25 13:52	04/01/25 17:19	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2479191	5	03/30/25 08:46	03/31/25 01:45	SJM	Mt. Juliet, TN

AST01@0.5' L1840935-18 Solid

Collected by: Elizabeth Naka | Collected date/time: 03/27/25 12:55 | Received date/time: 03/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2479422	1	03/31/25 14:26	03/31/25 14:26	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2479011	1	03/28/25 19:55	04/01/25 01:24	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2479884	1	03/31/25 08:33	03/31/25 15:36	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2479885	1	03/31/25 08:37	03/31/25 11:51	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2479425	1	04/01/25 13:52	04/01/25 17:21	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2479191	5	03/30/25 08:46	03/31/25 01:48	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2480026	1	03/30/25 15:53	03/31/25 18:55	AEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2479783	1	03/30/25 15:53	03/31/25 14:14	KST	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2480290	1	04/01/25 12:10	04/02/25 16:47	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2480315	1	04/01/25 13:08	04/02/25 05:33	KB	Mt. Juliet, TN

AST02@0.5' L1840935-19 Solid

Collected by: Elizabeth Naka | Collected date/time: 03/27/25 13:00 | Received date/time: 03/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2479422	1	03/31/25 14:28	03/31/25 14:28	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2479011	1	03/28/25 19:55	04/01/25 01:51	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2479870	1	03/31/25 08:24	03/31/25 11:19	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2479875	1	03/31/25 08:29	03/31/25 10:04	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2479425	1	04/01/25 13:52	04/01/25 17:23	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2479191	5	03/30/25 08:46	03/31/25 01:51	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2480026	1	03/30/25 15:53	03/31/25 19:17	AEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2479783	1	03/30/25 15:53	03/31/25 14:34	KST	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2480290	1	04/01/25 12:10	04/01/25 22:12	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2480315	1	04/01/25 13:08	04/02/25 06:30	TKW	Mt. Juliet, TN

AST03@0.5' L1840935-20 Solid

Collected by: Elizabeth Naka | Collected date/time: 03/27/25 13:05 | Received date/time: 03/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2479422	1	03/31/25 14:29	03/31/25 14:29	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2479011	1	03/28/25 19:55	04/01/25 02:00	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2479884	1	03/31/25 08:33	03/31/25 15:36	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2479885	1	03/31/25 08:37	03/31/25 11:51	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2479425	1	04/01/25 13:52	04/01/25 17:24	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2479191	5	03/30/25 08:46	03/31/25 01:54	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2480026	1	03/30/25 15:53	03/31/25 19:40	AEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2479783	1	03/30/25 15:53	03/31/25 14:54	KST	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2480290	1	04/01/25 12:10	04/02/25 01:03	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2480315	1	04/01/25 13:08	04/02/25 05:50	KB	Mt. Juliet, TN

AST04@0.5' L1840935-21 Solid

Collected by: Elizabeth Naka | Collected date/time: 03/27/25 13:08 | Received date/time: 03/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2479422	1	03/31/25 14:31	03/31/25 14:31	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2479011	1	03/28/25 19:55	04/01/25 02:09	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2479866	1	03/31/25 08:15	03/31/25 13:51	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2479869	1	03/31/25 08:20	03/31/25 10:35	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2479425	1	04/01/25 13:52	04/01/25 17:26	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2479193	5	04/01/25 08:10	04/01/25 22:09	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2480371	1	03/31/25 08:10	04/01/25 05:34	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2480074	1	03/31/25 08:10	03/31/25 21:13	KST	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2480290	1	04/01/25 12:10	04/02/25 01:18	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2480315	1	04/01/25 13:08	04/02/25 06:07	ADF	Mt. Juliet, TN

AST05@0.5' L1840935-22 Solid

Collected by: Elizabeth Naka | Collected date/time: 03/27/25 13:15 | Received date/time: 03/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2479422	1	03/31/25 14:33	03/31/25 14:33	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2479011	1	03/28/25 19:55	04/01/25 02:18	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2479884	1	03/31/25 08:33	03/31/25 15:36	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2479885	1	03/31/25 08:37	03/31/25 11:51	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2479425	1	04/01/25 13:52	04/01/25 17:31	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2479191	5	03/30/25 08:46	03/31/25 01:57	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2480371	1	03/31/25 08:10	04/01/25 05:58	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2480074	1	03/31/25 08:10	03/31/25 21:33	KST	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2480290	1	04/01/25 12:10	04/01/25 22:26	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2480315	1	04/01/25 13:08	04/02/25 06:25	KB	Mt. Juliet, TN

AST06@0.5' L1840935-23 Solid

Collected by: Elizabeth Naka | Collected date/time: 03/27/25 13:18 | Received date/time: 03/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2479422	1	03/31/25 14:35	03/31/25 14:35	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2479011	1	03/28/25 19:55	04/01/25 02:27	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2479884	1	03/31/25 08:33	03/31/25 15:36	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2479885	1	03/31/25 08:37	03/31/25 11:51	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2479425	1	04/01/25 13:52	04/01/25 17:33	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2479191	5	03/30/25 08:46	03/31/25 02:07	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2480371	1	03/31/25 08:10	04/01/25 06:22	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2480074	1	03/31/25 08:10	03/31/25 21:53	KST	Mt. Juliet, TN

SAMPLE SUMMARY

AST06@0.5' L1840935-23 Solid

Collected by	Collected date/time	Received date/time
Elizabeth Naka	03/27/25 13:18	03/28/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2480290	1	04/01/25 12:10	04/02/25 11:59	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2480316	1	04/01/25 13:13	04/02/25 01:01	KB	Mt. Juliet, TN

CASE NARRATIVE

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

Chris Ward
Project Manager

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.247		1	04/02/2025 17:52	WG2480107

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	03/31/2025 17:58	WG2479009

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.21	T8	1	03/31/2025 13:51	WG2479866

Sample Narrative:

L1840935-01 WG2479866: 7.21 at 20.6C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	87.5	umhos/cm		10.0	1	03/31/2025 10:35	WG2479869

Sample Narrative:

L1840935-01 WG2479869: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.120	J	0.0167	0.200	1	04/01/2025 16:21	WG2479424

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.39		0.100	1.00	5	03/30/2025 18:58	WG2479188
Barium	32.6		0.152	2.50	5	03/30/2025 18:58	WG2479188
Cadmium	U		0.0855	1.00	5	03/30/2025 18:58	WG2479188
Copper	3.13	J	0.132	5.00	5	03/30/2025 18:58	WG2479188
Lead	3.49		0.0990	2.00	5	03/30/2025 18:58	WG2479188
Nickel	3.21		0.197	2.50	5	03/30/2025 18:58	WG2479188
Selenium	0.245	J	0.180	2.50	5	03/30/2025 18:58	WG2479188
Silver	U		0.0865	0.500	5	03/30/2025 18:58	WG2479188
Zinc	12.8	J	0.740	25.0	5	03/30/2025 18:58	WG2479188

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0663	B J	0.0217	0.100	1	03/31/2025 14:48	WG2480026
(S) a,a,a-Trifluorotoluene(FID)	*95.1*			*77.0-120*		*03/31/2025 14:48*	WG2480026

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	03/31/2025 10:35	WG2479783
Toluene	U		0.00130	0.00500	1	03/31/2025 10:35	WG2479783
Ethylbenzene	U		0.000737	0.00250	1	03/31/2025 10:35	WG2479783
Xylenes, Total	U		0.000880	0.00650	1	03/31/2025 10:35	WG2479783
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	03/31/2025 10:35	WG2479783
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	03/31/2025 10:35	WG2479783
(S) Toluene-d8	*97.2*			*75.0-131*		*03/31/2025 10:35*	WG2479783
(S) 4-Bromofluorobenzene	*83.2*			*67.0-138*		*03/31/2025 10:35*	WG2479783
(S) 1,2-Dichloroethane-d4	*91.4*			*70.0-130*		*03/31/2025 10:35*	WG2479783

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	1.81	J	1.61	4.00	1	04/02/2025 00:06	WG2480289
C28-C36 Motor Oil Range	4.72		0.274	4.00	1	04/02/2025 00:06	WG2480289
(S) o-Terphenyl	*113*			*18.0-148*		*04/02/2025 00:06*	WG2480289

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00209	0.00600	1	04/02/2025 05:55	WG2480315
Anthracene	U		0.00230	0.00600	1	04/02/2025 05:55	WG2480315
Benzo(a)anthracene	U		0.00173	0.00600	1	04/02/2025 05:55	WG2480315
Benzo(b)fluoranthene	U		0.00153	0.00600	1	04/02/2025 05:55	WG2480315
Benzo(k)fluoranthene	U		0.00215	0.00600	1	04/02/2025 05:55	WG2480315
Benzo(a)pyrene	U		0.00179	0.00600	1	04/02/2025 05:55	WG2480315
Chrysene	U		0.00232	0.00600	1	04/02/2025 05:55	WG2480315
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	04/02/2025 05:55	WG2480315
Fluoranthene	0.00234	J	0.00227	0.00600	1	04/02/2025 05:55	WG2480315
Fluorene	U		0.00205	0.00600	1	04/02/2025 05:55	WG2480315
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	04/02/2025 05:55	WG2480315
1-Methylnaphthalene	U		0.00449	0.0200	1	04/02/2025 05:55	WG2480315
2-Methylnaphthalene	U		0.00427	0.0200	1	04/02/2025 05:55	WG2480315
Naphthalene	U		0.00408	0.0200	1	04/02/2025 05:55	WG2480315
Pyrene	U		0.00200	0.00600	1	04/02/2025 05:55	WG2480315
(S) p-Terphenyl-d14	*94.5*			*23.0-120*		*04/02/2025 05:55*	WG2480315
(S) Nitrobenzene-d5	*82.5*			*14.0-149*		*04/02/2025 05:55*	WG2480315
(S) 2-Fluorobiphenyl	*92.5*			*34.0-125*		*04/02/2025 05:55*	WG2480315

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.238		1	04/02/2025 17:54	WG2480107

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	03/31/2025 18:07	WG2479009

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.76	T8	1	03/31/2025 13:51	WG2479866

Sample Narrative:

L1840935-02 WG2479866: 7.76 at 20.4C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	159	umhos/cm		10.0	1	03/31/2025 10:35	WG2479869

Sample Narrative:

L1840935-02 WG2479869: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.121	J	0.0167	0.200	1	04/01/2025 15:17	WG2479424

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.13		0.100	1.00	5	03/30/2025 18:42	WG2479188
Barium	43.8		0.152	2.50	5	03/30/2025 18:42	WG2479188
Cadmium	U		0.0855	1.00	5	03/30/2025 18:42	WG2479188
Copper	4.24	J	0.132	5.00	5	03/30/2025 18:42	WG2479188
Lead	3.68		0.0990	2.00	5	03/30/2025 18:42	WG2479188
Nickel	3.99	O1	0.197	2.50	5	03/30/2025 18:42	WG2479188
Selenium	0.269	J	0.180	2.50	5	03/30/2025 18:42	WG2479188
Silver	U		0.0865	0.500	5	03/30/2025 18:42	WG2479188
Zinc	14.7	J O1	0.740	25.0	5	03/30/2025 18:42	WG2479188

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0710	B J	0.0217	0.100	1	03/31/2025 15:11	WG2480026
(S) a,a,a-Trifluorotoluene(FID)	*96.6*			*77.0-120*		*03/31/2025 15:11*	WG2480026

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	03/31/2025 10:55	WG2479783
Toluene	U		0.00130	0.00500	1	03/31/2025 10:55	WG2479783
Ethylbenzene	U		0.000737	0.00250	1	03/31/2025 10:55	WG2479783
Xylenes, Total	U		0.000880	0.00650	1	03/31/2025 10:55	WG2479783
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	03/31/2025 10:55	WG2479783
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	03/31/2025 10:55	WG2479783
(S) Toluene-d8	*115*			*75.0-131*		*03/31/2025 10:55*	WG2479783
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*03/31/2025 10:55*	WG2479783
(S) 1,2-Dichloroethane-d4	*91.3*			*70.0-130*		*03/31/2025 10:55*	WG2479783

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.61	4.00	1	04/02/2025 16:34	WG2480289
C28-C36 Motor Oil Range	3.22	J	0.274	4.00	1	04/02/2025 16:34	WG2480289
(S) o-Terphenyl	*122*			*18.0-148*		*04/02/2025 16:34*	WG2480289

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00209	0.00600	1	04/02/2025 06:13	WG2480315
Anthracene	U		0.00230	0.00600	1	04/02/2025 06:13	WG2480315
Benzo(a)anthracene	U		0.00173	0.00600	1	04/02/2025 06:13	WG2480315
Benzo(b)fluoranthene	U		0.00153	0.00600	1	04/02/2025 06:13	WG2480315
Benzo(k)fluoranthene	U		0.00215	0.00600	1	04/02/2025 06:13	WG2480315
Benzo(a)pyrene	U		0.00179	0.00600	1	04/02/2025 06:13	WG2480315
Chrysene	U		0.00232	0.00600	1	04/02/2025 06:13	WG2480315
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	04/02/2025 06:13	WG2480315
Fluoranthene	U		0.00227	0.00600	1	04/02/2025 06:13	WG2480315
Fluorene	U		0.00205	0.00600	1	04/02/2025 06:13	WG2480315
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	04/02/2025 06:13	WG2480315
1-Methylnaphthalene	U		0.00449	0.0200	1	04/02/2025 06:13	WG2480315
2-Methylnaphthalene	U		0.00427	0.0200	1	04/02/2025 06:13	WG2480315
Naphthalene	U		0.00408	0.0200	1	04/02/2025 06:13	WG2480315
Pyrene	U		0.00200	0.00600	1	04/02/2025 06:13	WG2480315
(S) p-Terphenyl-d14	*94.8*			*23.0-120*		*04/02/2025 06:13*	WG2480315
(S) Nitrobenzene-d5	*73.4*			*14.0-149*		*04/02/2025 06:13*	WG2480315
(S) 2-Fluorobiphenyl	*90.9*			*34.0-125*		*04/02/2025 06:13*	WG2480315

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.395		1	04/02/2025 17:55	WG2480107

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	03/31/2025 18:16	WG2479009

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.62	T8	1	03/31/2025 13:51	WG2479866

Sample Narrative:

L1840935-03 WG2479866: 7.62 at 21C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	133	umhos/cm		10.0	1	03/31/2025 10:35	WG2479869

Sample Narrative:

L1840935-03 WG2479869: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.151	J	0.0167	0.200	1	04/01/2025 15:18	WG2479424

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.49		0.100	1.00	5	03/30/2025 19:16	WG2479188
Barium	36.3		0.152	2.50	5	03/30/2025 19:16	WG2479188
Cadmium	U		0.0855	1.00	5	03/30/2025 19:16	WG2479188
Copper	2.99	J	0.132	5.00	5	03/30/2025 19:16	WG2479188
Lead	3.63		0.0990	2.00	5	03/30/2025 19:16	WG2479188
Nickel	3.16		0.197	2.50	5	03/30/2025 19:16	WG2479188
Selenium	0.196	J	0.180	2.50	5	03/30/2025 19:16	WG2479188
Silver	U		0.0865	0.500	5	03/30/2025 19:16	WG2479188
Zinc	13.3	J	0.740	25.0	5	03/30/2025 19:16	WG2479188

