

March 10, 2025

Revised Report

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Eastern Research Group Inc- Concord, MA

Sample Delivery Group: L1822303
Samples Received: 02/01/2025
Project Number: 0425.00.016.090
Description: 1021 & 1037 BASELINE
Site: 1021 BASELINE ST.
Report To: Sedrek Kovar
561 Virginia Road Bldg. 4
Suite 300
Concord, MA 01742

Entire Report Reviewed By:



Kelly Mercer
Project Manager

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

Pace Analytical National

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

ACCOUNT:

Eastern Research Group Inc- Concord, MA

PROJECT:

0425.00.016.090

SDG:

L1822303

DATE/TIME:

03/10/25 14:04

PAGE:

1 of 72

TABLE OF CONTENTS

Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	8
Sr: Sample Results	9
BLS-BH1-SG-3 L1822303-01	9
BLS-BH2-SG-3 L1822303-02	10
BLS-BH3-SG-3 L1822303-03	12
BLS-BH3-SG-DUP L1822303-04	13
BLS-BH4-SG-10 L1822303-05	14
BLS-BH5-SG-3 L1822303-06	15
BLS-BH6-SG-3 L1822303-07	16
BLS-BH7-SG-12 L1822303-08	17
BLS-BH8-SG-10 L1822303-09	19
BLS-BH9-SG-10 L1822303-10	21
BLS-BH10-SG-13 L1822303-11	22
BLS-BH11-SG-10 L1822303-12	24
BLS-BH12-SG-10 L1822303-13	26
BLS-BH13-SG-13 L1822303-14	28
BLS-BH14-SG-12 L1822303-15	30
BLS-BH15-SG-3 L1822303-16	32
BLS-BH16-SG-14 L1822303-17	33
BLS-MW-5-SG-12 L1822303-18	35
BLS-MW-6-SG-11 L1822303-19	37
TRIP BLANK L1822303-20	39
TRIP BLANK L1822303-21	40
TRIP BLANK L1822303-22	41
TRIP BLANK L1822303-23	42
Qc: Quality Control Summary	43
Total Solids by Method 2540 G-2011	43
Volatile Organic Compounds (GC) by Method NWTPHGX	45
Volatile Organic Compounds (GC/MS) by Method 8260D	54
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	59
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	61
Gl: Glossary of Terms	67
Al: Accreditations & Locations	68
Sc: Sample Chain of Custody	69

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

SAMPLE SUMMARY

BLS-BH1-SG-3 L1822303-01 Solid

Collected by BB/SK Collected date/time 01/27/25 11:20 Received date/time 02/01/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2444735	1	02/03/25 15:02	02/03/25 15:08	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2445719	25	01/27/25 11:20	02/04/25 18:24	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2445859	1	01/27/25 11:20	02/05/25 12:50	JTO	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2447174	1	02/06/25 15:49	02/07/25 01:03	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2445249	1	02/04/25 08:11	02/05/25 04:42	MBE	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

BLS-BH2-SG-3 L1822303-02 Solid

Collected by BB/SK Collected date/time 01/27/25 11:30 Received date/time 02/01/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2444735	1	02/03/25 15:02	02/03/25 15:08	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2445719	25	01/27/25 11:30	02/04/25 18:44	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2445859	1	01/27/25 11:30	02/05/25 13:09	JTO	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2447174	1	02/06/25 15:49	02/07/25 01:52	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2445249	1	02/04/25 08:11	02/05/25 07:39	MBE	Mt. Juliet, TN

5 Sr

6 Qc

7 Gl

8 Al

BLS-BH3-SG-3 L1822303-03 Solid

Collected by BB/SK Collected date/time 01/27/25 11:35 Received date/time 02/01/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2444735	1	02/03/25 15:02	02/03/25 15:08	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2445719	27.5	01/27/25 11:35	02/04/25 19:04	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2445859	1.1	01/27/25 11:35	02/05/25 13:29	JTO	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2447174	1	02/06/25 15:49	02/07/25 03:16	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2445249	1	02/04/25 08:11	02/05/25 05:00	MBE	Mt. Juliet, TN

9 Sc

BLS-BH3-SG-DUP L1822303-04 Solid

Collected by BB/SK Collected date/time 01/27/25 11:38 Received date/time 02/01/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2444735	1	02/03/25 15:02	02/03/25 15:08	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2445719	25	01/27/25 11:38	02/04/25 19:23	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2445859	1	01/27/25 11:38	02/05/25 13:49	JTO	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2447174	1	02/06/25 15:49	02/07/25 03:33	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2445249	1	02/04/25 08:11	02/05/25 05:53	MBE	Mt. Juliet, TN

BLS-BH4-SG-10 L1822303-05 Solid

Collected by BB/SK Collected date/time 01/27/25 11:10 Received date/time 02/01/25 08:00

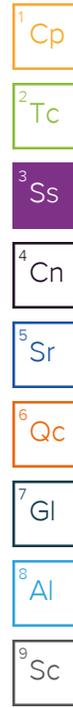
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2444735	1	02/03/25 15:02	02/03/25 15:08	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2445719	25	01/27/25 11:10	02/04/25 19:42	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2445859	1	01/27/25 11:10	02/05/25 14:09	JTO	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2447174	1	02/06/25 15:49	02/07/25 01:18	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2445249	1	02/04/25 08:11	02/05/25 05:18	MBE	Mt. Juliet, TN

SAMPLE SUMMARY

BLS-BH5-SG-3 L1822303-06 Solid

Collected by BB/SK Collected date/time 01/27/25 14:30 Received date/time 02/01/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2444735	1	02/03/25 15:02	02/03/25 15:08	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2445719	25	01/27/25 14:30	02/04/25 20:07	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2445859	1	01/27/25 14:30	02/05/25 14:29	JTO	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2447174	1	02/06/25 15:49	02/07/25 01:35	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2445249	1	02/04/25 08:11	02/05/25 05:35	MBE	Mt. Juliet, TN



BLS-BH6-SG-3 L1822303-07 Solid

Collected by BB/SK Collected date/time 01/27/25 15:05 Received date/time 02/01/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2444735	1	02/03/25 15:02	02/03/25 15:08	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2445719	25	01/27/25 15:05	02/04/25 20:26	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2445859	1	01/27/25 15:05	02/05/25 14:49	JTO	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2447174	1	02/06/25 15:49	02/07/25 01:35	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2449027	1	02/10/25 16:45	02/10/25 22:03	TKW	Mt. Juliet, TN

BLS-BH7-SG-12 L1822303-08 Solid

Collected by BB/SK Collected date/time 01/27/25 15:30 Received date/time 02/01/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2444735	1	02/03/25 15:02	02/03/25 15:08	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2445719	25	01/27/25 15:30	02/04/25 20:45	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2445859	1	01/27/25 15:30	02/05/25 15:09	JTO	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2447174	1	02/06/25 15:49	02/07/25 02:09	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2445249	1	02/04/25 08:11	02/05/25 22:08	VDR	Mt. Juliet, TN

BLS-BH8-SG-10 L1822303-09 Solid

Collected by BB/SK Collected date/time 01/28/25 13:45 Received date/time 02/01/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2444735	1	02/03/25 15:02	02/03/25 15:08	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2446309	500	01/28/25 13:45	02/05/25 18:32	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2445859	40	01/28/25 13:45	02/05/25 18:27	JTO	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2447174	1	02/06/25 15:49	02/07/25 02:59	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2446603	1	02/06/25 07:22	02/06/25 16:16	VDR	Mt. Juliet, TN

BLS-BH9-SG-10 L1822303-10 Solid

Collected by BB/SK Collected date/time 01/28/25 13:00 Received date/time 02/01/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2444736	1	02/03/25 14:53	02/03/25 15:01	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2446251	25	01/28/25 13:00	02/05/25 12:49	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2445859	1	01/28/25 13:00	02/05/25 15:29	JTO	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2447174	1	02/06/25 15:49	02/07/25 02:43	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2446603	1	02/06/25 07:22	02/06/25 16:34	VDR	Mt. Juliet, TN