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0589	B J	0.0217	0.100	1	03/31/2025 15:33	WG2480026
(S) a,a,a-Trifluorotoluene(FID)	*96.9*			*77.0-120*		*03/31/2025 15:33*	WG2480026

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	03/31/2025 11:15	WG2479783
Toluene	U		0.00130	0.00500	1	03/31/2025 11:15	WG2479783
Ethylbenzene	U		0.000737	0.00250	1	03/31/2025 11:15	WG2479783
Xylenes, Total	U		0.000880	0.00650	1	03/31/2025 11:15	WG2479783
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	03/31/2025 11:15	WG2479783
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	03/31/2025 11:15	WG2479783
(S) Toluene-d8	*97.3*			*75.0-131*		*03/31/2025 11:15*	WG2479783
(S) 4-Bromofluorobenzene	*99.8*			*67.0-138*		*03/31/2025 11:15*	WG2479783
(S) 1,2-Dichloroethane-d4	*91.8*			*70.0-130*		*03/31/2025 11:15*	WG2479783

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	9.24		1.61	4.00	1	04/02/2025 00:20	WG2480289
C28-C36 Motor Oil Range	7.31		0.274	4.00	1	04/02/2025 00:20	WG2480289
(S) o-Terphenyl	*119*			*18.0-148*		*04/02/2025 00:20*	WG2480289

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00209	0.00600	1	04/02/2025 02:56	WG2480315
Anthracene	U		0.00230	0.00600	1	04/02/2025 02:56	WG2480315
Benzo(a)anthracene	U		0.00173	0.00600	1	04/02/2025 02:56	WG2480315
Benzo(b)fluoranthene	U		0.00153	0.00600	1	04/02/2025 02:56	WG2480315
Benzo(k)fluoranthene	U		0.00215	0.00600	1	04/02/2025 02:56	WG2480315
Benzo(a)pyrene	U		0.00179	0.00600	1	04/02/2025 02:56	WG2480315
Chrysene	U		0.00232	0.00600	1	04/02/2025 02:56	WG2480315
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	04/02/2025 02:56	WG2480315
Fluoranthene	U		0.00227	0.00600	1	04/02/2025 02:56	WG2480315
Fluorene	0.00213	J	0.00205	0.00600	1	04/02/2025 02:56	WG2480315
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	04/02/2025 02:56	WG2480315
1-Methylnaphthalene	0.00660	J	0.00449	0.0200	1	04/02/2025 02:56	WG2480315
2-Methylnaphthalene	0.0132	J	0.00427	0.0200	1	04/02/2025 02:56	WG2480315
Naphthalene	U		0.00408	0.0200	1	04/02/2025 02:56	WG2480315
Pyrene	U		0.00200	0.00600	1	04/02/2025 02:56	WG2480315
(S) p-Terphenyl-d14	*94.0*			*23.0-120*		*04/02/2025 02:56*	WG2480315
(S) Nitrobenzene-d5	*82.6*			*14.0-149*		*04/02/2025 02:56*	WG2480315
(S) 2-Fluorobiphenyl	*86.3*			*34.0-125*		*04/02/2025 02:56*	WG2480315

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.112		1	04/02/2025 17:14	WG2480107

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	03/31/2025 18:25	WG2479009

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.25	T8	1	03/31/2025 13:51	WG2479866

Sample Narrative:

L1840935-04 WG2479866: 7.25 at 21.1C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	66.0	umhos/cm		10.0	1	03/31/2025 10:35	WG2479869

Sample Narrative:

L1840935-04 WG2479869: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.122	J	0.0167	0.200	1	04/01/2025 15:20	WG2479424

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.29		0.100	1.00	5	03/30/2025 19:19	WG2479188
Barium	27.3		0.152	2.50	5	03/30/2025 19:19	WG2479188
Cadmium	0.0939	J	0.0855	1.00	5	03/30/2025 19:19	WG2479188
Copper	2.73	J	0.132	5.00	5	03/30/2025 19:19	WG2479188
Lead	3.82		0.0990	2.00	5	03/30/2025 19:19	WG2479188
Nickel	2.63		0.197	2.50	5	03/30/2025 19:19	WG2479188
Selenium	0.267	J	0.180	2.50	5	03/30/2025 19:19	WG2479188
Silver	U		0.0865	0.500	5	03/30/2025 19:19	WG2479188
Zinc	10.8	J	0.740	25.0	5	03/30/2025 19:19	WG2479188

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0551	B J	0.0217	0.100	1	03/31/2025 15:55	WG2480026
(S) a,a,a-Trifluorotoluene(FID)	*96.5*			*77.0-120*		*03/31/2025 15:55*	WG2480026

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	03/31/2025 11:35	WG2479783
Toluene	U		0.00130	0.00500	1	03/31/2025 11:35	WG2479783
Ethylbenzene	U		0.000737	0.00250	1	03/31/2025 11:35	WG2479783
Xylenes, Total	U		0.000880	0.00650	1	03/31/2025 11:35	WG2479783
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	03/31/2025 11:35	WG2479783
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	03/31/2025 11:35	WG2479783
(S) Toluene-d8	*96.9*			*75.0-131*		*03/31/2025 11:35*	WG2479783
(S) 4-Bromofluorobenzene	*99.2*			*67.0-138*		*03/31/2025 11:35*	WG2479783
(S) 1,2-Dichloroethane-d4	*93.1*			*70.0-130*		*03/31/2025 11:35*	WG2479783

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.61	4.00	1	04/01/2025 22:26	WG2480289
C28-C36 Motor Oil Range	1.93	J	0.274	4.00	1	04/01/2025 22:26	WG2480289
(S) o-Terphenyl	*86.2*			*18.0-148*		*04/01/2025 22:26*	WG2480289

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00209	0.00600	1	04/02/2025 03:13	WG2480315
Anthracene	U		0.00230	0.00600	1	04/02/2025 03:13	WG2480315
Benzo(a)anthracene	U		0.00173	0.00600	1	04/02/2025 03:13	WG2480315
Benzo(b)fluoranthene	U		0.00153	0.00600	1	04/02/2025 03:13	WG2480315
Benzo(k)fluoranthene	U		0.00215	0.00600	1	04/02/2025 03:13	WG2480315
Benzo(a)pyrene	U		0.00179	0.00600	1	04/02/2025 03:13	WG2480315
Chrysene	U		0.00232	0.00600	1	04/02/2025 03:13	WG2480315
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	04/02/2025 03:13	WG2480315
Fluoranthene	U		0.00227	0.00600	1	04/02/2025 03:13	WG2480315
Fluorene	U		0.00205	0.00600	1	04/02/2025 03:13	WG2480315
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	04/02/2025 03:13	WG2480315
1-Methylnaphthalene	U		0.00449	0.0200	1	04/02/2025 03:13	WG2480315
2-Methylnaphthalene	U		0.00427	0.0200	1	04/02/2025 03:13	WG2480315
Naphthalene	U		0.00408	0.0200	1	04/02/2025 03:13	WG2480315
Pyrene	U		0.00200	0.00600	1	04/02/2025 03:13	WG2480315
(S) p-Terphenyl-d14	*92.1*			*23.0-120*		*04/02/2025 03:13*	WG2480315
(S) Nitrobenzene-d5	*77.4*			*14.0-149*		*04/02/2025 03:13*	WG2480315
(S) 2-Fluorobiphenyl	*83.9*			*34.0-125*		*04/02/2025 03:13*	WG2480315

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.772		1	03/31/2025 14:01	WG2479422

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	03/31/2025 19:28	WG2479009

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.94	T8	1	03/31/2025 13:51	WG2479866

Sample Narrative:

L1840935-05 WG2479866: 7.94 at 20.9C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	346	umhos/cm		10.0	1	03/31/2025 10:35	WG2479869

Sample Narrative:

L1840935-05 WG2479869: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.128	J	0.0167	0.200	1	04/01/2025 16:55	WG2479425

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.74		0.100	1.00	5	03/30/2025 19:22	WG2479188
Barium	57.1		0.152	2.50	5	03/30/2025 19:22	WG2479188
Cadmium	U		0.0855	1.00	5	03/30/2025 19:22	WG2479188
Copper	5.75		0.132	5.00	5	03/30/2025 19:22	WG2479188
Lead	5.06		0.0990	2.00	5	03/30/2025 19:22	WG2479188
Nickel	5.98		0.197	2.50	5	03/30/2025 19:22	WG2479188
Selenium	0.407	J	0.180	2.50	5	03/30/2025 19:22	WG2479188
Silver	U		0.0865	0.500	5	03/30/2025 19:22	WG2479188
Zinc	22.0	J	0.740	25.0	5	03/30/2025 19:22	WG2479188

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0616	B J	0.0217	0.100	1	03/31/2025 16:18	WG2480026
(S) a,a,a-Trifluorotoluene(FID)	*96.9*			*77.0-120*		*03/31/2025 16:18*	WG2480026

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	03/31/2025 11:55	WG2479783
Toluene	U		0.00130	0.00500	1	03/31/2025 11:55	WG2479783
Ethylbenzene	U		0.000737	0.00250	1	03/31/2025 11:55	WG2479783
Xylenes, Total	U		0.000880	0.00650	1	03/31/2025 11:55	WG2479783
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	03/31/2025 11:55	WG2479783
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	03/31/2025 11:55	WG2479783
(S) Toluene-d8	*97.5*			*75.0-131*		*03/31/2025 11:55*	WG2479783
(S) 4-Bromofluorobenzene	*98.5*			*67.0-138*		*03/31/2025 11:55*	WG2479783
(S) 1,2-Dichloroethane-d4	*92.2*			*70.0-130*		*03/31/2025 11:55*	WG2479783

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.61	4.00	1	04/01/2025 22:40	WG2480289
C28-C36 Motor Oil Range	1.36	J	0.274	4.00	1	04/01/2025 22:40	WG2480289
(S) o-Terphenyl	*100*			*18.0-148*		*04/01/2025 22:40*	WG2480289

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00209	0.00600	1	04/02/2025 03:31	WG2480315
Anthracene	U		0.00230	0.00600	1	04/02/2025 03:31	WG2480315
Benzo(a)anthracene	U		0.00173	0.00600	1	04/02/2025 03:31	WG2480315
Benzo(b)fluoranthene	U		0.00153	0.00600	1	04/02/2025 03:31	WG2480315
Benzo(k)fluoranthene	U		0.00215	0.00600	1	04/02/2025 03:31	WG2480315
Benzo(a)pyrene	U		0.00179	0.00600	1	04/02/2025 03:31	WG2480315
Chrysene	U		0.00232	0.00600	1	04/02/2025 03:31	WG2480315
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	04/02/2025 03:31	WG2480315
Fluoranthene	U		0.00227	0.00600	1	04/02/2025 03:31	WG2480315
Fluorene	U		0.00205	0.00600	1	04/02/2025 03:31	WG2480315
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	04/02/2025 03:31	WG2480315
1-Methylnaphthalene	U		0.00449	0.0200	1	04/02/2025 03:31	WG2480315
2-Methylnaphthalene	U		0.00427	0.0200	1	04/02/2025 03:31	WG2480315
Naphthalene	U		0.00408	0.0200	1	04/02/2025 03:31	WG2480315
Pyrene	U		0.00200	0.00600	1	04/02/2025 03:31	WG2480315
(S) p-Terphenyl-d14	*91.8*			*23.0-120*		*04/02/2025 03:31*	WG2480315
(S) Nitrobenzene-d5	*79.5*			*14.0-149*		*04/02/2025 03:31*	WG2480315
(S) 2-Fluorobiphenyl	*86.0*			*34.0-125*		*04/02/2025 03:31*	WG2480315

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.570		1	03/31/2025 14:02	WG2479422

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	03/31/2025 19:37	WG2479009

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.05	T8	1	03/31/2025 15:36	WG2479884

Sample Narrative:

L1840935-06 WG2479884: 8.05 at 20.7C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	212	umhos/cm		10.0	1	03/31/2025 11:51	WG2479885

Sample Narrative:

L1840935-06 WG2479885: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.160	J	0.0167	0.200	1	04/01/2025 16:56	WG2479425

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.08		0.100	1.00	5	03/30/2025 19:25	WG2479188
Barium	58.8		0.152	2.50	5	03/30/2025 19:25	WG2479188
Cadmium	0.122	J	0.0855	1.00	5	03/30/2025 19:25	WG2479188
Copper	7.26		0.132	5.00	5	03/30/2025 19:25	WG2479188
Lead	6.42		0.0990	2.00	5	03/30/2025 19:25	WG2479188
Nickel	9.18		0.197	2.50	5	03/30/2025 19:25	WG2479188
Selenium	0.328	J	0.180	2.50	5	03/30/2025 19:25	WG2479188
Silver	U		0.0865	0.500	5	03/30/2025 19:25	WG2479188
Zinc	29.1		0.740	25.0	5	03/30/2025 19:25	WG2479188

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0574	B J	0.0217	0.100	1	03/31/2025 16:40	WG2480026
(S) a,a,a-Trifluorotoluene(FID)	*96.2*			*77.0-120*		*03/31/2025 16:40*	WG2480026

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	03/31/2025 12:15	WG2479783
Toluene	U		0.00130	0.00500	1	03/31/2025 12:15	WG2479783
Ethylbenzene	U		0.000737	0.00250	1	03/31/2025 12:15	WG2479783
Xylenes, Total	U		0.000880	0.00650	1	03/31/2025 12:15	WG2479783
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	03/31/2025 12:15	WG2479783
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	03/31/2025 12:15	WG2479783
(S) Toluene-d8	*95.7*			*75.0-131*		*03/31/2025 12:15*	WG2479783
(S) 4-Bromofluorobenzene	*97.2*			*67.0-138*		*03/31/2025 12:15*	WG2479783
(S) 1,2-Dichloroethane-d4	*89.0*			*70.0-130*		*03/31/2025 12:15*	WG2479783

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.61	4.00	1	04/01/2025 22:55	WG2480289
C28-C36 Motor Oil Range	0.482	J	0.274	4.00	1	04/01/2025 22:55	WG2480289
(S) o-Terphenyl	*96.7*			*18.0-148*		*04/01/2025 22:55*	WG2480289

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00209	0.00600	1	04/02/2025 03:48	WG2480315
Anthracene	U		0.00230	0.00600	1	04/02/2025 03:48	WG2480315
Benzo(a)anthracene	U		0.00173	0.00600	1	04/02/2025 03:48	WG2480315
Benzo(b)fluoranthene	U		0.00153	0.00600	1	04/02/2025 03:48	WG2480315
Benzo(k)fluoranthene	U		0.00215	0.00600	1	04/02/2025 03:48	WG2480315
Benzo(a)pyrene	U		0.00179	0.00600	1	04/02/2025 03:48	WG2480315
Chrysene	U		0.00232	0.00600	1	04/02/2025 03:48	WG2480315
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	04/02/2025 03:48	WG2480315
Fluoranthene	U		0.00227	0.00600	1	04/02/2025 03:48	WG2480315
Fluorene	U		0.00205	0.00600	1	04/02/2025 03:48	WG2480315
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	04/02/2025 03:48	WG2480315
1-Methylnaphthalene	U		0.00449	0.0200	1	04/02/2025 03:48	WG2480315
2-Methylnaphthalene	U		0.00427	0.0200	1	04/02/2025 03:48	WG2480315
Naphthalene	U		0.00408	0.0200	1	04/02/2025 03:48	WG2480315
Pyrene	U		0.00200	0.00600	1	04/02/2025 03:48	WG2480315
(S) p-Terphenyl-d14	*93.4*			*23.0-120*		*04/02/2025 03:48*	WG2480315
(S) Nitrobenzene-d5	*80.7*			*14.0-149*		*04/02/2025 03:48*	WG2480315
(S) 2-Fluorobiphenyl	*85.6*			*34.0-125*		*04/02/2025 03:48*	WG2480315

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.234		1	03/31/2025 14:04	WG2479422

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	03/31/2025 19:46	WG2479009

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.95	T8	1	03/31/2025 15:36	WG2479884

Sample Narrative:

L1840935-07 WG2479884: 7.95 at 20.7C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	182	umhos/cm		10.0	1	03/31/2025 11:51	WG2479885

Sample Narrative:

L1840935-07 WG2479885: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.120	J	0.0167	0.200	1	04/01/2025 16:58	WG2479425

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.10		0.100	1.00	5	03/30/2025 19:29	WG2479188
Barium	53.9		0.152	2.50	5	03/30/2025 19:29	WG2479188
Cadmium	0.107	J	0.0855	1.00	5	03/30/2025 19:29	WG2479188
Copper	5.36		0.132	5.00	5	03/30/2025 19:29	WG2479188
Lead	5.65		0.0990	2.00	5	03/30/2025 19:29	WG2479188
Nickel	5.97		0.197	2.50	5	03/30/2025 19:29	WG2479188
Selenium	0.253	J	0.180	2.50	5	03/30/2025 19:29	WG2479188
Silver	U		0.0865	0.500	5	03/30/2025 19:29	WG2479188
Zinc	29.7		0.740	25.0	5	03/30/2025 19:29	WG2479188

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0621	B J	0.0217	0.100	1	03/31/2025 17:03	WG2480026
(S) a,a,a-Trifluorotoluene(FID)	*96.8*			*77.0-120*		*03/31/2025 17:03*	WG2480026

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	03/31/2025 12:35	WG2479783
Toluene	U		0.00130	0.00500	1	03/31/2025 12:35	WG2479783
Ethylbenzene	U		0.000737	0.00250	1	03/31/2025 12:35	WG2479783
Xylenes, Total	U		0.000880	0.00650	1	03/31/2025 12:35	WG2479783
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	03/31/2025 12:35	WG2479783
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	03/31/2025 12:35	WG2479783
(S) Toluene-d8	*96.7*			*75.0-131*		*03/31/2025 12:35*	WG2479783
(S) 4-Bromofluorobenzene	*99.6*			*67.0-138*		*03/31/2025 12:35*	WG2479783
(S) 1,2-Dichloroethane-d4	*93.6*			*70.0-130*		*03/31/2025 12:35*	WG2479783

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.61	4.00	1	04/01/2025 23:09	WG2480289
C28-C36 Motor Oil Range	1.88	J	0.274	4.00	1	04/01/2025 23:09	WG2480289
(S) o-Terphenyl	*82.1*			*18.0-148*		*04/01/2025 23:09*	WG2480289

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00209	0.00600	1	04/02/2025 04:05	WG2480315
Anthracene	U		0.00230	0.00600	1	04/02/2025 04:05	WG2480315
Benzo(a)anthracene	U		0.00173	0.00600	1	04/02/2025 04:05	WG2480315
Benzo(b)fluoranthene	U		0.00153	0.00600	1	04/02/2025 04:05	WG2480315
Benzo(k)fluoranthene	U		0.00215	0.00600	1	04/02/2025 04:05	WG2480315
Benzo(a)pyrene	U		0.00179	0.00600	1	04/02/2025 04:05	WG2480315
Chrysene	U		0.00232	0.00600	1	04/02/2025 04:05	WG2480315
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	04/02/2025 04:05	WG2480315
Fluoranthene	U		0.00227	0.00600	1	04/02/2025 04:05	WG2480315
Fluorene	U		0.00205	0.00600	1	04/02/2025 04:05	WG2480315
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	04/02/2025 04:05	WG2480315
1-Methylnaphthalene	U		0.00449	0.0200	1	04/02/2025 04:05	WG2480315
2-Methylnaphthalene	U		0.00427	0.0200	1	04/02/2025 04:05	WG2480315
Naphthalene	U		0.00408	0.0200	1	04/02/2025 04:05	WG2480315
Pyrene	U		0.00200	0.00600	1	04/02/2025 04:05	WG2480315
(S) p-Terphenyl-d14	*89.8*			*23.0-120*		*04/02/2025 04:05*	WG2480315
(S) Nitrobenzene-d5	*71.6*			*14.0-149*		*04/02/2025 04:05*	WG2480315
(S) 2-Fluorobiphenyl	*80.9*			*34.0-125*		*04/02/2025 04:05*	WG2480315

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.440		1	03/31/2025 14:06	WG2479422

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	03/31/2025 19:55	WG2479009

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.91	T8	1	03/31/2025 15:36	WG2479884

Sample Narrative:

L1840935-08 WG2479884: 7.91 at 20.7C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	276	umhos/cm		10.0	1	03/31/2025 11:51	WG2479885

Sample Narrative:

L1840935-08 WG2479885: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.138	J	0.0167	0.200	1	04/01/2025 17:00	WG2479425

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.72		0.100	1.00	5	03/30/2025 19:32	WG2479188
Barium	48.6		0.152	2.50	5	03/30/2025 19:32	WG2479188
Cadmium	0.0890	J	0.0855	1.00	5	03/30/2025 19:32	WG2479188
Copper	5.38		0.132	5.00	5	03/30/2025 19:32	WG2479188
Lead	6.41		0.0990	2.00	5	03/30/2025 19:32	WG2479188
Nickel	6.24		0.197	2.50	5	03/30/2025 19:32	WG2479188
Selenium	0.315	J	0.180	2.50	5	03/30/2025 19:32	WG2479188
Silver	U		0.0865	0.500	5	03/30/2025 19:32	WG2479188
Zinc	21.4	J	0.740	25.0	5	03/30/2025 19:32	WG2479188

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0530	B J	0.0217	0.100	1	03/31/2025 17:25	WG2480026
(S) a,a,a-Trifluorotoluene(FID)	*95.4*			*77.0-120*		*03/31/2025 17:25*	WG2480026

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	03/31/2025 12:55	WG2479783
Toluene	U		0.00130	0.00500	1	03/31/2025 12:55	WG2479783
Ethylbenzene	U		0.000737	0.00250	1	03/31/2025 12:55	WG2479783
Xylenes, Total	U		0.000880	0.00650	1	03/31/2025 12:55	WG2479783
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	03/31/2025 12:55	WG2479783
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	03/31/2025 12:55	WG2479783
(S) Toluene-d8	*96.8*			*75.0-131*		*03/31/2025 12:55*	WG2479783
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*03/31/2025 12:55*	WG2479783
(S) 1,2-Dichloroethane-d4	*91.9*			*70.0-130*		*03/31/2025 12:55*	WG2479783

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.61	4.00	1	04/01/2025 23:24	WG2480289
C28-C36 Motor Oil Range	2.89	J	0.274	4.00	1	04/01/2025 23:24	WG2480289
(S) o-Terphenyl	*114*			*18.0-148*		*04/01/2025 23:24*	WG2480289

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00209	0.00600	1	04/02/2025 04:23	WG2480315
Anthracene	U		0.00230	0.00600	1	04/02/2025 04:23	WG2480315
Benzo(a)anthracene	U		0.00173	0.00600	1	04/02/2025 04:23	WG2480315
Benzo(b)fluoranthene	U		0.00153	0.00600	1	04/02/2025 04:23	WG2480315
Benzo(k)fluoranthene	U		0.00215	0.00600	1	04/02/2025 04:23	WG2480315
Benzo(a)pyrene	U		0.00179	0.00600	1	04/02/2025 04:23	WG2480315
Chrysene	U		0.00232	0.00600	1	04/02/2025 04:23	WG2480315
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	04/02/2025 04:23	WG2480315
Fluoranthene	U		0.00227	0.00600	1	04/02/2025 04:23	WG2480315
Fluorene	U		0.00205	0.00600	1	04/02/2025 04:23	WG2480315
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	04/02/2025 04:23	WG2480315
1-Methylnaphthalene	U		0.00449	0.0200	1	04/02/2025 04:23	WG2480315
2-Methylnaphthalene	U		0.00427	0.0200	1	04/02/2025 04:23	WG2480315
Naphthalene	U		0.00408	0.0200	1	04/02/2025 04:23	WG2480315
Pyrene	U		0.00200	0.00600	1	04/02/2025 04:23	WG2480315
(S) p-Terphenyl-d14	*87.1*			*23.0-120*		*04/02/2025 04:23*	WG2480315
(S) Nitrobenzene-d5	*79.6*			*14.0-149*		*04/02/2025 04:23*	WG2480315
(S) 2-Fluorobiphenyl	*88.6*			*34.0-125*		*04/02/2025 04:23*	WG2480315

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.141		1	03/31/2025 14:07	WG2479422

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	03/31/2025 20:04	WG2479009

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.96	T8	1	03/31/2025 15:36	WG2479884

Sample Narrative:

L1840935-09 WG2479884: 7.96 at 20.9C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	143	umhos/cm		10.0	1	03/31/2025 11:51	WG2479885

Sample Narrative:

L1840935-09 WG2479885: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.0920	J	0.0167	0.200	1	04/01/2025 17:02	WG2479425

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.80		0.100	1.00	5	03/30/2025 19:35	WG2479188
Barium	40.3		0.152	2.50	5	03/30/2025 19:35	WG2479188
Cadmium	0.0868	J	0.0855	1.00	5	03/30/2025 19:35	WG2479188
Copper	4.23	J	0.132	5.00	5	03/30/2025 19:35	WG2479188
Lead	4.16		0.0990	2.00	5	03/30/2025 19:35	WG2479188
Nickel	4.04		0.197	2.50	5	03/30/2025 19:35	WG2479188
Selenium	0.187	J	0.180	2.50	5	03/30/2025 19:35	WG2479188
Silver	U		0.0865	0.500	5	03/30/2025 19:35	WG2479188
Zinc	16.4	J	0.740	25.0	5	03/30/2025 19:35	WG2479188

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0502	B J	0.0217	0.100	1	03/31/2025 17:48	WG2480026
(S) a,a,a-Trifluorotoluene(FID)	*96.9*			*77.0-120*		*03/31/2025 17:48*	WG2480026

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	03/31/2025 13:15	WG2479783
Toluene	U		0.00130	0.00500	1	03/31/2025 13:15	WG2479783
Ethylbenzene	U		0.000737	0.00250	1	03/31/2025 13:15	WG2479783
Xylenes, Total	U		0.000880	0.00650	1	03/31/2025 13:15	WG2479783
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	03/31/2025 13:15	WG2479783
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	03/31/2025 13:15	WG2479783
(S) Toluene-d8	*96.5*			*75.0-131*		*03/31/2025 13:15*	WG2479783
(S) 4-Bromofluorobenzene	*98.1*			*67.0-138*		*03/31/2025 13:15*	WG2479783
(S) 1,2-Dichloroethane-d4	*92.8*			*70.0-130*		*03/31/2025 13:15*	WG2479783

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	7.24		1.61	4.00	1	04/02/2025 17:00	WG2480289
C28-C36 Motor Oil Range	9.82		0.274	4.00	1	04/02/2025 17:00	WG2480289
(S) o-Terphenyl	*101*			*18.0-148*		*04/02/2025 17:00*	WG2480289

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00209	0.00600	1	04/02/2025 04:40	WG2480315
Anthracene	U		0.00230	0.00600	1	04/02/2025 04:40	WG2480315
Benzo(a)anthracene	U		0.00173	0.00600	1	04/02/2025 04:40	WG2480315
Benzo(b)fluoranthene	U		0.00153	0.00600	1	04/02/2025 04:40	WG2480315
Benzo(k)fluoranthene	U		0.00215	0.00600	1	04/02/2025 04:40	WG2480315
Benzo(a)pyrene	U		0.00179	0.00600	1	04/02/2025 04:40	WG2480315
Chrysene	U		0.00232	0.00600	1	04/02/2025 04:40	WG2480315
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	04/02/2025 04:40	WG2480315
Fluoranthene	U		0.00227	0.00600	1	04/02/2025 04:40	WG2480315
Fluorene	U		0.00205	0.00600	1	04/02/2025 04:40	WG2480315
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	04/02/2025 04:40	WG2480315
1-Methylnaphthalene	U		0.00449	0.0200	1	04/02/2025 04:40	WG2480315
2-Methylnaphthalene	U		0.00427	0.0200	1	04/02/2025 04:40	WG2480315
Naphthalene	U		0.00408	0.0200	1	04/02/2025 04:40	WG2480315
Pyrene	U		0.00200	0.00600	1	04/02/2025 04:40	WG2480315
(S) p-Terphenyl-d14	*94.2*			*23.0-120*		*04/02/2025 04:40*	WG2480315
(S) Nitrobenzene-d5	*82.4*			*14.0-149*		*04/02/2025 04:40*	WG2480315
(S) 2-Fluorobiphenyl	*87.0*			*34.0-125*		*04/02/2025 04:40*	WG2480315

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.130		1	03/31/2025 14:09	WG2479422

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	03/31/2025 20:13	WG2479009

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.94	T8	1	03/31/2025 11:19	WG2479870

Sample Narrative:

L1840935-10 WG2479870: 7.94 at 21.6C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	196	umhos/cm		10.0	1	03/31/2025 10:04	WG2479875

Sample Narrative:

L1840935-10 WG2479875: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.0994	J	0.0167	0.200	1	04/01/2025 17:03	WG2479425

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.14		0.100	1.00	5	03/30/2025 19:38	WG2479188
Barium	41.2		0.152	2.50	5	03/30/2025 19:38	WG2479188
Cadmium	0.0917	J	0.0855	1.00	5	03/30/2025 19:38	WG2479188
Copper	4.43	J	0.132	5.00	5	03/30/2025 19:38	WG2479188
Lead	4.77		0.0990	2.00	5	03/30/2025 19:38	WG2479188
Nickel	4.09		0.197	2.50	5	03/30/2025 19:38	WG2479188
Selenium	0.230	J	0.180	2.50	5	03/30/2025 19:38	WG2479188
Silver	U		0.0865	0.500	5	03/30/2025 19:38	WG2479188
Zinc	18.3	J	0.740	25.0	5	03/30/2025 19:38	WG2479188