SAMPLE SUMMARY

BLS-BH10-SG-13 L1822303-11 Solid

Collected by BB/SK Collected date/time 01/28/25 13:15 Received date/time 02/01/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2444736	1	02/03/25 14:53	02/03/25 15:01	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2446251	100	01/28/25 13:15	02/05/25 13:12	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2445859	1	01/28/25 13:15	02/05/25 15:49	JTO	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2447174	1	02/06/25 15:49	02/07/25 01:52	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2446603	1	02/06/25 07:22	02/06/25 16:52	VDR	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

BLS-BH11-SG-10 L1822303-12 Solid

Collected by BB/SK Collected date/time 01/28/25 14:00 Received date/time 02/01/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2444736	1	02/03/25 14:53	02/03/25 15:01	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2446251	250	01/28/25 14:00	02/05/25 13:35	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2445859	1	01/28/25 14:00	02/05/25 16:08	JTO	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2447174	1	02/06/25 15:49	02/07/25 14:11	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2446603	1	02/06/25 07:22	02/06/25 17:10	VDR	Mt. Juliet, TN

5 Sr

6 Qc

7 Gl

8 Al

BLS-BH12-SG-10 L1822303-13 Solid

Collected by BB/SK Collected date/time 01/28/25 14:15 Received date/time 02/01/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2444736	1	02/03/25 14:53	02/03/25 15:01	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2447667	250	01/28/25 14:15	02/08/25 18:07	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2448993	8	01/28/25 14:15	02/10/25 14:25	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2447174	1	02/06/25 15:49	02/07/25 02:09	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2446603	1	02/06/25 07:22	02/06/25 17:27	VDR	Mt. Juliet, TN

9 Sc

BLS-BH13-SG-13 L1822303-14 Solid

Collected by BB/SK Collected date/time 01/28/25 14:30 Received date/time 02/01/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2444736	1	02/03/25 14:53	02/03/25 15:01	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2446309	250	01/28/25 14:30	02/05/25 18:54	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2445859	20	01/28/25 14:30	02/05/25 18:47	JTO	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2449279	400	01/28/25 14:30	02/11/25 12:17	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2447174	1	02/06/25 15:49	02/07/25 13:00	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2446603	1	02/06/25 07:22	02/06/25 17:45	VDR	Mt. Juliet, TN

BLS-BH14-SG-12 L1822303-15 Solid

Collected by BB/SK Collected date/time 01/28/25 13:30 Received date/time 02/01/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2444736	1	02/03/25 14:53	02/03/25 15:01	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2448983	250	01/28/25 13:30	02/10/25 13:55	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2448993	8	01/28/25 13:30	02/10/25 15:03	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2447174	1	02/06/25 15:49	02/07/25 02:26	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2446603	1	02/06/25 07:22	02/06/25 18:03	VDR	Mt. Juliet, TN

SAMPLE SUMMARY

BLS-BH15-SG-3 L1822303-16 Solid

Collected by BB/SK Collected date/time 01/28/25 12:45 Received date/time 02/01/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2444736	1	02/03/25 14:53	02/03/25 15:01	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2448708	25	01/28/25 12:45	02/09/25 18:56	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2448993	1	01/28/25 12:45	02/10/25 15:22	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2447550	1	02/07/25 08:31	02/07/25 15:43	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2446603	1	02/06/25 07:22	02/06/25 18:21	VDR	Mt. Juliet, TN



BLS-BH16-SG-14 L1822303-17 Solid

Collected by BB/SK Collected date/time 01/29/25 10:20 Received date/time 02/01/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2444736	1	02/03/25 14:53	02/03/25 15:01	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2446309	25	01/29/25 10:20	02/05/25 17:02	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2445859	1	01/29/25 10:20	02/05/25 17:28	JTO	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2448993	1	01/29/25 10:20	02/10/25 15:41	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2447550	1	02/07/25 08:31	02/07/25 15:56	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2446603	1	02/06/25 07:22	02/06/25 18:38	VDR	Mt. Juliet, TN

BLS-MW-5-SG-12 L1822303-18 Solid

Collected by BB/SK Collected date/time 01/29/25 09:40 Received date/time 02/01/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2444736	1	02/03/25 14:53	02/03/25 15:01	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2446471	25	01/29/25 09:40	02/05/25 15:23	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2445859	1	01/29/25 09:40	02/05/25 17:48	JTO	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2447550	1	02/07/25 08:31	02/07/25 16:09	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2446603	1	02/06/25 07:22	02/06/25 18:56	VDR	Mt. Juliet, TN

BLS-MW-6-SG-11 L1822303-19 Solid

Collected by BB/SK Collected date/time 01/29/25 13:05 Received date/time 02/01/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2444736	1	02/03/25 14:53	02/03/25 15:01	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2447220	500	01/29/25 13:05	02/06/25 17:32	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2448993	10	01/29/25 13:05	02/10/25 15:59	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2449279	40	01/29/25 13:05	02/11/25 12:36	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2447550	1	02/07/25 08:31	02/07/25 16:22	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2446603	1	02/06/25 07:22	02/06/25 19:14	VDR	Mt. Juliet, TN

TRIP BLANK L1822303-20 GW

Collected by BB/SK Collected date/time 01/29/25 00:00 Received date/time 02/01/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2444658	1	02/03/25 01:32	02/03/25 01:32	CDD	Mt. Juliet, TN

TRIP BLANK L1822303-21 GW

Collected by BB/SK Collected date/time 01/29/25 00:00 Received date/time 02/01/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2444682	1	02/03/25 00:40	02/03/25 00:40	JBE	Mt. Juliet, TN

SAMPLE SUMMARY

TRIP BLANK L1822303-22 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2444658	1	02/03/25 01:54	02/03/25 01:54	CDD	Mt. Juliet, TN

Collected by BB/SK Collected date/time 01/29/25 00:00 Received date/time 02/01/25 08:00

¹ Cp

² Tc

³ Ss

TRIP BLANK L1822303-23 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2444682	1	02/03/25 01:00	02/03/25 01:00	JBE	Mt. Juliet, TN

Collected by BB/SK Collected date/time 01/29/25 00:00 Received date/time 02/01/25 08:00

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

CASE NARRATIVE

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



Kelly Mercer
Project Manager

Report Revision History

Level II Report - Version 1: 02/11/25 15:48
Level II Report - Version 2: 03/03/25 10:13

Project Narrative

Re-Issuing for requested list -SC

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	87.4		1	02/03/2025 15:08	WG2444735

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Gasoline Range Organics-NWTPH	U		0.848	2.50	25	02/04/2025 18:24	WG2445719
(S) a,a,a-Trifluorotoluene(FID)	98.2			77.0-120		02/04/2025 18:24	WG2445719

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Benzene	U		0.000467	0.00100	1	02/05/2025 12:50	WG2445859
1,2-Dibromoethane	U		0.000648	0.00250	1	02/05/2025 12:50	WG2445859
1,2-Dichloroethane	U		0.000649	0.00250	1	02/05/2025 12:50	WG2445859
Ethylbenzene	U		0.000737	0.00250	1	02/05/2025 12:50	WG2445859
Isopropylbenzene	U		0.000425	0.00250	1	02/05/2025 12:50	WG2445859
Methyl tert-butyl ether	U		0.000350	0.00100	1	02/05/2025 12:50	WG2445859
Naphthalene	U	C3 J4	0.00488	0.0125	1	02/05/2025 12:50	WG2445859
n-Propylbenzene	U		0.000950	0.00500	1	02/05/2025 12:50	WG2445859
Toluene	0.00160	J	0.00130	0.00500	1	02/05/2025 12:50	WG2445859
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	02/05/2025 12:50	WG2445859
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	02/05/2025 12:50	WG2445859
Xylenes, Total	0.00363	J	0.000880	0.00650	1	02/05/2025 12:50	WG2445859
(S) Toluene-d8	99.8			75.0-131		02/05/2025 12:50	WG2445859
(S) 4-Bromofluorobenzene	100			67.0-138		02/05/2025 12:50	WG2445859
(S) 1,2-Dichloroethane-d4	100			70.0-130		02/05/2025 12:50	WG2445859