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0684	B J	0.0217	0.100	1	03/31/2025 18:10	WG2480026
(S) a,a,a-Trifluorotoluene(FID)	*96.6*			*77.0-120*		*03/31/2025 18:10*	WG2480026

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	03/31/2025 13:34	WG2479783
Toluene	U		0.00130	0.00500	1	03/31/2025 13:34	WG2479783
Ethylbenzene	U		0.000737	0.00250	1	03/31/2025 13:34	WG2479783
Xylenes, Total	0.00195	J	0.000880	0.00650	1	03/31/2025 13:34	WG2479783
1,2,4-Trimethylbenzene	0.00488	J	0.00158	0.00500	1	03/31/2025 13:34	WG2479783
1,3,5-Trimethylbenzene	0.00222	J	0.00200	0.00500	1	03/31/2025 13:34	WG2479783
(S) Toluene-d8	*91.4*			*75.0-131*		*03/31/2025 13:34*	WG2479783
(S) 4-Bromofluorobenzene	*94.3*			*67.0-138*		*03/31/2025 13:34*	WG2479783
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*03/31/2025 13:34*	WG2479783

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	4.90		1.61	4.00	1	04/02/2025 00:49	WG2480289
C28-C36 Motor Oil Range	4.36		0.274	4.00	1	04/02/2025 00:49	WG2480289
(S) o-Terphenyl	*94.9*			*18.0-148*		*04/02/2025 00:49*	WG2480289

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00209	0.00600	1	04/02/2025 04:58	WG2480315
Anthracene	U		0.00230	0.00600	1	04/02/2025 04:58	WG2480315
Benzo(a)anthracene	U		0.00173	0.00600	1	04/02/2025 04:58	WG2480315
Benzo(b)fluoranthene	U		0.00153	0.00600	1	04/02/2025 04:58	WG2480315
Benzo(k)fluoranthene	U		0.00215	0.00600	1	04/02/2025 04:58	WG2480315
Benzo(a)pyrene	U		0.00179	0.00600	1	04/02/2025 04:58	WG2480315
Chrysene	U		0.00232	0.00600	1	04/02/2025 04:58	WG2480315
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	04/02/2025 04:58	WG2480315
Fluoranthene	U		0.00227	0.00600	1	04/02/2025 04:58	WG2480315
Fluorene	U		0.00205	0.00600	1	04/02/2025 04:58	WG2480315
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	04/02/2025 04:58	WG2480315
1-Methylnaphthalene	0.00598	J	0.00449	0.0200	1	04/02/2025 04:58	WG2480315
2-Methylnaphthalene	0.0126	J	0.00427	0.0200	1	04/02/2025 04:58	WG2480315
Naphthalene	U		0.00408	0.0200	1	04/02/2025 04:58	WG2480315
Pyrene	U		0.00200	0.00600	1	04/02/2025 04:58	WG2480315
(S) p-Terphenyl-d14	*94.4*			*23.0-120*		*04/02/2025 04:58*	WG2480315
(S) Nitrobenzene-d5	*86.4*			*14.0-149*		*04/02/2025 04:58*	WG2480315
(S) 2-Fluorobiphenyl	*85.8*			*34.0-125*		*04/02/2025 04:58*	WG2480315

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.187		1	03/31/2025 14:11	WG2479422

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	03/31/2025 20:22	WG2479009

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.89	T8	1	03/31/2025 15:36	WG2479884

Sample Narrative:

L1840935-11 WG2479884: 7.89 at 20.5C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	199	umhos/cm		10.0	1	03/31/2025 11:51	WG2479885

Sample Narrative:

L1840935-11 WG2479885: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.0831	J	0.0167	0.200	1	04/01/2025 17:05	WG2479425

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	0.487	J	0.100	1.00	5	04/04/2025 00:51	WG2482623
Barium	19.6		0.152	2.50	5	04/04/2025 00:51	WG2482623
Cadmium	U		0.0855	1.00	5	04/04/2025 00:51	WG2482623
Copper	1.33	J	0.132	5.00	5	04/04/2025 00:51	WG2482623
Lead	2.20		0.0990	2.00	5	04/04/2025 00:51	WG2482623
Nickel	1.09	J	0.197	2.50	5	04/04/2025 00:51	WG2482623
Selenium	U		0.180	2.50	5	04/04/2025 00:51	WG2482623
Silver	U		0.0865	0.500	5	04/04/2025 00:51	WG2482623
Zinc	3.29	J	0.740	25.0	5	04/04/2025 00:51	WG2482623

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0575	B J	0.0217	0.100	1	03/31/2025 18:33	WG2480026
(S) a,a,a-Trifluorotoluene(FID)	*96.4*			*77.0-120*		*03/31/2025 18:33*	WG2480026

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	03/31/2025 13:54	WG2479783
Toluene	U		0.00130	0.00500	1	03/31/2025 13:54	WG2479783
Ethylbenzene	U		0.000737	0.00250	1	03/31/2025 13:54	WG2479783
Xylenes, Total	U		0.000880	0.00650	1	03/31/2025 13:54	WG2479783
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	03/31/2025 13:54	WG2479783
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	03/31/2025 13:54	WG2479783
(S) Toluene-d8	*96.6*			*75.0-131*		*03/31/2025 13:54*	WG2479783
(S) 4-Bromofluorobenzene	*98.3*			*67.0-138*		*03/31/2025 13:54*	WG2479783
(S) 1,2-Dichloroethane-d4	*94.6*			*70.0-130*		*03/31/2025 13:54*	WG2479783

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.61	4.00	1	04/02/2025 00:35	WG2480289
C28-C36 Motor Oil Range	3.51	J	0.274	4.00	1	04/02/2025 00:35	WG2480289
(S) o-Terphenyl	*118*			*18.0-148*		*04/02/2025 00:35*	WG2480289

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00209	0.00600	1	04/02/2025 05:15	WG2480315
Anthracene	U		0.00230	0.00600	1	04/02/2025 05:15	WG2480315
Benzo(a)anthracene	U		0.00173	0.00600	1	04/02/2025 05:15	WG2480315
Benzo(b)fluoranthene	U		0.00153	0.00600	1	04/02/2025 05:15	WG2480315
Benzo(k)fluoranthene	U		0.00215	0.00600	1	04/02/2025 05:15	WG2480315
Benzo(a)pyrene	U		0.00179	0.00600	1	04/02/2025 05:15	WG2480315
Chrysene	U		0.00232	0.00600	1	04/02/2025 05:15	WG2480315
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	04/02/2025 05:15	WG2480315
Fluoranthene	U		0.00227	0.00600	1	04/02/2025 05:15	WG2480315
Fluorene	U		0.00205	0.00600	1	04/02/2025 05:15	WG2480315
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	04/02/2025 05:15	WG2480315
1-Methylnaphthalene	U		0.00449	0.0200	1	04/02/2025 05:15	WG2480315
2-Methylnaphthalene	U		0.00427	0.0200	1	04/02/2025 05:15	WG2480315
Naphthalene	U		0.00408	0.0200	1	04/02/2025 05:15	WG2480315
Pyrene	U		0.00200	0.00600	1	04/02/2025 05:15	WG2480315
(S) p-Terphenyl-d14	*95.3*			*23.0-120*		*04/02/2025 05:15*	WG2480315
(S) Nitrobenzene-d5	*81.7*			*14.0-149*		*04/02/2025 05:15*	WG2480315
(S) 2-Fluorobiphenyl	*88.3*			*34.0-125*		*04/02/2025 05:15*	WG2480315

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.133		1	03/31/2025 14:13	WG2479422

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	04/01/2025 00:21	WG2479011

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	6.43	T8	1	03/31/2025 15:36	WG2479884

Sample Narrative:

L1840935-12 WG2479884: 6.43 at 20.7C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	77.0	umhos/cm		10.0	1	03/31/2025 11:51	WG2479885

Sample Narrative:

L1840935-12 WG2479885: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.0836	J	0.0167	0.200	1	04/01/2025 17:10	WG2479425

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.01		0.100	1.00	5	03/31/2025 01:29	WG2479191
Barium	21.4		0.152	2.50	5	03/31/2025 01:29	WG2479191
Cadmium	U		0.0855	1.00	5	03/31/2025 01:29	WG2479191
Copper	2.34	J	0.132	5.00	5	03/31/2025 01:29	WG2479191
Lead	3.28		0.0990	2.00	5	03/31/2025 01:29	WG2479191
Nickel	2.00	J	0.197	2.50	5	03/31/2025 01:29	WG2479191
Selenium	U		0.180	2.50	5	03/31/2025 01:29	WG2479191
Silver	U		0.0865	0.500	5	03/31/2025 01:29	WG2479191
Zinc	10.6	J	0.740	25.0	5	03/31/2025 01:29	WG2479191

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.150		1	03/31/2025 14:14	WG2479422

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	04/01/2025 00:30	WG2479011

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	6.87	T8	1	03/31/2025 15:36	WG2479884

Sample Narrative:

L1840935-13 WG2479884: 6.87 at 20.6C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	80.4	umhos/cm		10.0	1	03/31/2025 11:51	WG2479885

Sample Narrative:

L1840935-13 WG2479885: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.0857	J	0.0167	0.200	1	04/01/2025 17:12	WG2479425

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.42		0.100	1.00	5	03/31/2025 01:32	WG2479191
Barium	44.8		0.152	2.50	5	03/31/2025 01:32	WG2479191
Cadmium	U		0.0855	1.00	5	03/31/2025 01:32	WG2479191
Copper	3.43	J	0.132	5.00	5	03/31/2025 01:32	WG2479191
Lead	3.92		0.0990	2.00	5	03/31/2025 01:32	WG2479191
Nickel	4.08		0.197	2.50	5	03/31/2025 01:32	WG2479191
Selenium	0.196	J	0.180	2.50	5	03/31/2025 01:32	WG2479191
Silver	U		0.0865	0.500	5	03/31/2025 01:32	WG2479191
Zinc	17.9	J	0.740	25.0	5	03/31/2025 01:32	WG2479191

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.130		1	03/31/2025 14:19	WG2479422

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	04/01/2025 00:39	WG2479011

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	6.48	T8	1	03/31/2025 15:36	WG2479884

Sample Narrative:

L1840935-14 WG2479884: 6.48 at 20.7C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	136	umhos/cm		10.0	1	03/31/2025 11:51	WG2479885

Sample Narrative:

L1840935-14 WG2479885: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.0789	J	0.0167	0.200	1	04/01/2025 17:14	WG2479425

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.02		0.100	1.00	5	03/31/2025 01:35	WG2479191
Barium	19.6		0.152	2.50	5	03/31/2025 01:35	WG2479191
Cadmium	0.0923	J	0.0855	1.00	5	03/31/2025 01:35	WG2479191
Copper	2.39	J	0.132	5.00	5	03/31/2025 01:35	WG2479191
Lead	3.66		0.0990	2.00	5	03/31/2025 01:35	WG2479191
Nickel	2.01	J	0.197	2.50	5	03/31/2025 01:35	WG2479191
Selenium	U		0.180	2.50	5	03/31/2025 01:35	WG2479191
Silver	U		0.0865	0.500	5	03/31/2025 01:35	WG2479191
Zinc	10.8	J	0.740	25.0	5	03/31/2025 01:35	WG2479191

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.128		1	03/31/2025 14:21	WG2479422

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	04/01/2025 00:48	WG2479011

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	6.71	T8	1	03/31/2025 15:36	WG2479884

Sample Narrative:

L1840935-15 WG2479884: 6.71 at 20.5C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	81.9	umhos/cm		10.0	1	03/31/2025 11:51	WG2479885

Sample Narrative:

L1840935-15 WG2479885: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.0908	J	0.0167	0.200	1	04/01/2025 17:16	WG2479425

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.09		0.100	1.00	5	03/31/2025 01:39	WG2479191
Barium	27.2		0.152	2.50	5	03/31/2025 01:39	WG2479191
Cadmium	U		0.0855	1.00	5	03/31/2025 01:39	WG2479191
Copper	2.45	J	0.132	5.00	5	03/31/2025 01:39	WG2479191
Lead	3.30		0.0990	2.00	5	03/31/2025 01:39	WG2479191
Nickel	2.46	J	0.197	2.50	5	03/31/2025 01:39	WG2479191
Selenium	0.204	J	0.180	2.50	5	03/31/2025 01:39	WG2479191
Silver	U		0.0865	0.500	5	03/31/2025 01:39	WG2479191
Zinc	11.6	J	0.740	25.0	5	03/31/2025 01:39	WG2479191

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.117		1	03/31/2025 14:23	WG2479422

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	04/01/2025 01:06	WG2479011

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	6.48	T8	1	03/31/2025 15:36	WG2479884

Sample Narrative:

L1840935-16 WG2479884: 6.48 at 20.4C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	89.7	umhos/cm		10.0	1	03/31/2025 11:51	WG2479885

Sample Narrative:

L1840935-16 WG2479885: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.0621	J	0.0167	0.200	1	04/01/2025 17:17	WG2479425

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.19		0.100	1.00	5	03/31/2025 01:42	WG2479191
Barium	26.6		0.152	2.50	5	03/31/2025 01:42	WG2479191
Cadmium	0.124	J	0.0855	1.00	5	03/31/2025 01:42	WG2479191
Copper	2.80	J	0.132	5.00	5	03/31/2025 01:42	WG2479191
Lead	3.99		0.0990	2.00	5	03/31/2025 01:42	WG2479191
Nickel	2.31	J	0.197	2.50	5	03/31/2025 01:42	WG2479191
Selenium	0.213	J	0.180	2.50	5	03/31/2025 01:42	WG2479191
Silver	U		0.0865	0.500	5	03/31/2025 01:42	WG2479191
Zinc	11.5	J	0.740	25.0	5	03/31/2025 01:42	WG2479191

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.133		1	03/31/2025 14:24	WG2479422

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	04/01/2025 01:15	WG2479011

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	6.87	T8	1	03/31/2025 15:36	WG2479884

Sample Narrative:

L1840935-17 WG2479884: 6.87 at 20.4C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	102	umhos/cm		10.0	1	03/31/2025 11:51	WG2479885

Sample Narrative:

L1840935-17 WG2479885: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.0939	J	0.0167	0.200	1	04/01/2025 17:19	WG2479425

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.42		0.100	1.00	5	03/31/2025 01:45	WG2479191
Barium	34.1		0.152	2.50	5	03/31/2025 01:45	WG2479191
Cadmium	U		0.0855	1.00	5	03/31/2025 01:45	WG2479191
Copper	3.29	J	0.132	5.00	5	03/31/2025 01:45	WG2479191
Lead	3.28		0.0990	2.00	5	03/31/2025 01:45	WG2479191
Nickel	3.48		0.197	2.50	5	03/31/2025 01:45	WG2479191
Selenium	0.196	J	0.180	2.50	5	03/31/2025 01:45	WG2479191
Silver	U		0.0865	0.500	5	03/31/2025 01:45	WG2479191
Zinc	14.4	J	0.740	25.0	5	03/31/2025 01:45	WG2479191

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.252		1	03/31/2025 14:26	WG2479422

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	04/01/2025 01:24	WG2479011

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.82	T8	1	03/31/2025 15:36	WG2479884

Sample Narrative:

L1840935-18 WG2479884: 7.82 at 20.7C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	238	umhos/cm		10.0	1	03/31/2025 11:51	WG2479885

Sample Narrative:

L1840935-18 WG2479885: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.137	J	0.0167	0.200	1	04/01/2025 17:21	WG2479425

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.75		0.100	1.00	5	03/31/2025 01:48	WG2479191
Barium	43.9		0.152	2.50	5	03/31/2025 01:48	WG2479191
Cadmium	0.106	J	0.0855	1.00	5	03/31/2025 01:48	WG2479191
Copper	4.31	J	0.132	5.00	5	03/31/2025 01:48	WG2479191
Lead	4.08		0.0990	2.00	5	03/31/2025 01:48	WG2479191
Nickel	4.35		0.197	2.50	5	03/31/2025 01:48	WG2479191
Selenium	0.195	J	0.180	2.50	5	03/31/2025 01:48	WG2479191
Silver	U		0.0865	0.500	5	03/31/2025 01:48	WG2479191
Zinc	17.7	J	0.740	25.0	5	03/31/2025 01:48	WG2479191

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0536	B J	0.0217	0.100	1	03/31/2025 18:55	WG2480026
(S) a,a,a-Trifluorotoluene(FID)	*96.1*			*77.0-120*		*03/31/2025 18:55*	WG2480026

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	03/31/2025 14:14	WG2479783
Toluene	U		0.00130	0.00500	1	03/31/2025 14:14	WG2479783
Ethylbenzene	U		0.000737	0.00250	1	03/31/2025 14:14	WG2479783
Xylenes, Total	U		0.000880	0.00650	1	03/31/2025 14:14	WG2479783
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	03/31/2025 14:14	WG2479783
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	03/31/2025 14:14	WG2479783
(S) Toluene-d8	*95.8*			*75.0-131*		*03/31/2025 14:14*	WG2479783
(S) 4-Bromofluorobenzene	*99.1*			*67.0-138*		*03/31/2025 14:14*	WG2479783
(S) 1,2-Dichloroethane-d4	*96.4*			*70.0-130*		*03/31/2025 14:14*	WG2479783

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	3.42	J	1.61	4.00	1	04/02/2025 16:47	WG2480290
C28-C36 Motor Oil Range	5.89		0.274	4.00	1	04/02/2025 16:47	WG2480290
(S) o-Terphenyl	*137*			*18.0-148*		*04/02/2025 16:47*	WG2480290

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00209	0.00600	1	04/02/2025 05:33	WG2480315
Anthracene	U		0.00230	0.00600	1	04/02/2025 05:33	WG2480315
Benzo(a)anthracene	U		0.00173	0.00600	1	04/02/2025 05:33	WG2480315
Benzo(b)fluoranthene	U		0.00153	0.00600	1	04/02/2025 05:33	WG2480315
Benzo(k)fluoranthene	U		0.00215	0.00600	1	04/02/2025 05:33	WG2480315
Benzo(a)pyrene	U		0.00179	0.00600	1	04/02/2025 05:33	WG2480315
Chrysene	U		0.00232	0.00600	1	04/02/2025 05:33	WG2480315
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	04/02/2025 05:33	WG2480315
Fluoranthene	U		0.00227	0.00600	1	04/02/2025 05:33	WG2480315
Fluorene	U		0.00205	0.00600	1	04/02/2025 05:33	WG2480315
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	04/02/2025 05:33	WG2480315
1-Methylnaphthalene	U		0.00449	0.0200	1	04/02/2025 05:33	WG2480315
2-Methylnaphthalene	U		0.00427	0.0200	1	04/02/2025 05:33	WG2480315
Naphthalene	U		0.00408	0.0200	1	04/02/2025 05:33	WG2480315
Pyrene	U		0.00200	0.00600	1	04/02/2025 05:33	WG2480315
(S) p-Terphenyl-d14	*97.1*			*23.0-120*		*04/02/2025 05:33*	WG2480315
(S) Nitrobenzene-d5	*82.7*			*14.0-149*		*04/02/2025 05:33*	WG2480315
(S) 2-Fluorobiphenyl	*88.3*			*34.0-125*		*04/02/2025 05:33*	WG2480315

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.132		1	03/31/2025 14:28	WG2479422

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	04/01/2025 01:51	WG2479011

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.99	T8	1	03/31/2025 11:19	WG2479870

Sample Narrative:

L1840935-19 WG2479870: 7.99 at 21.6C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	169	umhos/cm		10.0	1	03/31/2025 10:04	WG2479875

Sample Narrative:

L1840935-19 WG2479875: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.0702	J	0.0167	0.200	1	04/01/2025 17:23	WG2479425

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.51		0.100	1.00	5	03/31/2025 01:51	WG2479191
Barium	40.4		0.152	2.50	5	03/31/2025 01:51	WG2479191
Cadmium	U		0.0855	1.00	5	03/31/2025 01:51	WG2479191
Copper	3.40	J	0.132	5.00	5	03/31/2025 01:51	WG2479191
Lead	3.81		0.0990	2.00	5	03/31/2025 01:51	WG2479191
Nickel	3.62		0.197	2.50	5	03/31/2025 01:51	WG2479191
Selenium	U		0.180	2.50	5	03/31/2025 01:51	WG2479191
Silver	U		0.0865	0.500	5	03/31/2025 01:51	WG2479191
Zinc	14.9	J	0.740	25.0	5	03/31/2025 01:51	WG2479191

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0636	B J	0.0217	0.100	1	03/31/2025 19:17	WG2480026
(S) a,a,a-Trifluorotoluene(FID)	*96.2*			*77.0-120*		*03/31/2025 19:17*	WG2480026

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	03/31/2025 14:34	WG2479783
Toluene	U		0.00130	0.00500	1	03/31/2025 14:34	WG2479783
Ethylbenzene	U		0.000737	0.00250	1	03/31/2025 14:34	WG2479783
Xylenes, Total	U		0.000880	0.00650	1	03/31/2025 14:34	WG2479783
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	03/31/2025 14:34	WG2479783
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	03/31/2025 14:34	WG2479783
(S) Toluene-d8	*95.4*			*75.0-131*		*03/31/2025 14:34*	WG2479783
(S) 4-Bromofluorobenzene	*98.0*			*67.0-138*		*03/31/2025 14:34*	WG2479783
(S) 1,2-Dichloroethane-d4	*93.9*			*70.0-130*		*03/31/2025 14:34*	WG2479783

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.61	4.00	1	04/01/2025 22:12	WG2480290
C28-C36 Motor Oil Range	2.26	J	0.274	4.00	1	04/01/2025 22:12	WG2480290
(S) o-Terphenyl	*118*			*18.0-148*		*04/01/2025 22:12*	WG2480290

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00209	0.00600	1	04/02/2025 06:30	WG2480315
Anthracene	U		0.00230	0.00600	1	04/02/2025 06:30	WG2480315
Benzo(a)anthracene	U		0.00173	0.00600	1	04/02/2025 06:30	WG2480315
Benzo(b)fluoranthene	U		0.00153	0.00600	1	04/02/2025 06:30	WG2480315
Benzo(k)fluoranthene	U		0.00215	0.00600	1	04/02/2025 06:30	WG2480315
Benzo(a)pyrene	U		0.00179	0.00600	1	04/02/2025 06:30	WG2480315
Chrysene	U		0.00232	0.00600	1	04/02/2025 06:30	WG2480315
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	04/02/2025 06:30	WG2480315
Fluoranthene	U		0.00227	0.00600	1	04/02/2025 06:30	WG2480315
Fluorene	U		0.00205	0.00600	1	04/02/2025 06:30	WG2480315
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	04/02/2025 06:30	WG2480315
1-Methylnaphthalene	U		0.00449	0.0200	1	04/02/2025 06:30	WG2480315
2-Methylnaphthalene	U		0.00427	0.0200	1	04/02/2025 06:30	WG2480315
Naphthalene	U		0.00408	0.0200	1	04/02/2025 06:30	WG2480315
Pyrene	U		0.00200	0.00600	1	04/02/2025 06:30	WG2480315
(S) p-Terphenyl-d14	*93.4*			*23.0-120*		*04/02/2025 06:30*	WG2480315
(S) Nitrobenzene-d5	*78.4*			*14.0-149*		*04/02/2025 06:30*	WG2480315
(S) 2-Fluorobiphenyl	*90.6*			*34.0-125*		*04/02/2025 06:30*	WG2480315

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.769		1	03/31/2025 14:29	WG2479422

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	04/01/2025 02:00	WG2479011

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.67	T8	1	03/31/2025 15:36	WG2479884

Sample Narrative:

L1840935-20 WG2479884: 7.67 at 20.9C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	142	umhos/cm		10.0	1	03/31/2025 11:51	WG2479885

Sample Narrative:

L1840935-20 WG2479885: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.0995	J	0.0167	0.200	1	04/01/2025 17:24	WG2479425

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.37		0.100	1.00	5	03/31/2025 01:54	WG2479191
Barium	36.9		0.152	2.50	5	03/31/2025 01:54	WG2479191
Cadmium	U		0.0855	1.00	5	03/31/2025 01:54	WG2479191
Copper	3.17	J	0.132	5.00	5	03/31/2025 01:54	WG2479191
Lead	3.29		0.0990	2.00	5	03/31/2025 01:54	WG2479191
Nickel	3.28		0.197	2.50	5	03/31/2025 01:54	WG2479191
Selenium	U		0.180	2.50	5	03/31/2025 01:54	WG2479191
Silver	U		0.0865	0.500	5	03/31/2025 01:54	WG2479191
Zinc	15.3	J	0.740	25.0	5	03/31/2025 01:54	WG2479191

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0602	B J	0.0217	0.100	1	03/31/2025 19:40	WG2480026
(S) a,a,a-Trifluorotoluene(FID)	*95.4*			*77.0-120*		*03/31/2025 19:40*	WG2480026

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	03/31/2025 14:54	WG2479783
Toluene	U		0.00130	0.00500	1	03/31/2025 14:54	WG2479783
Ethylbenzene	U		0.000737	0.00250	1	03/31/2025 14:54	WG2479783
Xylenes, Total	U		0.000880	0.00650	1	03/31/2025 14:54	WG2479783
1,2,4-Trimethylbenzene	0.00165	J	0.00158	0.00500	1	03/31/2025 14:54	WG2479783
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	03/31/2025 14:54	WG2479783
(S) Toluene-d8	*99.1*			*75.0-131*		*03/31/2025 14:54*	WG2479783
(S) 4-Bromofluorobenzene	*99.5*			*67.0-138*		*03/31/2025 14:54*	WG2479783
(S) 1,2-Dichloroethane-d4	*95.2*			*70.0-130*		*03/31/2025 14:54*	WG2479783

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	6.96		1.61	4.00	1	04/02/2025 01:03	WG2480290
C28-C36 Motor Oil Range	9.31		0.274	4.00	1	04/02/2025 01:03	WG2480290
(S) o-Terphenyl	*110*			*18.0-148*		*04/02/2025 01:03*	WG2480290

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00209	0.00600	1	04/02/2025 05:50	WG2480315
Anthracene	U		0.00230	0.00600	1	04/02/2025 05:50	WG2480315
Benzo(a)anthracene	U		0.00173	0.00600	1	04/02/2025 05:50	WG2480315
Benzo(b)fluoranthene	U		0.00153	0.00600	1	04/02/2025 05:50	WG2480315
Benzo(k)fluoranthene	U		0.00215	0.00600	1	04/02/2025 05:50	WG2480315
Benzo(a)pyrene	U		0.00179	0.00600	1	04/02/2025 05:50	WG2480315
Chrysene	U		0.00232	0.00600	1	04/02/2025 05:50	WG2480315
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	04/02/2025 05:50	WG2480315
Fluoranthene	U		0.00227	0.00600	1	04/02/2025 05:50	WG2480315
Fluorene	U		0.00205	0.00600	1	04/02/2025 05:50	WG2480315
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	04/02/2025 05:50	WG2480315
1-Methylnaphthalene	U		0.00449	0.0200	1	04/02/2025 05:50	WG2480315
2-Methylnaphthalene	U		0.00427	0.0200	1	04/02/2025 05:50	WG2480315
Naphthalene	U		0.00408	0.0200	1	04/02/2025 05:50	WG2480315
Pyrene	U		0.00200	0.00600	1	04/02/2025 05:50	WG2480315
(S) p-Terphenyl-d14	*101*			*23.0-120*		*04/02/2025 05:50*	WG2480315
(S) Nitrobenzene-d5	*82.6*			*14.0-149*		*04/02/2025 05:50*	WG2480315
(S) 2-Fluorobiphenyl	*89.4*			*34.0-125*		*04/02/2025 05:50*	WG2480315

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.101		1	03/31/2025 14:31	WG2479422

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	04/01/2025 02:09	WG2479011

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	5.85	T8	1	03/31/2025 13:51	WG2479866

Sample Narrative:

L1840935-21 WG2479866: 5.85 at 20.7C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	958	umhos/cm		10.0	1	03/31/2025 10:35	WG2479869

Sample Narrative:

L1840935-21 WG2479869: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.0903	J	0.0167	0.200	1	04/01/2025 17:26	WG2479425

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.80		0.100	1.00	5	04/01/2025 22:09	WG2479193
Barium	63.6		0.152	2.50	5	04/01/2025 22:09	WG2479193
Cadmium	0.0868	J	0.0855	1.00	5	04/01/2025 22:09	WG2479193
Copper	4.80	J	0.132	5.00	5	04/01/2025 22:09	WG2479193
Lead	4.54		0.0990	2.00	5	04/01/2025 22:09	WG2479193
Nickel	4.37		0.197	2.50	5	04/01/2025 22:09	WG2479193
Selenium	0.855	J	0.180	2.50	5	04/01/2025 22:09	WG2479193
Silver	U		0.0865	0.500	5	04/01/2025 22:09	WG2479193
Zinc	26.9		0.740	25.0	5	04/01/2025 22:09	WG2479193

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0386	J	0.0217	0.100	1	04/01/2025 05:34	WG2480371
(S) a,a,a-Trifluorotoluene(FID)	*93.2*			*77.0-120*		*04/01/2025 05:34*	WG2480371

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	03/31/2025 21:13	WG2480074
Toluene	0.00247	J	0.00130	0.00500	1	03/31/2025 21:13	WG2480074
Ethylbenzene	U		0.000737	0.00250	1	03/31/2025 21:13	WG2480074
Xylenes, Total	U		0.000880	0.00650	1	03/31/2025 21:13	WG2480074
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	03/31/2025 21:13	WG2480074
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	03/31/2025 21:13	WG2480074
(S) Toluene-d8	*96.5*			*75.0-131*		*03/31/2025 21:13*	WG2480074
(S) 4-Bromofluorobenzene	*98.2*			*67.0-138*		*03/31/2025 21:13*	WG2480074
(S) 1,2-Dichloroethane-d4	*90.9*			*70.0-130*		*03/31/2025 21:13*	WG2480074