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Diesel Range Organics (DRO)	U		1.33	4.00	1	02/07/2025 01:03	WG2447174
(S) o-Terphenyl	70.8			18.0-148		02/07/2025 01:03	WG2447174

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Anthracene	U		0.00230	0.00600	1	02/05/2025 04:42	WG2445249
Acenaphthene	U		0.00209	0.00600	1	02/05/2025 04:42	WG2445249
Benzo(a)anthracene	U		0.00173	0.00600	1	02/05/2025 04:42	WG2445249
Benzo(a)pyrene	U		0.00179	0.00600	1	02/05/2025 04:42	WG2445249
Benzo(b)fluoranthene	U		0.00153	0.00600	1	02/05/2025 04:42	WG2445249
Benzo(k)fluoranthene	U		0.00215	0.00600	1	02/05/2025 04:42	WG2445249
Chrysene	U		0.00232	0.00600	1	02/05/2025 04:42	WG2445249
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	02/05/2025 04:42	WG2445249
Fluoranthene	U		0.00227	0.00600	1	02/05/2025 04:42	WG2445249
Fluorene	U		0.00205	0.00600	1	02/05/2025 04:42	WG2445249
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	02/05/2025 04:42	WG2445249
Naphthalene	U		0.00408	0.0200	1	02/05/2025 04:42	WG2445249
Pyrene	U		0.00200	0.00600	1	02/05/2025 04:42	WG2445249
(S) p-Terphenyl-d14	86.7			23.0-120		02/05/2025 04:42	WG2445249
(S) Nitrobenzene-d5	79.1			14.0-149		02/05/2025 04:42	WG2445249
(S) 2-Fluorobiphenyl	82.5			34.0-125		02/05/2025 04:42	WG2445249



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.0		1	02/03/2025 15:08	WG2444735

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		0.848	2.50	25	02/04/2025 18:44	WG2445719
(S) a,a,a-Trifluorotoluene(FID)	98.7			77.0-120		02/04/2025 18:44	WG2445719

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000467	0.00100	1	02/05/2025 13:09	WG2445859
1,2-Dibromoethane	U		0.000648	0.00250	1	02/05/2025 13:09	WG2445859
1,2-Dichloroethane	U		0.000649	0.00250	1	02/05/2025 13:09	WG2445859
Ethylbenzene	U		0.000737	0.00250	1	02/05/2025 13:09	WG2445859
Isopropylbenzene	U		0.000425	0.00250	1	02/05/2025 13:09	WG2445859
Methyl tert-butyl ether	U		0.000350	0.00100	1	02/05/2025 13:09	WG2445859
Naphthalene	U	C3 J4	0.00488	0.0125	1	02/05/2025 13:09	WG2445859
n-Propylbenzene	U		0.000950	0.00500	1	02/05/2025 13:09	WG2445859
Toluene	U		0.00130	0.00500	1	02/05/2025 13:09	WG2445859
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	02/05/2025 13:09	WG2445859
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	02/05/2025 13:09	WG2445859
Xylenes, Total	U		0.000880	0.00650	1	02/05/2025 13:09	WG2445859
(S) Toluene-d8	99.3			75.0-131		02/05/2025 13:09	WG2445859
(S) 4-Bromofluorobenzene	99.3			67.0-138		02/05/2025 13:09	WG2445859
(S) 1,2-Dichloroethane-d4	100			70.0-130		02/05/2025 13:09	WG2445859

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	6.07		1.33	4.00	1	02/07/2025 01:52	WG2447174
(S) o-Terphenyl	70.3			18.0-148		02/07/2025 01:52	WG2447174

Sample Narrative:

L1822303-02 WG2447174: Sample resembles laboratory standards for Diesel and Hydraulic Oil.

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.00230	0.00600	1	02/05/2025 07:39	WG2445249
Acenaphthene	U		0.00209	0.00600	1	02/05/2025 07:39	WG2445249
Benzo(a)anthracene	0.00276	J	0.00173	0.00600	1	02/05/2025 07:39	WG2445249
Benzo(a)pyrene	0.00366	J	0.00179	0.00600	1	02/05/2025 07:39	WG2445249
Benzo(b)fluoranthene	0.00738		0.00153	0.00600	1	02/05/2025 07:39	WG2445249
Benzo(k)fluoranthene	U		0.00215	0.00600	1	02/05/2025 07:39	WG2445249
Chrysene	0.00749		0.00232	0.00600	1	02/05/2025 07:39	WG2445249
Dibenz(a,h)anthracene	0.00184	J	0.00172	0.00600	1	02/05/2025 07:39	WG2445249
Fluoranthene	0.00282	J	0.00227	0.00600	1	02/05/2025 07:39	WG2445249
Fluorene	U		0.00205	0.00600	1	02/05/2025 07:39	WG2445249
Indeno(1,2,3-cd)pyrene	0.00356	J	0.00181	0.00600	1	02/05/2025 07:39	WG2445249
Naphthalene	U		0.00408	0.0200	1	02/05/2025 07:39	WG2445249
Pyrene	0.00483	J	0.00200	0.00600	1	02/05/2025 07:39	WG2445249
(S) p-Terphenyl-d14	79.0			23.0-120		02/05/2025 07:39	WG2445249

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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
(S) Nitrobenzene-d5	94.3			14.0-149		02/05/2025 07:39	WG2445249
(S) 2-Fluorobiphenyl	84.7			34.0-125		02/05/2025 07:39	WG2445249

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.6		1	02/03/2025 15:08	WG2444735

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		0.932	2.75	27.5	02/04/2025 19:04	WG2445719
(S) a,a,a-Trifluorotoluene(FID)	99.1			77.0-120		02/04/2025 19:04	WG2445719

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000514	0.00110	1.1	02/05/2025 13:29	WG2445859
1,2-Dibromoethane	U		0.000713	0.00275	1.1	02/05/2025 13:29	WG2445859
1,2-Dichloroethane	U		0.000714	0.00275	1.1	02/05/2025 13:29	WG2445859
Ethylbenzene	U		0.000811	0.00275	1.1	02/05/2025 13:29	WG2445859
Isopropylbenzene	U		0.000468	0.00275	1.1	02/05/2025 13:29	WG2445859
Methyl tert-butyl ether	U		0.000385	0.00110	1.1	02/05/2025 13:29	WG2445859
Naphthalene	U	C3 J4	0.00537	0.0138	1.1	02/05/2025 13:29	WG2445859
n-Propylbenzene	U		0.00105	0.00550	1.1	02/05/2025 13:29	WG2445859
Toluene	U		0.00143	0.00550	1.1	02/05/2025 13:29	WG2445859
1,2,4-Trimethylbenzene	U		0.00174	0.00550	1.1	02/05/2025 13:29	WG2445859
1,3,5-Trimethylbenzene	U		0.00220	0.00550	1.1	02/05/2025 13:29	WG2445859
Xylenes, Total	U		0.000968	0.00715	1.1	02/05/2025 13:29	WG2445859
(S) Toluene-d8	98.7			75.0-131		02/05/2025 13:29	WG2445859
(S) 4-Bromofluorobenzene	98.8			67.0-138		02/05/2025 13:29	WG2445859
(S) 1,2-Dichloroethane-d4	101			70.0-130		02/05/2025 13:29	WG2445859

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	2.96	J	1.33	4.00	1	02/07/2025 03:16	WG2447174
(S) o-Terphenyl	76.2			18.0-148		02/07/2025 03:16	WG2447174