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	6.14		1.61	4.00	1	04/02/2025 01:18	WG2480290
C28-C36 Motor Oil Range	18.8		0.274	4.00	1	04/02/2025 01:18	WG2480290
(S) o-Terphenyl	*76.6*			*18.0-148*		*04/02/2025 01:18*	WG2480290

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00209	0.00600	1	04/02/2025 06:07	WG2480315
Anthracene	U		0.00230	0.00600	1	04/02/2025 06:07	WG2480315
Benzo(a)anthracene	U		0.00173	0.00600	1	04/02/2025 06:07	WG2480315
Benzo(b)fluoranthene	U		0.00153	0.00600	1	04/02/2025 06:07	WG2480315
Benzo(k)fluoranthene	U		0.00215	0.00600	1	04/02/2025 06:07	WG2480315
Benzo(a)pyrene	U		0.00179	0.00600	1	04/02/2025 06:07	WG2480315
Chrysene	U		0.00232	0.00600	1	04/02/2025 06:07	WG2480315
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	04/02/2025 06:07	WG2480315
Fluoranthene	U		0.00227	0.00600	1	04/02/2025 06:07	WG2480315
Fluorene	U		0.00205	0.00600	1	04/02/2025 06:07	WG2480315
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	04/02/2025 06:07	WG2480315
1-Methylnaphthalene	U		0.00449	0.0200	1	04/02/2025 06:07	WG2480315
2-Methylnaphthalene	U		0.00427	0.0200	1	04/02/2025 06:07	WG2480315
Naphthalene	U		0.00408	0.0200	1	04/02/2025 06:07	WG2480315
Pyrene	U		0.00200	0.00600	1	04/02/2025 06:07	WG2480315
(S) p-Terphenyl-d14	*100*			*23.0-120*		*04/02/2025 06:07*	WG2480315
(S) Nitrobenzene-d5	*87.2*			*14.0-149*		*04/02/2025 06:07*	WG2480315
(S) 2-Fluorobiphenyl	*95.2*			*34.0-125*		*04/02/2025 06:07*	WG2480315

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.447		1	03/31/2025 14:33	WG2479422

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	04/01/2025 02:18	WG2479011

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.96	T8	1	03/31/2025 15:36	WG2479884

Sample Narrative:

L1840935-22 WG2479884: 7.96 at 20.9C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	226	umhos/cm		10.0	1	03/31/2025 11:51	WG2479885

Sample Narrative:

L1840935-22 WG2479885: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.110	J	0.0167	0.200	1	04/01/2025 17:31	WG2479425

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.73		0.100	1.00	5	03/31/2025 01:57	WG2479191
Barium	65.1		0.152	2.50	5	03/31/2025 01:57	WG2479191
Cadmium	U		0.0855	1.00	5	03/31/2025 01:57	WG2479191
Copper	5.49		0.132	5.00	5	03/31/2025 01:57	WG2479191
Lead	5.03		0.0990	2.00	5	03/31/2025 01:57	WG2479191
Nickel	5.70		0.197	2.50	5	03/31/2025 01:57	WG2479191
Selenium	0.285	J	0.180	2.50	5	03/31/2025 01:57	WG2479191
Silver	U		0.0865	0.500	5	03/31/2025 01:57	WG2479191
Zinc	22.3	J	0.740	25.0	5	03/31/2025 01:57	WG2479191

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0332	J	0.0217	0.100	1	04/01/2025 05:58	WG2480371
(S) a,a,a-Trifluorotoluene(FID)	*93.3*			*77.0-120*		*04/01/2025 05:58*	WG2480371

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	03/31/2025 21:33	WG2480074
Toluene	0.00218	J	0.00130	0.00500	1	03/31/2025 21:33	WG2480074
Ethylbenzene	U		0.000737	0.00250	1	03/31/2025 21:33	WG2480074
Xylenes, Total	U		0.000880	0.00650	1	03/31/2025 21:33	WG2480074
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	03/31/2025 21:33	WG2480074
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	03/31/2025 21:33	WG2480074
(S) Toluene-d8	*96.4*			*75.0-131*		*03/31/2025 21:33*	WG2480074
(S) 4-Bromofluorobenzene	*96.7*			*67.0-138*		*03/31/2025 21:33*	WG2480074
(S) 1,2-Dichloroethane-d4	*91.0*			*70.0-130*		*03/31/2025 21:33*	WG2480074

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	8.73		1.61	4.00	1	04/01/2025 22:26	WG2480290
C28-C36 Motor Oil Range	3.74	J	0.274	4.00	1	04/01/2025 22:26	WG2480290
(S) o-Terphenyl	*108*			*18.0-148*		*04/01/2025 22:26*	WG2480290

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00209	0.00600	1	04/02/2025 06:25	WG2480315
Anthracene	U		0.00230	0.00600	1	04/02/2025 06:25	WG2480315
Benzo(a)anthracene	U		0.00173	0.00600	1	04/02/2025 06:25	WG2480315
Benzo(b)fluoranthene	U		0.00153	0.00600	1	04/02/2025 06:25	WG2480315
Benzo(k)fluoranthene	U		0.00215	0.00600	1	04/02/2025 06:25	WG2480315
Benzo(a)pyrene	U		0.00179	0.00600	1	04/02/2025 06:25	WG2480315
Chrysene	U		0.00232	0.00600	1	04/02/2025 06:25	WG2480315
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	04/02/2025 06:25	WG2480315
Fluoranthene	U		0.00227	0.00600	1	04/02/2025 06:25	WG2480315
Fluorene	U		0.00205	0.00600	1	04/02/2025 06:25	WG2480315
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	04/02/2025 06:25	WG2480315
1-Methylnaphthalene	U		0.00449	0.0200	1	04/02/2025 06:25	WG2480315
2-Methylnaphthalene	U		0.00427	0.0200	1	04/02/2025 06:25	WG2480315
Naphthalene	U		0.00408	0.0200	1	04/02/2025 06:25	WG2480315
Pyrene	U		0.00200	0.00600	1	04/02/2025 06:25	WG2480315
(S) p-Terphenyl-d14	*95.9*			*23.0-120*		*04/02/2025 06:25*	WG2480315
(S) Nitrobenzene-d5	*88.6*			*14.0-149*		*04/02/2025 06:25*	WG2480315
(S) 2-Fluorobiphenyl	*89.4*			*34.0-125*		*04/02/2025 06:25*	WG2480315

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.454		1	03/31/2025 14:35	WG2479422

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	04/01/2025 02:27	WG2479011

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.88	T8	1	03/31/2025 15:36	WG2479884

Sample Narrative:

L1840935-23 WG2479884: 7.88 at 20.7C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	182	umhos/cm		10.0	1	03/31/2025 11:51	WG2479885

Sample Narrative:

L1840935-23 WG2479885: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.0867	J	0.0167	0.200	1	04/01/2025 17:33	WG2479425

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.76		0.100	1.00	5	03/31/2025 02:07	WG2479191
Barium	37.0		0.152	2.50	5	03/31/2025 02:07	WG2479191
Cadmium	0.0928	J	0.0855	1.00	5	03/31/2025 02:07	WG2479191
Copper	3.83	J	0.132	5.00	5	03/31/2025 02:07	WG2479191
Lead	4.23		0.0990	2.00	5	03/31/2025 02:07	WG2479191
Nickel	3.69		0.197	2.50	5	03/31/2025 02:07	WG2479191
Selenium	U		0.180	2.50	5	03/31/2025 02:07	WG2479191
Silver	U		0.0865	0.500	5	03/31/2025 02:07	WG2479191
Zinc	18.7	J	0.740	25.0	5	03/31/2025 02:07	WG2479191

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0248	J	0.0217	0.100	1	04/01/2025 06:22	WG2480371
(S) a,a,a-Trifluorotoluene(FID)	*93.6*			*77.0-120*		*04/01/2025 06:22*	WG2480371

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	03/31/2025 21:53	WG2480074
Toluene	0.00220	J	0.00130	0.00500	1	03/31/2025 21:53	WG2480074
Ethylbenzene	U		0.000737	0.00250	1	03/31/2025 21:53	WG2480074
Xylenes, Total	U		0.000880	0.00650	1	03/31/2025 21:53	WG2480074
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	03/31/2025 21:53	WG2480074
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	03/31/2025 21:53	WG2480074
(S) Toluene-d8	*96.8*			*75.0-131*		*03/31/2025 21:53*	WG2480074
(S) 4-Bromofluorobenzene	*99.2*			*67.0-138*		*03/31/2025 21:53*	WG2480074
(S) 1,2-Dichloroethane-d4	*93.8*			*70.0-130*		*03/31/2025 21:53*	WG2480074

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	5.56	J6	1.61	4.00	1	04/02/2025 11:59	WG2480290
C28-C36 Motor Oil Range	9.01		0.274	4.00	1	04/02/2025 11:59	WG2480290
(S) o-Terphenyl	*120*			*18.0-148*		*04/02/2025 11:59*	WG2480290

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00209	0.00600	1	04/02/2025 01:01	WG2480316
Anthracene	U		0.00230	0.00600	1	04/02/2025 01:01	WG2480316
Benzo(a)anthracene	0.00362	J	0.00173	0.00600	1	04/02/2025 01:01	WG2480316
Benzo(b)fluoranthene	0.00364	J	0.00153	0.00600	1	04/02/2025 01:01	WG2480316
Benzo(k)fluoranthene	U		0.00215	0.00600	1	04/02/2025 01:01	WG2480316
Benzo(a)pyrene	0.00210	J	0.00179	0.00600	1	04/02/2025 01:01	WG2480316
Chrysene	U		0.00232	0.00600	1	04/02/2025 01:01	WG2480316
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	04/02/2025 01:01	WG2480316
Fluoranthene	0.0110		0.00227	0.00600	1	04/02/2025 01:01	WG2480316
Fluorene	U		0.00205	0.00600	1	04/02/2025 01:01	WG2480316
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	04/02/2025 01:01	WG2480316
1-Methylnaphthalene	U		0.00449	0.0200	1	04/02/2025 01:01	WG2480316
2-Methylnaphthalene	U		0.00427	0.0200	1	04/02/2025 01:01	WG2480316
Naphthalene	U		0.00408	0.0200	1	04/02/2025 01:01	WG2480316
Pyrene	0.00803		0.00200	0.00600	1	04/02/2025 01:01	WG2480316
(S) p-Terphenyl-d14	*76.4*			*23.0-120*		*04/02/2025 01:01*	WG2480316
(S) Nitrobenzene-d5	*86.3*			*14.0-149*		*04/02/2025 01:01*	WG2480316
(S) 2-Fluorobiphenyl	*79.3*			*34.0-125*		*04/02/2025 01:01*	WG2480316

Method Blank (MB)

(MB) R4193358-1 03/31/25 15:53

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

L1840931-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1840931-04 03/31/25 16:37 • (DUP) R4193358-3 03/31/25 16:46

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

L1840935-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1840935-11 03/31/25 20:22 • (DUP) R4193358-8 03/31/25 20:31

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

Laboratory Control Sample (LCS)

(LCS) R4193358-2 03/31/25 16:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexavalent Chromium	10.0	9.60	96.0	80.0-120	

L1840935-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1840935-04 03/31/25 18:25 • (MS) R4193358-4 03/31/25 18:34 • (MSD) R4193358-5 03/31/25 18:43

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	U	19.2	19.7	96.1	98.7	1	75.0-125			2.62	20

L1840935-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1840935-04 03/31/25 18:25 • (MS) R4193358-6 03/31/25 18:52

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	636	U	616	96.9	50	75.0-125	

Method Blank (MB)

(MB) R4193414-1 04/01/25 00:03

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

L1840935-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1840935-15 04/01/25 00:48 • (DUP) R4193414-3 04/01/25 00:57

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

L1840935-23 Original Sample (OS) • Duplicate (DUP)

(OS) L1840935-23 04/01/25 02:27 • (DUP) R4193414-4 04/01/25 02:36

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

Laboratory Control Sample (LCS)

(LCS) R4193414-2 04/01/25 00:12

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

L1841046-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1841046-05 04/01/25 04:06 • (MS) R4193414-5 04/01/25 04:14 • (MSD) R4193414-6 04/01/25 04:23

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Hexavalent Chromium	20.0	U	20.1	19.1	100	95.3	1	75.0-125			5.08	20

L1841046-05 Original Sample (OS) • Matrix Spike (MS)

(OS) L1841046-05 04/01/25 04:06 • (MS) R4193414-7 04/01/25 04:32

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	638	U	142	22.2	50	75.0-125	J6

L1840931-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1840931-01 03/31/25 13:51 • (DUP) R4193180-2 03/31/25 13:51

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.12	8.12	1	0.000		1

Sample Narrative:

OS: 8.12 at 20.8C

DUP: 8.12 at 20.9C

L1840935-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1840935-21 03/31/25 13:51 • (DUP) R4193180-3 03/31/25 13:51

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	5.85	5.87	1	0.341		1

Sample Narrative:

OS: 5.85 at 20.7C

DUP: 5.87 at 21C

Laboratory Control Sample (LCS)

(LCS) R4193180-1 03/31/25 13:51

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

Sample Narrative:

LCS: 10.01 at 19.5C

L1839561-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1839561-04 03/31/25 11:19 • (DUP) R4193030-2 03/31/25 11:19

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.98	7.98	1	0.000		1

Sample Narrative:

OS: 7.98 at 21.6C

DUP: 7.98 at 22C

L1840938-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1840938-01 03/31/25 11:19 • (DUP) R4193030-3 03/31/25 11:19

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.42	7.42	1	0.000		1

Sample Narrative:

OS: 7.42 at 21.1C

DUP: 7.42 at 21.3C

Laboratory Control Sample (LCS)

(LCS) R4193030-1 03/31/25 11:19

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 20.8C

L1839607-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1839607-04 03/31/25 15:36 • (DUP) R4193233-2 03/31/25 15:36

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.24	7.21	1	0.415		1

Sample Narrative:

OS: 7.24 at 21.1C

DUP: 7.21 at 21.1C

L1840935-23 Original Sample (OS) • Duplicate (DUP)

(OS) L1840935-23 03/31/25 15:36 • (DUP) R4193233-3 03/31/25 15:36

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.88	7.88	1	0.000		1

Sample Narrative:

OS: 7.88 at 20.7C

DUP: 7.88 at 20.7C

Laboratory Control Sample (LCS)

(LCS) R4193233-1 03/31/25 15:36

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 20.2C

Method Blank (MB)

(MB) R4193045-1 03/31/25 10:35

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

Sample Narrative:
BLANK: at 25C

L1840931-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1840931-02 03/31/25 10:35 • (DUP) R4193045-3 03/31/25 10:35

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	534	530	1	0.752		20

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

L1840935-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1840935-05 03/31/25 10:35 • (DUP) R4193045-4 03/31/25 10:35

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	346	345	1	0.289		20

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

Laboratory Control Sample (LCS)

(LCS) R4193045-2 03/31/25 10:35

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	1130	1160	103	85.0-115	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4193031-1 03/31/25 10:04

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

Sample Narrative:
BLANK: at 25C

L1839561-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1839561-06 03/31/25 10:04 • (DUP) R4193031-3 03/31/25 10:04

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	2140	2140	1	0.187		20

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

L1840935-19 Original Sample (OS) • Duplicate (DUP)

(OS) L1840935-19 03/31/25 10:04 • (DUP) R4193031-4 03/31/25 10:04

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	169	169	1	0.473		20

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

Laboratory Control Sample (LCS)

(LCS) R4193031-2 03/31/25 10:04

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

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4193036-1 03/31/25 11:51

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

Sample Narrative:
BLANK: at 25C

L1840075-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1840075-20 03/31/25 11:51 • (DUP) R4193036-3 03/31/25 11:51

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	359	358	1	0.279		20

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

L1840935-22 Original Sample (OS) • Duplicate (DUP)

(OS) L1840935-22 03/31/25 11:51 • (DUP) R4193036-4 03/31/25 11:51

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	226	225	1	0.222		20

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

Laboratory Control Sample (LCS)

(LCS) R4193036-2 03/31/25 11:51

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	1130	1150	101	85.0-115	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4193926-1 04/01/25 15:45

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

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

(LCS) R4193926-2 04/01/25 15:47 • (LCSD) R4193926-3 04/01/25 15:49

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Hot Water Sol. Boron	1.00	1.04	1.13	104	113	80.0-120			7.90	20

Method Blank (MB)

(MB) R4193943-1 04/01/25 16:49

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) R4193943-2 04/01/25 16:51 • (LCSD) R4193943-3 04/01/25 16:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Hot Water Sol. Boron	1.00	1.04	1.05	104	105	80.0-120			1.30	20

Method Blank (MB)

(MB) R4192857-1 03/30/25 18:36

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

Laboratory Control Sample (LCS)

(LCS) R4192857-2 03/30/25 18:39

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	100	100	80.0-120	
Barium	100	92.6	92.6	80.0-120	
Cadmium	100	99.8	99.8	80.0-120	
Copper	100	95.7	95.7	80.0-120	
Lead	100	96.1	96.1	80.0-120	
Nickel	100	100	100	80.0-120	
Selenium	100	102	102	80.0-120	
Silver	20.0	19.3	96.7	80.0-120	
Zinc	100	99.2	99.2	80.0-120	

L1840935-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1840935-02 03/30/25 18:42 • (MS) R4192857-5 03/30/25 18:52 • (MSD) R4192857-6 03/30/25 18:55

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	100	2.13	105	106	103	104	5	75.0-125			0.947	20
Barium	100	43.8	145	132	102	88.5	5	75.0-125			9.37	20
Cadmium	100	U	104	103	104	103	5	75.0-125			0.510	20
Copper	100	4.24	103	104	99.0	99.7	5	75.0-125			0.720	20
Lead	100	3.68	105	104	101	100	5	75.0-125			0.630	20
Nickel	100	3.99	108	107	104	103	5	75.0-125			0.368	20
Selenium	100	0.269	107	107	106	106	5	75.0-125			0.110	20
Silver	20.0	U	20.0	20.2	99.8	101	5	75.0-125			0.998	20
Zinc	100	14.7	119	116	104	101	5	75.0-125			2.69	20

Method Blank (MB)

(MB) R4192953-1 03/31/25 00:51

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

Laboratory Control Sample (LCS)

(LCS) R4192953-2 03/31/25 00:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	101	101	80.0-120	
Barium	100	96.7	96.7	80.0-120	
Cadmium	100	103	103	80.0-120	
Copper	100	98.0	98.0	80.0-120	
Lead	100	97.1	97.1	80.0-120	
Nickel	100	104	104	80.0-120	
Selenium	100	99.4	99.4	80.0-120	
Silver	20.0	21.2	106	80.0-120	
Zinc	100	101	101	80.0-120	

L1840900-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1840900-06 03/31/25 00:57 • (MS) R4192953-5 03/31/25 01:07 • (MSD) R4192953-6 03/31/25 01:10

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	100	5.20	95.4	86.6	90.2	81.4	5	75.0-125			9.72	20
Barium	100	144	209	277	64.4	132	5	75.0-125	J6	J3 J5	28.0	20
Cadmium	100	0.130	93.2	84.8	93.0	84.6	5	75.0-125			9.43	20
Copper	100	7.92	96.4	89.6	88.5	81.7	5	75.0-125			7.39	20
Lead	100	4.60	94.7	86.2	90.1	81.6	5	75.0-125			9.43	20
Nickel	100	15.9	108	97.3	91.6	81.4	5	75.0-125			9.98	20
Selenium	100	0.252	92.9	84.5	92.7	84.2	5	75.0-125			9.54	20
Silver	20.0	U	19.2	17.6	96.1	88.1	5	75.0-125			8.75	20
Zinc	100	30.9	119	108	88.2	76.7	5	75.0-125			10.1	20

QUALITY CONTROL SUMMARY

L1840935-21

Method Blank (MB)

(MB) R4193983-1 04/01/25 22:02

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.100	1.00
Barium	U		0.152	2.50
Cadmium	U		0.0855	1.00
Copper	U		0.133	5.00
Lead	U		0.0990	2.00
Nickel	U		0.197	2.50
Selenium	U		0.180	2.50
Silver	U		0.0865	0.500
Zinc	2.38	J	0.740	25.0

Laboratory Control Sample (LCS)

(LCS) R4193983-2 04/01/25 22:05

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	94.0	94.0	80.0-120	
Barium	100	92.4	92.4	80.0-120	
Cadmium	100	97.3	97.3	80.0-120	
Copper	100	95.7	95.7	80.0-120	
Lead	100	92.0	92.0	80.0-120	
Nickel	100	97.8	97.8	80.0-120	
Selenium	100	90.7	90.7	80.0-120	
Silver	20.0	18.9	94.3	80.0-120	
Zinc	100	93.6	93.6	80.0-120	

L1840935-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1840935-21 04/01/25 22:09 • (MS) R4193983-5 04/01/25 22:19 • (MSD) R4193983-6 04/01/25 22:22

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	100	2.80	96.1	99.1	93.3	96.3	5	75.0-125			3.00	20
Barium	100	63.6	163	159	99.2	95.2	5	75.0-125			2.50	20
Cadmium	100	0.0868	97.5	101	97.4	101	5	75.0-125			3.75	20
Copper	100	4.80	96.2	101	91.4	96.7	5	75.0-125			5.36	20
Lead	100	4.54	92.5	97.7	88.0	93.2	5	75.0-125			5.47	20
Nickel	100	4.37	100	104	95.7	100	5	75.0-125			4.19	20
Selenium	100	0.855	93.6	95.5	92.7	94.6	5	75.0-125			1.99	20
Silver	20.0	U	18.7	19.6	93.6	98.0	5	75.0-125			4.64	20
Zinc	100	26.9	113	116	86.5	89.1	5	75.0-125			2.25	20

Method Blank (MB)

(MB) R4195012-1 04/04/25 00:45

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

Laboratory Control Sample (LCS)

(LCS) R4195012-2 04/04/25 00:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	105	105	80.0-120	
Barium	100	99.5	99.5	80.0-120	
Cadmium	100	108	108	80.0-120	
Copper	100	103	103	80.0-120	
Lead	100	103	103	80.0-120	
Nickel	100	106	106	80.0-120	
Selenium	100	105	105	80.0-120	
Silver	20.0	22.1	111	80.0-120	
Zinc	100	104	104	80.0-120	

L1840935-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1840935-11 04/04/25 00:51 • (MS) R4195012-5 04/04/25 01:01 • (MSD) R4195012-6 04/04/25 01:04

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 %
Arsenic	100	0.487	96.2	97.1	95.7	96.6	5	75.0-125			0.923	20
Barium	100	19.6	114	117	94.0	97.4	5	75.0-125			3.00	20
Cadmium	100	U	99.0	100	99.0	100	5	75.0-125			1.07	20
Copper	100	1.33	96.3	94.7	95.0	93.3	5	75.0-125			1.69	20
Lead	100	2.20	98.1	97.6	95.9	95.4	5	75.0-125			0.466	20
Nickel	100	1.09	99.3	100	98.2	99.2	5	75.0-125			0.995	20
Selenium	100	U	90.9	94.3	90.9	94.3	5	75.0-125			3.74	20
Silver	20.0	U	20.3	20.9	102	104	5	75.0-125			2.53	20
Zinc	100	3.29	99.8	101	96.5	97.4	5	75.0-125			0.880	20

Method Blank (MB)

(MB) R4194479-2 03/31/25 12:12

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	0.0426	J	0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*96.1*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4194479-1 03/31/25 10:18

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	4.95	99.0	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*109*	*77.0-120*	

Method Blank (MB)

(MB) R4193489-2 03/31/25 22:04

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*93.8*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4193489-1 03/31/25 19:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	4.51	90.2	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*101*	*77.0-120*	

Method Blank (MB)

(MB) R4194209-3 03/31/25 08:16

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000467	0.00100
Toluene	U		0.00130	0.00500
Ethylbenzene	U		0.000737	0.00250
Xylenes, Total	U		0.000880	0.00650
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
(S) Toluene-d8	*97.1*			*75.0-131*
(S) 4-Bromofluorobenzene	*85.7*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*91.7*			*70.0-130*

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

(LCS) R4194209-1 03/31/25 06:36 • (LCSD) R4194209-2 03/31/25 06:56

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	0.133	98.4	106	70.0-123			7.81	20
Toluene	0.125	0.123	0.131	98.4	105	75.0-121			6.30	20
Ethylbenzene	0.125	0.121	0.128	96.8	102	74.0-126			5.62	20
Xylenes, Total	0.375	0.346	0.371	92.3	98.9	72.0-127			6.97	20
1,2,4-Trimethylbenzene	0.125	0.115	0.124	92.0	99.2	70.0-126			7.53	20
1,3,5-Trimethylbenzene	0.125	0.117	0.123	93.6	98.4	73.0-127			5.00	20
(S) Toluene-d8				*97.4*	*97.2*	*75.0-131*				
(S) 4-Bromofluorobenzene				*97.5*	*97.2*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*95.6*	*97.9*	*70.0-130*				

L1840935-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1840935-20 03/31/25 14:54 • (MS) R4194209-4 03/31/25 15:14 • (MSD) R4194209-5 03/31/25 15:34

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	U	0.148	0.170	118	136	1	10.0-149			13.8	37
Toluene	0.125	U	0.144	0.165	115	132	1	10.0-156			13.6	38
Ethylbenzene	0.125	U	0.141	0.153	113	122	1	10.0-160			8.16	38
Xylenes, Total	0.375	U	0.368	0.464	98.1	124	1	10.0-160			23.1	38
1,2,4-Trimethylbenzene	0.125	0.00165	0.168	0.157	133	124	1	10.0-160			6.77	36
1,3,5-Trimethylbenzene	0.125	U	0.170	0.158	136	126	1	10.0-160			7.32	38
(S) Toluene-d8					*93.9*	*95.8*		*75.0-131*				
(S) 4-Bromofluorobenzene					*99.2*	*95.5*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*95.4*	*94.4*		*70.0-130*				

Method Blank (MB)

(MB) R4193515-3 03/31/25 17:56

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000467	0.00100
Toluene	U		0.00130	0.00500
Ethylbenzene	U		0.000737	0.00250
Xylenes, Total	U		0.000880	0.00650
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
(S) Toluene-d8	*96.3*			*75.0-131*
(S) 4-Bromofluorobenzene	*97.7*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*93.7*			*70.0-130*

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

(LCS) R4193515-1 03/31/25 16:14 • (LCSD) R4193515-2 03/31/25 16:34

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	0.131	0.131	105	105	70.0-123			0.000	20
Toluene	0.125	0.131	0.131	105	105	75.0-121			0.000	20
Ethylbenzene	0.125	0.123	0.128	98.4	102	74.0-126			3.98	20
Xylenes, Total	0.375	0.360	0.364	96.0	97.1	72.0-127			1.10	20
1,2,4-Trimethylbenzene	0.125	0.123	0.122	98.4	97.6	70.0-126			0.816	20
1,3,5-Trimethylbenzene	0.125	0.123	0.124	98.4	99.2	73.0-127			0.810	20
(S) Toluene-d8				*97.8*	*96.5*	*75.0-131*				
(S) 4-Bromofluorobenzene				*96.4*	*97.6*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*98.0*	*102*	*70.0-130*				

L1840938-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1840938-01 03/31/25 22:13 • (MS) R4193515-4 04/01/25 03:51 • (MSD) R4193515-5 04/01/25 04:11

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	U	0.136	0.141	109	113	1	10.0-149			3.61	37
Toluene	0.125	0.00222	0.137	0.140	108	110	1	10.0-156			2.17	38
Ethylbenzene	0.125	U	0.132	0.136	106	109	1	10.0-160			2.99	38
Xylenes, Total	0.375	U	0.396	0.364	106	97.1	1	10.0-160			8.42	38
1,2,4-Trimethylbenzene	0.125	U	0.136	0.140	109	112	1	10.0-160			2.90	36
1,3,5-Trimethylbenzene	0.125	U	0.151	0.144	121	115	1	10.0-160			4.75	38
(S) Toluene-d8					*95.7*	*98.7*		*75.0-131*				
(S) 4-Bromofluorobenzene					*97.8*	*102*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*89.7*	*92.3*		*70.0-130*				

Method Blank (MB)

(MB) R4194093-1 04/01/25 21:43

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	*84.7*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4194093-2 04/01/25 21:57

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	27.7	55.4	50.0-150	
(S) o-Terphenyl			*124*	*18.0-148*	

L1841063-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1841063-12 04/02/25 02:29 • (MS) R4194093-3 04/02/25 02:44 • (MSD) R4194093-4 04/02/25 02:58

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 %
C10-C28 Diesel Range	49.2	17.5	34.3	33.5	34.1	32.4	10	50.0-150	J6	J6	2.36	20
(S) o-Terphenyl					*86.4*	*78.7*		*18.0-148*				

Sample Narrative:

OS: Dilution due to matrix.