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.00230	0.00600	1	02/05/2025 05:00	WG2445249
Acenaphthene	U		0.00209	0.00600	1	02/05/2025 05:00	WG2445249
Benzo(a)anthracene	U		0.00173	0.00600	1	02/05/2025 05:00	WG2445249
Benzo(a)pyrene	U		0.00179	0.00600	1	02/05/2025 05:00	WG2445249
Benzo(b)fluoranthene	U		0.00153	0.00600	1	02/05/2025 05:00	WG2445249
Benzo(k)fluoranthene	U		0.00215	0.00600	1	02/05/2025 05:00	WG2445249
Chrysene	U		0.00232	0.00600	1	02/05/2025 05:00	WG2445249
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	02/05/2025 05:00	WG2445249
Fluoranthene	U		0.00227	0.00600	1	02/05/2025 05:00	WG2445249
Fluorene	U		0.00205	0.00600	1	02/05/2025 05:00	WG2445249
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	02/05/2025 05:00	WG2445249
Naphthalene	U		0.00408	0.0200	1	02/05/2025 05:00	WG2445249
Pyrene	U		0.00200	0.00600	1	02/05/2025 05:00	WG2445249
(S) p-Terphenyl-d14	93.5			23.0-120		02/05/2025 05:00	WG2445249
(S) Nitrobenzene-d5	88.1			14.0-149		02/05/2025 05:00	WG2445249
(S) 2-Fluorobiphenyl	92.1			34.0-125		02/05/2025 05:00	WG2445249



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.7		1	02/03/2025 15:08	WG2444735

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		0.848	2.50	25	02/04/2025 19:23	WG2445719
(S) a,a,a-Trifluorotoluene(FID)	98.6			77.0-120		02/04/2025 19:23	WG2445719

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000467	0.00100	1	02/05/2025 13:49	WG2445859
1,2-Dibromoethane	U		0.000648	0.00250	1	02/05/2025 13:49	WG2445859
1,2-Dichloroethane	U		0.000649	0.00250	1	02/05/2025 13:49	WG2445859
Ethylbenzene	U		0.000737	0.00250	1	02/05/2025 13:49	WG2445859
Isopropylbenzene	U		0.000425	0.00250	1	02/05/2025 13:49	WG2445859
Methyl tert-butyl ether	U		0.000350	0.00100	1	02/05/2025 13:49	WG2445859
Naphthalene	U	C3 J4	0.00488	0.0125	1	02/05/2025 13:49	WG2445859
n-Propylbenzene	U		0.000950	0.00500	1	02/05/2025 13:49	WG2445859
Toluene	U		0.00130	0.00500	1	02/05/2025 13:49	WG2445859
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	02/05/2025 13:49	WG2445859
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	02/05/2025 13:49	WG2445859
Xylenes, Total	U		0.000880	0.00650	1	02/05/2025 13:49	WG2445859
(S) Toluene-d8	98.8			75.0-131		02/05/2025 13:49	WG2445859
(S) 4-Bromofluorobenzene	99.4			67.0-138		02/05/2025 13:49	WG2445859
(S) 1,2-Dichloroethane-d4	96.7			70.0-130		02/05/2025 13:49	WG2445859

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	1.44	J	1.33	4.00	1	02/07/2025 03:33	WG2447174
(S) o-Terphenyl	83.1			18.0-148		02/07/2025 03:33	WG2447174

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.00230	0.00600	1	02/05/2025 05:53	WG2445249
Acenaphthene	U		0.00209	0.00600	1	02/05/2025 05:53	WG2445249
Benzo(a)anthracene	U		0.00173	0.00600	1	02/05/2025 05:53	WG2445249
Benzo(a)pyrene	U		0.00179	0.00600	1	02/05/2025 05:53	WG2445249
Benzo(b)fluoranthene	U		0.00153	0.00600	1	02/05/2025 05:53	WG2445249
Benzo(k)fluoranthene	U		0.00215	0.00600	1	02/05/2025 05:53	WG2445249
Chrysene	U		0.00232	0.00600	1	02/05/2025 05:53	WG2445249
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	02/05/2025 05:53	WG2445249
Fluoranthene	U		0.00227	0.00600	1	02/05/2025 05:53	WG2445249
Fluorene	U		0.00205	0.00600	1	02/05/2025 05:53	WG2445249
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	02/05/2025 05:53	WG2445249
Naphthalene	U		0.00408	0.0200	1	02/05/2025 05:53	WG2445249
Pyrene	U		0.00200	0.00600	1	02/05/2025 05:53	WG2445249
(S) p-Terphenyl-d14	97.9			23.0-120		02/05/2025 05:53	WG2445249
(S) Nitrobenzene-d5	89.3			14.0-149		02/05/2025 05:53	WG2445249
(S) 2-Fluorobiphenyl	94.7			34.0-125		02/05/2025 05:53	WG2445249



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	73.1		1	02/03/2025 15:08	WG2444735

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		0.848	2.50	25	02/04/2025 19:42	WG2445719
(S) a,a,a-Trifluorotoluene(FID)	99.7			77.0-120		02/04/2025 19:42	WG2445719

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000467	0.00100	1	02/05/2025 14:09	WG2445859
1,2-Dibromoethane	U		0.000648	0.00250	1	02/05/2025 14:09	WG2445859
1,2-Dichloroethane	U		0.000649	0.00250	1	02/05/2025 14:09	WG2445859
Ethylbenzene	U		0.000737	0.00250	1	02/05/2025 14:09	WG2445859
Isopropylbenzene	U		0.000425	0.00250	1	02/05/2025 14:09	WG2445859
Methyl tert-butyl ether	U		0.000350	0.00100	1	02/05/2025 14:09	WG2445859
Naphthalene	U	C3 J4	0.00488	0.0125	1	02/05/2025 14:09	WG2445859
n-Propylbenzene	U		0.000950	0.00500	1	02/05/2025 14:09	WG2445859
Toluene	U		0.00130	0.00500	1	02/05/2025 14:09	WG2445859
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	02/05/2025 14:09	WG2445859
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	02/05/2025 14:09	WG2445859
Xylenes, Total	U		0.000880	0.00650	1	02/05/2025 14:09	WG2445859
(S) Toluene-d8	99.1			75.0-131		02/05/2025 14:09	WG2445859
(S) 4-Bromofluorobenzene	99.3			67.0-138		02/05/2025 14:09	WG2445859
(S) 1,2-Dichloroethane-d4	97.8			70.0-130		02/05/2025 14:09	WG2445859

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	U		1.33	4.00	1	02/07/2025 01:18	WG2447174
(S) o-Terphenyl	71.9			18.0-148		02/07/2025 01:18	WG2447174

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.00230	0.00600	1	02/05/2025 05:18	WG2445249
Acenaphthene	U		0.00209	0.00600	1	02/05/2025 05:18	WG2445249
Benzo(a)anthracene	U		0.00173	0.00600	1	02/05/2025 05:18	WG2445249
Benzo(a)pyrene	U		0.00179	0.00600	1	02/05/2025 05:18	WG2445249
Benzo(b)fluoranthene	U		0.00153	0.00600	1	02/05/2025 05:18	WG2445249
Benzo(k)fluoranthene	U		0.00215	0.00600	1	02/05/2025 05:18	WG2445249
Chrysene	U		0.00232	0.00600	1	02/05/2025 05:18	WG2445249
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	02/05/2025 05:18	WG2445249
Fluoranthene	U		0.00227	0.00600	1	02/05/2025 05:18	WG2445249
Fluorene	U		0.00205	0.00600	1	02/05/2025 05:18	WG2445249
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	02/05/2025 05:18	WG2445249
Naphthalene	U		0.00408	0.0200	1	02/05/2025 05:18	WG2445249
Pyrene	U		0.00200	0.00600	1	02/05/2025 05:18	WG2445249
(S) p-Terphenyl-d14	76.7			23.0-120		02/05/2025 05:18	WG2445249
(S) Nitrobenzene-d5	69.8			14.0-149		02/05/2025 05:18	WG2445249
(S) 2-Fluorobiphenyl	80.1			34.0-125		02/05/2025 05:18	WG2445249