Method Blank (MB)

(MB) R4194070-1 04/01/25 21:43

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	*99.1*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4194070-2 04/01/25 21:57

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	27.6	55.2	50.0-150	
(S) o-Terphenyl			*124*	*18.0-148*	

L1840935-23 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1840935-23 04/02/25 11:59 • (MS) R4194364-1 04/02/25 13:12 • (MSD) R4194364-2 04/02/25 13:26

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	5.56	32.8	29.2	55.7	48.6	1	50.0-150		J6	11.6	20
(S) o-Terphenyl					*116*	*117*		*18.0-148*				

Method Blank (MB)

(MB) R4194071-2 04/01/25 20:50

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00209	0.00600
Anthracene	U		0.00230	0.00600
Benzo(a)anthracene	U		0.00173	0.00600
Benzo(b)fluoranthene	U		0.00153	0.00600
Benzo(k)fluoranthene	U		0.00215	0.00600
Benzo(a)pyrene	U		0.00179	0.00600
Chrysene	U		0.00232	0.00600
Dibenz(a,h)anthracene	U		0.00172	0.00600
Fluoranthene	U		0.00227	0.00600
Fluorene	U		0.00205	0.00600
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600
1-Methylnaphthalene	U		0.00449	0.0200
2-Methylnaphthalene	U		0.00427	0.0200
Naphthalene	U		0.00408	0.0200
Pyrene	U		0.00200	0.00600
(S) p-Terphenyl-d14	*101*			*23.0-120*
(S) Nitrobenzene-d5	*90.3*			*14.0-149*
(S) 2-Fluorobiphenyl	*94.0*			*34.0-125*

Laboratory Control Sample (LCS)

(LCS) R4194071-1 04/01/25 20:32

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.0800	0.0691	86.4	50.0-120	
Anthracene	0.0800	0.0709	88.6	50.0-126	
Benzo(a)anthracene	0.0800	0.0767	95.9	45.0-120	
Benzo(b)fluoranthene	0.0800	0.0828	104	42.0-121	
Benzo(k)fluoranthene	0.0800	0.0817	102	49.0-125	
Benzo(a)pyrene	0.0800	0.0787	98.4	42.0-120	
Chrysene	0.0800	0.0768	96.0	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0890	111	47.0-125	
Fluoranthene	0.0800	0.0804	101	49.0-129	
Fluorene	0.0800	0.0777	97.1	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0863	108	46.0-125	
1-Methylnaphthalene	0.0800	0.0846	106	51.0-121	
2-Methylnaphthalene	0.0800	0.0807	101	50.0-120	
Naphthalene	0.0800	0.0784	98.0	50.0-120	
Pyrene	0.0800	0.0716	89.5	43.0-123	

Laboratory Control Sample (LCS)

(LCS) R4194071-1 04/01/25 20:32

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) p-Terphenyl-d14			*97.4*	*23.0-120*	
(S) Nitrobenzene-d5			*89.3*	*14.0-149*	
(S) 2-Fluorobiphenyl			*91.8*	*34.0-125*	

L1840932-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1840932-04 04/02/25 06:42 • (MS) R4194071-3 04/02/25 07:00 • (MSD) R4194071-4 04/02/25 07:17

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.0800	U	0.0667	0.0597	83.4	74.6	1	14.0-127			11.1	27
Anthracene	0.0800	U	0.0684	0.0632	85.5	79.0	1	10.0-145			7.90	30
Benzo(a)anthracene	0.0800	U	0.0712	0.0642	89.0	80.3	1	10.0-139			10.3	30
Benzo(b)fluoranthene	0.0800	U	0.0782	0.0684	97.8	85.5	1	10.0-140			13.4	36
Benzo(k)fluoranthene	0.0800	U	0.0763	0.0675	95.4	84.4	1	10.0-137			12.2	31
Benzo(a)pyrene	0.0800	U	0.0752	0.0661	94.0	82.6	1	10.0-141			12.9	31
Chrysene	0.0800	U	0.0723	0.0653	90.4	81.6	1	10.0-145			10.2	30
Dibenz(a,h)anthracene	0.0800	U	0.0837	0.0741	105	92.6	1	10.0-132			12.2	31
Fluoranthene	0.0800	U	0.0784	0.0707	98.0	88.4	1	10.0-153			10.3	33
Fluorene	0.0800	U	0.0762	0.0669	95.3	83.6	1	11.0-130			13.0	29
Indeno(1,2,3-cd)pyrene	0.0800	U	0.0808	0.0716	101	89.5	1	10.0-137			12.1	32
1-Methylnaphthalene	0.0800	U	0.0826	0.0753	103	94.1	1	10.0-142			9.25	28
2-Methylnaphthalene	0.0800	U	0.0790	0.0714	98.8	89.3	1	10.0-137			10.1	28
Naphthalene	0.0800	U	0.0767	0.0700	95.9	87.5	1	10.0-135			9.13	27
Pyrene	0.0800	U	0.0679	0.0613	84.9	76.6	1	10.0-148			10.2	35
(S) p-Terphenyl-d14					*92.6*	*82.7*		*23.0-120*				
(S) Nitrobenzene-d5					*87.2*	*79.5*		*14.0-149*				
(S) 2-Fluorobiphenyl					*88.2*	*79.7*		*34.0-125*				

Method Blank (MB)

(MB) R4194893-2 04/01/25 20:28

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00209	0.00600
Anthracene	U		0.00230	0.00600
Benzo(a)anthracene	U		0.00173	0.00600
Benzo(b)fluoranthene	U		0.00153	0.00600
Benzo(k)fluoranthene	U		0.00215	0.00600
Benzo(a)pyrene	U		0.00179	0.00600
Chrysene	U		0.00232	0.00600
Dibenz(a,h)anthracene	U		0.00172	0.00600
Fluoranthene	U		0.00227	0.00600
Fluorene	U		0.00205	0.00600
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600
1-Methylnaphthalene	U		0.00449	0.0200
2-Methylnaphthalene	U		0.00427	0.0200
Naphthalene	U		0.00408	0.0200
Pyrene	U		0.00200	0.00600
(S) p-Terphenyl-d14	*84.5*			*23.0-120*
(S) Nitrobenzene-d5	*85.1*			*14.0-149*
(S) 2-Fluorobiphenyl	*86.8*			*34.0-125*

Laboratory Control Sample (LCS)

(LCS) R4194893-1 04/01/25 20:08

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.0800	0.0685	85.6	50.0-120	
Anthracene	0.0800	0.0702	87.8	50.0-126	
Benzo(a)anthracene	0.0800	0.0712	89.0	45.0-120	
Benzo(b)fluoranthene	0.0800	0.0739	92.4	42.0-121	
Benzo(k)fluoranthene	0.0800	0.0700	87.5	49.0-125	
Benzo(a)pyrene	0.0800	0.0676	84.5	42.0-120	
Chrysene	0.0800	0.0741	92.6	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0728	91.0	47.0-125	
Fluoranthene	0.0800	0.0733	91.6	49.0-129	
Fluorene	0.0800	0.0737	92.1	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0685	85.6	46.0-125	
1-Methylnaphthalene	0.0800	0.0773	96.6	51.0-121	
2-Methylnaphthalene	0.0800	0.0744	93.0	50.0-120	
Naphthalene	0.0800	0.0742	92.8	50.0-120	
Pyrene	0.0800	0.0723	90.4	43.0-123	

Laboratory Control Sample (LCS)

(LCS) R4194893-1 04/01/25 20:08

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) p-Terphenyl-d14			*84.2*	*23.0-120*	
(S) Nitrobenzene-d5			*88.8*	*14.0-149*	
(S) 2-Fluorobiphenyl			*88.1*	*34.0-125*	

L1841063-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1841063-13 04/02/25 02:58 • (MS) R4194893-3 04/02/25 03:18 • (MSD) R4194893-4 04/02/25 03:37

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.0780	U	0.0509	0.0435	65.3	55.5	1	14.0-127			15.7	27
Anthracene	0.0780	U	0.0538	0.0470	69.0	59.9	1	10.0-145			13.5	30
Benzo(a)anthracene	0.0780	U	0.0562	0.0490	72.1	62.5	1	10.0-139			13.7	30
Benzo(b)fluoranthene	0.0780	U	0.0458	0.0407	58.7	51.9	1	10.0-140			11.8	36
Benzo(k)fluoranthene	0.0780	U	0.0443	0.0394	56.8	50.3	1	10.0-137			11.7	31
Benzo(a)pyrene	0.0780	U	0.0492	0.0439	63.1	56.0	1	10.0-141			11.4	31
Chrysene	0.0780	U	0.0528	0.0457	67.7	58.3	1	10.0-145			14.4	30
Dibenz(a,h)anthracene	0.0780	U	0.0500	0.0443	64.1	56.5	1	10.0-132			12.1	31
Fluoranthene	0.0780	U	0.0563	0.0499	72.2	63.6	1	10.0-153			12.1	33
Fluorene	0.0780	U	0.0573	0.0486	73.5	62.0	1	11.0-130			16.4	29
Indeno(1,2,3-cd)pyrene	0.0780	0.00618	0.0540	0.0504	61.3	56.4	1	10.0-137			6.90	32
1-Methylnaphthalene	0.0780	0.00509	0.0626	0.0529	73.7	61.0	1	10.0-142			16.8	28
2-Methylnaphthalene	0.0780	0.0101	0.0658	0.0561	71.4	58.7	1	10.0-137			15.9	28
Naphthalene	0.0780	U	0.0579	0.0490	74.2	62.5	1	10.0-135			16.7	27
Pyrene	0.0780	U	0.0499	0.0434	64.0	55.4	1	10.0-148			13.9	35
(S) p-Terphenyl-d14					*57.9*	*49.7*		*23.0-120*				
(S) Nitrobenzene-d5					*72.9*	*63.6*		*14.0-149*				
(S) 2-Fluorobiphenyl					*63.5*	*54.1*		*34.0-125*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
T8	Sample(s) received past/too close to holding time expiration.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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: CDH Consulting, 9446 Clermont Street

Billing Information: Chevron – Jason davidson

Report to: David Steinback

Email To: CVXPM@cdhconsult.com cc: RBUEUF27@chevron.com

Project Description: Guttersen D 22-28 TB

City/State Collected: CO

Please Circle: PT MT CT ET

Phone: (970)403-4108

Client Project #

Lab Project #

Collected by (print): Elizabeth Naka

Site/Facility ID #: Guttersen D 22-28 TB

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

Quote #

Date Results Needed: Standard TAT

Analysis / Container / Preservative

Pres Chk

Full TabL 915-1

No. of Cntrs

Chain of Custody Page 1 of 3

Pace® PEOPLE ADVANCING SCIENCE

12065 Lebanon Rd Mount Juliet, TN 37122
Phone: 615-758-5858 Alt: 800-767-5859

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 # L1240735

C213

Acctnum:

Template:

Prelogin:

PM:

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	Full TabL 915-1	Remarks	Sample # (lab only)
PWV01@4'	Grab	SS	4'	3/27/25	0935	3	X		-01
PWV02@4			4'		0940				-02
PWV01-DL@4'			4'		0945				-03
PWV02-DL@4			4'		0950				-04
PWV03@4'			4'		1005				-05
PWV03-DL@4'			4'		1010				-06
PWV04@4'			4'		1015				-07
~~PWV04@4~~ PWV04-DL@4'			4'		1020				-08
Sep01-DL@3'			3'		1055				-09
Sep02-DL@3'			3'		1100				-10

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	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

Relinquished by: (Signature)	Date: 3/27/25	Time: 15:00	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
Relinquished by: (Signature)	Date: 3/27/25	Time: 15:15	Received by: (Signature)	Temp: °C	Bottles Received: 64
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 03/28/2025	Time: 0900

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

Company Name/Address: COH Consulting 9446 Clermont steet

Billing Information: Chevron - Jasondavdson

Report to: David Staunback

Email To: CUXPMGCOHconsult@RBUEUF27echevron.com

Project Description: Gottersen D22-28TB

City/State Collected: CO

Please Circle: PT MT CT ET

Phone: 970 403-4108

Client Project #

Lab Project #

Collected by (print): Elizabeth Naka

Site/Facility ID #: Gottersen D22-28TB

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

Quote #

Date Results Needed: Standard TAT

Chain of Custody Page 2 of 3

Pace® PEOPLE ADVANCING SCIENCE

12065 Lebanon Rd Mount Juliet, TN 37122

Phone: 615-758-5858 Alt: 800-767-5859

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 # Ugu0925

Table #

Acctnum:

Template:

Prelogin:

PM:

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	Full Table 915-1	Table 915 Metals	Boron	SAR	EC	pH	Remarks	Sample # (lab only)
Sep03-DL@3'	Grab	SS	3'	3/27/25	1105	3	X							-1
BKG01@0.5			0.5		1225	3		X	X	X	X	X		-2
BKG01@3.5			3.5		1230	2		X	X	X	X	X		-3
BKG02@0.5			0.5		1235	2		X	X	X	X	X		-4
BKG02@3.5			3.5		1240	2		X	X	X	X	X		-5
BKG03@0.5			0.5		1242	2		X	X	X	X	X		-6
BKG03@3.5			3.5		1245	2		X	X	X	X	X		-7
AST01@0.5			0.5		1255	3	X							-8
AST02@0.5			0.5		1300	3	X							-9
AST03@0.5			0.5		1305	3	X							-10

AB 03/28/2025

* 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 X	Y N
COC Signed/Accurate:		X 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:		X Y N
RAD Screen <0.5 mR/hr:		X Y N

Relinquished by: (Signature)	Date: 3/27/25	Time: 1500	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by: (Signature)	Date: 3/27/25	Time: 1545	Received by: (Signature) SWA	Temp: °C Bottles Received: 64
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 03/28/2025 Time: 0900

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

Company Name/Address: CDH Consulting 944C Clermont St

Billing Information: Chevron - Jason Davidson

Report to: David Steinback

Email To: CVXPM@cdhconsult.com cc: RBUEUF27@chevron.com

Project Description: Guttersen D 22-28 TB

City/State Collected: CO

Please Circle: PT (MT) CT ET

Phone: (970) 403-4108

Client Project #

Lab Project #

Collected by (print): Elizabeth Naka

Site/Facility ID #: Guttersen D 22-28TB

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified) ___ Same Day ___ Next Day ___ Two Day ___ Three Day ___ Five Day ___ 5 Day (Rad Only) ___ 10 Day (Rad Only)

Quote #

Date Results Needed: Standard TAT

Analysis / Container / Preservative

Chain of Custody Page 3 of 3

Pace PEOPLE ADVANCING SCIENCE

12065 Lebanon Rd Mount Juliet, TN 37122

Phone: 615-758-5858 Alt: 800-767-5859

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 # U540735

Table #

Acctnum:

Template:

Prelogin:

PM:

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	Full Table 995-1	Remarks	Sample # (lab only)
AST04@0.5'	Grab	SS	0.5	3/27/25	1308	3	X		-21
AST05@0.5'	↓	↓	↓	↓	1315		X		-22
AST06@0.5'	↓	↓	↓	↓	1318	↓	X		-24

* 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

	Date:	Time:		
Relinquished by : (Signature)	3/27/25	1500	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)	3/27/25	1515	Received by: (Signature) SwA	Temp: °C Bottles Received: 64
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 03/28/2025 Time: 0800

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

Multiple Parcel Form

L# L1840925

Parcel Tracking Number	Infrared Thermometer ID	Temperature Reading (°C)	Correction Factor (°C)	Corrected Temperature (°C)	Custody Seal Intact
SWA	TLA9	0.7	0.4	1.1	(Yes) / No / Not Present
SWA	TLA9	1.1	0.4	1.5	(Yes) / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present

Ashley Barker
Name

03/28/2025
Date