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	74.6		1	02/03/2025 15:08	WG2444735

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		0.848	2.50	25	02/04/2025 20:07	WG2445719
(S) a,a,a-Trifluorotoluene(FID)	100			77.0-120		02/04/2025 20:07	WG2445719

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000467	0.00100	1	02/05/2025 14:29	WG2445859
1,2-Dibromoethane	U		0.000648	0.00250	1	02/05/2025 14:29	WG2445859
1,2-Dichloroethane	U		0.000649	0.00250	1	02/05/2025 14:29	WG2445859
Ethylbenzene	U		0.000737	0.00250	1	02/05/2025 14:29	WG2445859
Isopropylbenzene	U		0.000425	0.00250	1	02/05/2025 14:29	WG2445859
Methyl tert-butyl ether	U		0.000350	0.00100	1	02/05/2025 14:29	WG2445859
Naphthalene	U	C3 J4	0.00488	0.0125	1	02/05/2025 14:29	WG2445859
n-Propylbenzene	U		0.000950	0.00500	1	02/05/2025 14:29	WG2445859
Toluene	U		0.00130	0.00500	1	02/05/2025 14:29	WG2445859
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	02/05/2025 14:29	WG2445859
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	02/05/2025 14:29	WG2445859
Xylenes, Total	U		0.000880	0.00650	1	02/05/2025 14:29	WG2445859
(S) Toluene-d8	98.6			75.0-131		02/05/2025 14:29	WG2445859
(S) 4-Bromofluorobenzene	97.4			67.0-138		02/05/2025 14:29	WG2445859
(S) 1,2-Dichloroethane-d4	99.6			70.0-130		02/05/2025 14:29	WG2445859

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	U		1.33	4.00	1	02/07/2025 01:35	WG2447174
(S) o-Terphenyl	74.2			18.0-148		02/07/2025 01:35	WG2447174

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.00230	0.00600	1	02/05/2025 05:35	WG2445249
Acenaphthene	U		0.00209	0.00600	1	02/05/2025 05:35	WG2445249
Benzo(a)anthracene	U		0.00173	0.00600	1	02/05/2025 05:35	WG2445249
Benzo(a)pyrene	U		0.00179	0.00600	1	02/05/2025 05:35	WG2445249
Benzo(b)fluoranthene	U		0.00153	0.00600	1	02/05/2025 05:35	WG2445249
Benzo(k)fluoranthene	U		0.00215	0.00600	1	02/05/2025 05:35	WG2445249
Chrysene	U		0.00232	0.00600	1	02/05/2025 05:35	WG2445249
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	02/05/2025 05:35	WG2445249
Fluoranthene	U		0.00227	0.00600	1	02/05/2025 05:35	WG2445249
Fluorene	U		0.00205	0.00600	1	02/05/2025 05:35	WG2445249
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	02/05/2025 05:35	WG2445249
Naphthalene	U		0.00408	0.0200	1	02/05/2025 05:35	WG2445249
Pyrene	U		0.00200	0.00600	1	02/05/2025 05:35	WG2445249
(S) p-Terphenyl-d14	85.9			23.0-120		02/05/2025 05:35	WG2445249
(S) Nitrobenzene-d5	79.6			14.0-149		02/05/2025 05:35	WG2445249
(S) 2-Fluorobiphenyl	83.1			34.0-125		02/05/2025 05:35	WG2445249



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.2		1	02/03/2025 15:08	WG2444735

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		0.848	2.50	25	02/04/2025 20:26	WG2445719
(S) a,a,a-Trifluorotoluene(FID)	101			77.0-120		02/04/2025 20:26	WG2445719

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000467	0.00100	1	02/05/2025 14:49	WG2445859
1,2-Dibromoethane	U		0.000648	0.00250	1	02/05/2025 14:49	WG2445859
1,2-Dichloroethane	U		0.000649	0.00250	1	02/05/2025 14:49	WG2445859
Ethylbenzene	U		0.000737	0.00250	1	02/05/2025 14:49	WG2445859
Isopropylbenzene	U		0.000425	0.00250	1	02/05/2025 14:49	WG2445859
Methyl tert-butyl ether	U		0.000350	0.00100	1	02/05/2025 14:49	WG2445859
Naphthalene	U	C3 J4	0.00488	0.0125	1	02/05/2025 14:49	WG2445859
n-Propylbenzene	U		0.000950	0.00500	1	02/05/2025 14:49	WG2445859
Toluene	U		0.00130	0.00500	1	02/05/2025 14:49	WG2445859
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	02/05/2025 14:49	WG2445859
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	02/05/2025 14:49	WG2445859
Xylenes, Total	U		0.000880	0.00650	1	02/05/2025 14:49	WG2445859
(S) Toluene-d8	98.2			75.0-131		02/05/2025 14:49	WG2445859
(S) 4-Bromofluorobenzene	97.0			67.0-138		02/05/2025 14:49	WG2445859
(S) 1,2-Dichloroethane-d4	97.9			70.0-130		02/05/2025 14:49	WG2445859

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	3.26	J	1.33	4.00	1	02/07/2025 01:35	WG2447174
(S) o-Terphenyl	73.9			18.0-148		02/07/2025 01:35	WG2447174

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.00230	0.00600	1	02/10/2025 22:03	WG2449027
Acenaphthene	U		0.00209	0.00600	1	02/10/2025 22:03	WG2449027
Benzo(a)anthracene	U		0.00173	0.00600	1	02/10/2025 22:03	WG2449027
Benzo(a)pyrene	U		0.00179	0.00600	1	02/10/2025 22:03	WG2449027
Benzo(b)fluoranthene	U		0.00153	0.00600	1	02/10/2025 22:03	WG2449027
Benzo(k)fluoranthene	U		0.00215	0.00600	1	02/10/2025 22:03	WG2449027
Chrysene	U		0.00232	0.00600	1	02/10/2025 22:03	WG2449027
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	02/10/2025 22:03	WG2449027
Fluoranthene	U		0.00227	0.00600	1	02/10/2025 22:03	WG2449027
Fluorene	U		0.00205	0.00600	1	02/10/2025 22:03	WG2449027
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	02/10/2025 22:03	WG2449027
Naphthalene	U		0.00408	0.0200	1	02/10/2025 22:03	WG2449027
Pyrene	U		0.00200	0.00600	1	02/10/2025 22:03	WG2449027
(S) p-Terphenyl-d14	112			23.0-120		02/10/2025 22:03	WG2449027
(S) Nitrobenzene-d5	119			14.0-149		02/10/2025 22:03	WG2449027
(S) 2-Fluorobiphenyl	124			34.0-125		02/10/2025 22:03	WG2449027



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	68.7		1	02/03/2025 15:08	WG2444735

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	6.39		0.848	2.50	25	02/04/2025 20:45	WG2445719
(S) a,a,a-Trifluorotoluene(FID)	101			77.0-120		02/04/2025 20:45	WG2445719

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000467	0.00100	1	02/05/2025 15:09	WG2445859
1,2-Dibromoethane	U		0.000648	0.00250	1	02/05/2025 15:09	WG2445859
1,2-Dichloroethane	U		0.000649	0.00250	1	02/05/2025 15:09	WG2445859
Ethylbenzene	0.000892	J	0.000737	0.00250	1	02/05/2025 15:09	WG2445859
Isopropylbenzene	0.00964		0.000425	0.00250	1	02/05/2025 15:09	WG2445859
Methyl tert-butyl ether	U		0.000350	0.00100	1	02/05/2025 15:09	WG2445859
Naphthalene	U	C3 J4	0.00488	0.0125	1	02/05/2025 15:09	WG2445859
n-Propylbenzene	0.0192		0.000950	0.00500	1	02/05/2025 15:09	WG2445859
Toluene	U		0.00130	0.00500	1	02/05/2025 15:09	WG2445859
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	02/05/2025 15:09	WG2445859
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	02/05/2025 15:09	WG2445859
Xylenes, Total	U		0.000880	0.00650	1	02/05/2025 15:09	WG2445859
(S) Toluene-d8	98.4			75.0-131		02/05/2025 15:09	WG2445859
(S) 4-Bromofluorobenzene	98.7			67.0-138		02/05/2025 15:09	WG2445859
(S) 1,2-Dichloroethane-d4	99.4			70.0-130		02/05/2025 15:09	WG2445859

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	8.44		1.33	4.00	1	02/07/2025 02:09	WG2447174
(S) o-Terphenyl	70.7			18.0-148		02/07/2025 02:09	WG2447174

Sample Narrative:

L1822303-08 WG2447174: Sample resembles laboratory standards for Gasoline and Hydraulic Oil.

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.00230	0.00600	1	02/05/2025 22:08	WG2445249
Acenaphthene	0.00429	J	0.00209	0.00600	1	02/05/2025 22:08	WG2445249
Benzo(a)anthracene	U		0.00173	0.00600	1	02/05/2025 22:08	WG2445249
Benzo(a)pyrene	U		0.00179	0.00600	1	02/05/2025 22:08	WG2445249
Benzo(b)fluoranthene	U		0.00153	0.00600	1	02/05/2025 22:08	WG2445249
Benzo(k)fluoranthene	U		0.00215	0.00600	1	02/05/2025 22:08	WG2445249
Chrysene	U		0.00232	0.00600	1	02/05/2025 22:08	WG2445249
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	02/05/2025 22:08	WG2445249
Fluoranthene	U		0.00227	0.00600	1	02/05/2025 22:08	WG2445249
Fluorene	0.00214	J	0.00205	0.00600	1	02/05/2025 22:08	WG2445249
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	02/05/2025 22:08	WG2445249
Naphthalene	U		0.00408	0.0200	1	02/05/2025 22:08	WG2445249
Pyrene	U		0.00200	0.00600	1	02/05/2025 22:08	WG2445249
(S) p-Terphenyl-d14	95.6			23.0-120		02/05/2025 22:08	WG2445249

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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
(S) Nitrobenzene-d5	61.2			14.0-149		02/05/2025 22:08	WG2445249
(S) 2-Fluorobiphenyl	85.9			34.0-125		02/05/2025 22:08	WG2445249

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	74.6		1	02/03/2025 15:08	WG2444735

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	3690		16.9	50.0	500	02/05/2025 18:32	WG2446309
(S) a,a,a-Trifluorotoluene(FID)	150	<u>J1</u>		77.0-120		02/05/2025 18:32	WG2446309

Sample Narrative:

L1822303-09 WG2446309: Surrogate failure due to matrix interference.

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Benzene	U		0.0187	0.0400	40	02/05/2025 18:27	WG2445859
1,2-Dibromoethane	U		0.0259	0.100	40	02/05/2025 18:27	WG2445859
1,2-Dichloroethane	U		0.0260	0.100	40	02/05/2025 18:27	WG2445859
Ethylbenzene	37.8		0.0295	0.100	40	02/05/2025 18:27	WG2445859
Isopropylbenzene	11.4		0.0170	0.100	40	02/05/2025 18:27	WG2445859
Methyl tert-butyl ether	U		0.0140	0.0400	40	02/05/2025 18:27	WG2445859
Naphthalene	27.3	<u>C3 J4</u>	0.195	0.500	40	02/05/2025 18:27	WG2445859
n-Propylbenzene	47.1		0.0380	0.200	40	02/05/2025 18:27	WG2445859
Toluene	U		0.0520	0.200	40	02/05/2025 18:27	WG2445859
1,2,4-Trimethylbenzene	3.92		0.0632	0.200	40	02/05/2025 18:27	WG2445859
1,3,5-Trimethylbenzene	11.6		0.0800	0.200	40	02/05/2025 18:27	WG2445859
Xylenes, Total	1.82		0.0352	0.260	40	02/05/2025 18:27	WG2445859
(S) Toluene-d8	91.6			75.0-131		02/05/2025 18:27	WG2445859
(S) 4-Bromofluorobenzene	96.6			67.0-138		02/05/2025 18:27	WG2445859
(S) 1,2-Dichloroethane-d4	117			70.0-130		02/05/2025 18:27	WG2445859

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	25.1		1.33	4.00	1	02/07/2025 02:59	WG2447174
(S) o-Terphenyl	75.3			18.0-148		02/07/2025 02:59	WG2447174

Sample Narrative:

L1822303-09 WG2447174: Sample resembles laboratory standard for Kerosene.

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Anthracene	U		0.00230	0.00600	1	02/06/2025 16:16	WG2446603
Acenaphthene	0.00653		0.00209	0.00600	1	02/06/2025 16:16	WG2446603
Benzo(a)anthracene	U		0.00173	0.00600	1	02/06/2025 16:16	WG2446603
Benzo(a)pyrene	U		0.00179	0.00600	1	02/06/2025 16:16	WG2446603
Benzo(b)fluoranthene	U		0.00153	0.00600	1	02/06/2025 16:16	WG2446603
Benzo(k)fluoranthene	U		0.00215	0.00600	1	02/06/2025 16:16	WG2446603
Chrysene	U		0.00232	0.00600	1	02/06/2025 16:16	WG2446603
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	02/06/2025 16:16	WG2446603
Fluoranthene	U		0.00227	0.00600	1	02/06/2025 16:16	WG2446603
Fluorene	0.00399	<u>J</u>	0.00205	0.00600	1	02/06/2025 16:16	WG2446603
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	02/06/2025 16:16	WG2446603



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
Naphthalene	0.279		0.00408	0.0200	1	02/06/2025 16:16	WG2446603
Pyrene	U		0.00200	0.00600	1	02/06/2025 16:16	WG2446603
<i>(S)</i> p-Terphenyl-d14	60.0			23.0-120		02/06/2025 16:16	WG2446603
<i>(S)</i> Nitrobenzene-d5	58.0			14.0-149		02/06/2025 16:16	WG2446603
<i>(S)</i> 2-Fluorobiphenyl	73.7			34.0-125		02/06/2025 16:16	WG2446603

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.7		1	02/03/2025 15:01	WG2444736

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	26.9		0.848	2.50	25	02/05/2025 12:49	WG2446251
(S) a,a,a-Trifluorotoluene(FID)	101			77.0-120		02/05/2025 12:49	WG2446251

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000467	0.00100	1	02/05/2025 15:29	WG2445859
1,2-Dibromoethane	U		0.000648	0.00250	1	02/05/2025 15:29	WG2445859
1,2-Dichloroethane	U		0.000649	0.00250	1	02/05/2025 15:29	WG2445859
Ethylbenzene	U		0.000737	0.00250	1	02/05/2025 15:29	WG2445859
Isopropylbenzene	U		0.000425	0.00250	1	02/05/2025 15:29	WG2445859
Methyl tert-butyl ether	U		0.000350	0.00100	1	02/05/2025 15:29	WG2445859
Naphthalene	U	C3 J4	0.00488	0.0125	1	02/05/2025 15:29	WG2445859
n-Propylbenzene	U		0.000950	0.00500	1	02/05/2025 15:29	WG2445859
Toluene	U		0.00130	0.00500	1	02/05/2025 15:29	WG2445859
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	02/05/2025 15:29	WG2445859
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	02/05/2025 15:29	WG2445859
Xylenes, Total	U		0.000880	0.00650	1	02/05/2025 15:29	WG2445859
(S) Toluene-d8	96.3			75.0-131		02/05/2025 15:29	WG2445859
(S) 4-Bromofluorobenzene	169	J1		67.0-138		02/05/2025 15:29	WG2445859
(S) 1,2-Dichloroethane-d4	99.1			70.0-130		02/05/2025 15:29	WG2445859

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	2.13	J	1.33	4.00	1	02/07/2025 02:43	WG2447174
(S) o-Terphenyl	79.6			18.0-148		02/07/2025 02:43	WG2447174

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.00230	0.00600	1	02/06/2025 16:34	WG2446603
Acenaphthene	U		0.00209	0.00600	1	02/06/2025 16:34	WG2446603
Benzo(a)anthracene	U		0.00173	0.00600	1	02/06/2025 16:34	WG2446603
Benzo(a)pyrene	U		0.00179	0.00600	1	02/06/2025 16:34	WG2446603
Benzo(b)fluoranthene	U		0.00153	0.00600	1	02/06/2025 16:34	WG2446603
Benzo(k)fluoranthene	U		0.00215	0.00600	1	02/06/2025 16:34	WG2446603
Chrysene	U		0.00232	0.00600	1	02/06/2025 16:34	WG2446603
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	02/06/2025 16:34	WG2446603
Fluoranthene	U		0.00227	0.00600	1	02/06/2025 16:34	WG2446603
Fluorene	U		0.00205	0.00600	1	02/06/2025 16:34	WG2446603
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	02/06/2025 16:34	WG2446603
Naphthalene	U		0.00408	0.0200	1	02/06/2025 16:34	WG2446603
Pyrene	U		0.00200	0.00600	1	02/06/2025 16:34	WG2446603
(S) p-Terphenyl-d14	66.0			23.0-120		02/06/2025 16:34	WG2446603
(S) Nitrobenzene-d5	63.1			14.0-149		02/06/2025 16:34	WG2446603
(S) 2-Fluorobiphenyl	76.7			34.0-125		02/06/2025 16:34	WG2446603



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	72.4		1	02/03/2025 15:01	WG2444736

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	129		3.39	10.0	100	02/05/2025 13:12	WG2446251
(S) a,a,a-Trifluorotoluene(FID)	101			77.0-120		02/05/2025 13:12	WG2446251

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000467	0.00100	1	02/05/2025 15:49	WG2445859
1,2-Dibromoethane	U		0.000648	0.00250	1	02/05/2025 15:49	WG2445859
1,2-Dichloroethane	U		0.000649	0.00250	1	02/05/2025 15:49	WG2445859
Ethylbenzene	U		0.000737	0.00250	1	02/05/2025 15:49	WG2445859
Isopropylbenzene	U		0.000425	0.00250	1	02/05/2025 15:49	WG2445859
Methyl tert-butyl ether	U		0.000350	0.00100	1	02/05/2025 15:49	WG2445859
Naphthalene	U	C3 J4	0.00488	0.0125	1	02/05/2025 15:49	WG2445859
n-Propylbenzene	U		0.000950	0.00500	1	02/05/2025 15:49	WG2445859
Toluene	U		0.00130	0.00500	1	02/05/2025 15:49	WG2445859
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	02/05/2025 15:49	WG2445859
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	02/05/2025 15:49	WG2445859
Xylenes, Total	U		0.000880	0.00650	1	02/05/2025 15:49	WG2445859
(S) Toluene-d8	90.8			75.0-131		02/05/2025 15:49	WG2445859
(S) 4-Bromofluorobenzene	71.6			67.0-138		02/05/2025 15:49	WG2445859
(S) 1,2-Dichloroethane-d4	99.3			70.0-130		02/05/2025 15:49	WG2445859

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	59.8		1.33	4.00	1	02/07/2025 01:52	WG2447174
(S) o-Terphenyl	82.9			18.0-148		02/07/2025 01:52	WG2447174

Sample Narrative:

L1822303-11 WG2447174: Sample resembles laboratory standard for Kerosene.

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.00230	0.00600	1	02/06/2025 16:52	WG2446603
Acenaphthene	U		0.00209	0.00600	1	02/06/2025 16:52	WG2446603
Benzo(a)anthracene	U		0.00173	0.00600	1	02/06/2025 16:52	WG2446603
Benzo(a)pyrene	U		0.00179	0.00600	1	02/06/2025 16:52	WG2446603
Benzo(b)fluoranthene	U		0.00153	0.00600	1	02/06/2025 16:52	WG2446603
Benzo(k)fluoranthene	U		0.00215	0.00600	1	02/06/2025 16:52	WG2446603
Chrysene	U		0.00232	0.00600	1	02/06/2025 16:52	WG2446603
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	02/06/2025 16:52	WG2446603
Fluoranthene	U		0.00227	0.00600	1	02/06/2025 16:52	WG2446603
Fluorene	U		0.00205	0.00600	1	02/06/2025 16:52	WG2446603
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	02/06/2025 16:52	WG2446603
Naphthalene	U		0.00408	0.0200	1	02/06/2025 16:52	WG2446603
Pyrene	U		0.00200	0.00600	1	02/06/2025 16:52	WG2446603
(S) p-Terphenyl-d14	71.8			23.0-120		02/06/2025 16:52	WG2446603



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
(S) Nitrobenzene-d5	38.1			14.0-149		02/06/2025 16:52	WG2446603
(S) 2-Fluorobiphenyl	83.5			34.0-125		02/06/2025 16:52	WG2446603

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	72.9		1	02/03/2025 15:01	WG2444736



Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	251		8.48	25.0	250	02/05/2025 13:35	WG2446251
(S) a,a,a-Trifluorotoluene(FID)	98.7			77.0-120		02/05/2025 13:35	WG2446251

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	0.0542		0.000467	0.00100	1	02/05/2025 16:08	WG2445859
1,2-Dibromoethane	U		0.000648	0.00250	1	02/05/2025 16:08	WG2445859
1,2-Dichloroethane	U		0.000649	0.00250	1	02/05/2025 16:08	WG2445859
Ethylbenzene	0.769		0.000737	0.00250	1	02/05/2025 16:08	WG2445859
Isopropylbenzene	0.268		0.000425	0.00250	1	02/05/2025 16:08	WG2445859
Methyl tert-butyl ether	U		0.000350	0.00100	1	02/05/2025 16:08	WG2445859
Naphthalene	0.603	C3 J4	0.00488	0.0125	1	02/05/2025 16:08	WG2445859
n-Propylbenzene	1.61		0.000950	0.00500	1	02/05/2025 16:08	WG2445859
Toluene	0.00448	J	0.00130	0.00500	1	02/05/2025 16:08	WG2445859
1,2,4-Trimethylbenzene	0.0167		0.00158	0.00500	1	02/05/2025 16:08	WG2445859
1,3,5-Trimethylbenzene	0.0287		0.00200	0.00500	1	02/05/2025 16:08	WG2445859
Xylenes, Total	0.00203	J	0.000880	0.00650	1	02/05/2025 16:08	WG2445859
(S) Toluene-d8	83.4			75.0-131		02/05/2025 16:08	WG2445859
(S) 4-Bromofluorobenzene	95.1			67.0-138		02/05/2025 16:08	WG2445859
(S) 1,2-Dichloroethane-d4	121			70.0-130		02/05/2025 16:08	WG2445859

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	103		1.33	4.00	1	02/07/2025 14:11	WG2447174
(S) o-Terphenyl	69.9			18.0-148		02/07/2025 14:11	WG2447174

Sample Narrative:

L1822303-12 WG2447174: Sample resembles laboratory standard for Kerosene.

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.00230	0.00600	1	02/06/2025 17:10	WG2446603
Acenaphthene	0.0130		0.00209	0.00600	1	02/06/2025 17:10	WG2446603
Benzo(a)anthracene	U		0.00173	0.00600	1	02/06/2025 17:10	WG2446603
Benzo(a)pyrene	U		0.00179	0.00600	1	02/06/2025 17:10	WG2446603
Benzo(b)fluoranthene	U		0.00153	0.00600	1	02/06/2025 17:10	WG2446603
Benzo(k)fluoranthene	U		0.00215	0.00600	1	02/06/2025 17:10	WG2446603
Chrysene	U		0.00232	0.00600	1	02/06/2025 17:10	WG2446603
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	02/06/2025 17:10	WG2446603
Fluoranthene	0.00388	J	0.00227	0.00600	1	02/06/2025 17:10	WG2446603
Fluorene	0.00992		0.00205	0.00600	1	02/06/2025 17:10	WG2446603
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	02/06/2025 17:10	WG2446603
Naphthalene	1.12		0.00408	0.0200	1	02/06/2025 17:10	WG2446603
Pyrene	0.00363	J	0.00200	0.00600	1	02/06/2025 17:10	WG2446603
(S) p-Terphenyl-d14	66.6			23.0-120		02/06/2025 17:10	WG2446603

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
(S) Nitrobenzene-d5	0.000	<u>J2</u>		14.0-149		02/06/2025 17:10	WG2446603
(S) 2-Fluorobiphenyl	77.8			34.0-125		02/06/2025 17:10	WG2446603

Sample Narrative:

L1822303-12 WG2446603: Surrogate failure due to matrix interference.

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	76.4		1	02/03/2025 15:01	WG2444736

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Gasoline Range Organics-NWTPH	714		8.48	25.0	250	02/08/2025 18:07	WG2447667
(S) a,a,a-Trifluorotoluene(FID)	108			77.0-120		02/08/2025 18:07	WG2447667

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Benzene	U		0.00374	0.00800	8	02/10/2025 14:25	WG2448993
1,2-Dibromoethane	U		0.00518	0.0200	8	02/10/2025 14:25	WG2448993
1,2-Dichloroethane	U		0.00519	0.0200	8	02/10/2025 14:25	WG2448993
Ethylbenzene	0.953		0.00590	0.0200	8	02/10/2025 14:25	WG2448993
Isopropylbenzene	3.23		0.00340	0.0200	8	02/10/2025 14:25	WG2448993
Methyl tert-butyl ether	U		0.00280	0.00800	8	02/10/2025 14:25	WG2448993
Naphthalene	0.243		0.0390	0.100	8	02/10/2025 14:25	WG2448993
n-Propylbenzene	12.2		0.00760	0.0400	8	02/10/2025 14:25	WG2448993
Toluene	U		0.0104	0.0400	8	02/10/2025 14:25	WG2448993
1,2,4-Trimethylbenzene	U		0.0126	0.0400	8	02/10/2025 14:25	WG2448993
1,3,5-Trimethylbenzene	0.0259	J	0.0160	0.0400	8	02/10/2025 14:25	WG2448993
Xylenes, Total	0.0255	J	0.00704	0.0520	8	02/10/2025 14:25	WG2448993
(S) Toluene-d8	90.9			75.0-131		02/10/2025 14:25	WG2448993
(S) 4-Bromofluorobenzene	102			67.0-138		02/10/2025 14:25	WG2448993
(S) 1,2-Dichloroethane-d4	116			70.0-130		02/10/2025 14:25	WG2448993

Sample Narrative:

L1822303-13 WG2448993: Non-target compounds too high to run at a lower dilution.

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Diesel Range Organics (DRO)	1.56	J	1.33	4.00	1	02/07/2025 02:09	WG2447174
(S) o-Terphenyl	75.3			18.0-148		02/07/2025 02:09	WG2447174

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Anthracene	U		0.00230	0.00600	1	02/06/2025 17:27	WG2446603
Acenaphthene	U		0.00209	0.00600	1	02/06/2025 17:27	WG2446603
Benzo(a)anthracene	U		0.00173	0.00600	1	02/06/2025 17:27	WG2446603
Benzo(a)pyrene	U		0.00179	0.00600	1	02/06/2025 17:27	WG2446603
Benzo(b)fluoranthene	U		0.00153	0.00600	1	02/06/2025 17:27	WG2446603
Benzo(k)fluoranthene	U		0.00215	0.00600	1	02/06/2025 17:27	WG2446603
Chrysene	U		0.00232	0.00600	1	02/06/2025 17:27	WG2446603
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	02/06/2025 17:27	WG2446603
Fluoranthene	U		0.00227	0.00600	1	02/06/2025 17:27	WG2446603
Fluorene	U		0.00205	0.00600	1	02/06/2025 17:27	WG2446603
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	02/06/2025 17:27	WG2446603
Naphthalene	U		0.00408	0.0200	1	02/06/2025 17:27	WG2446603
Pyrene	U		0.00200	0.00600	1	02/06/2025 17:27	WG2446603
(S) p-Terphenyl-d14	53.8			23.0-120		02/06/2025 17:27	WG2446603



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
(S) Nitrobenzene-d5	51.2			14.0-149		02/06/2025 17:27	WG2446603
(S) 2-Fluorobiphenyl	62.3			34.0-125		02/06/2025 17:27	WG2446603

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	73.0		1	02/03/2025 15:01	WG2444736

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	110		8.48	25.0	250	02/05/2025 18:54	WG2446309
(S) a,a,a-Trifluorotoluene(FID)	93.3			77.0-120		02/05/2025 18:54	WG2446309

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	0.0861		0.00934	0.0200	20	02/05/2025 18:47	WG2445859
1,2-Dibromoethane	U		0.0130	0.0500	20	02/05/2025 18:47	WG2445859
1,2-Dichloroethane	U		0.0130	0.0500	20	02/05/2025 18:47	WG2445859
Ethylbenzene	28.0		0.0147	0.0500	20	02/05/2025 18:47	WG2445859
Isopropylbenzene	3.11		0.00850	0.0500	20	02/05/2025 18:47	WG2445859
Methyl tert-butyl ether	U		0.00700	0.0200	20	02/05/2025 18:47	WG2445859
Naphthalene	9.06	C3 J4	0.0976	0.250	20	02/05/2025 18:47	WG2445859
n-Propylbenzene	10.5		0.0190	0.100	20	02/05/2025 18:47	WG2445859
Toluene	1.13		0.0260	0.100	20	02/05/2025 18:47	WG2445859
1,2,4-Trimethylbenzene	306		0.632	2.00	400	02/11/2025 12:17	WG2449279
1,3,5-Trimethylbenzene	16.7		0.0400	0.100	20	02/05/2025 18:47	WG2445859
Xylenes, Total	84.8		0.0176	0.130	20	02/05/2025 18:47	WG2445859
(S) Toluene-d8	92.7			75.0-131		02/05/2025 18:47	WG2445859
(S) Toluene-d8	94.6			75.0-131		02/11/2025 12:17	WG2449279
(S) 4-Bromofluorobenzene	97.2			67.0-138		02/05/2025 18:47	WG2445859
(S) 4-Bromofluorobenzene	108			67.0-138		02/11/2025 12:17	WG2449279
(S) 1,2-Dichloroethane-d4	116			70.0-130		02/05/2025 18:47	WG2445859
(S) 1,2-Dichloroethane-d4	105			70.0-130		02/11/2025 12:17	WG2449279

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	132		1.33	4.00	1	02/07/2025 13:00	WG2447174
(S) o-Terphenyl	81.8			18.0-148		02/07/2025 13:00	WG2447174

Sample Narrative:

L1822303-14 WG2447174: Sample resembles laboratory standard for Kerosene.

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.00230	0.00600	1	02/06/2025 17:45	WG2446603
Acenaphthene	0.0133		0.00209	0.00600	1	02/06/2025 17:45	WG2446603
Benzo(a)anthracene	0.00271	J	0.00173	0.00600	1	02/06/2025 17:45	WG2446603
Benzo(a)pyrene	U		0.00179	0.00600	1	02/06/2025 17:45	WG2446603
Benzo(b)fluoranthene	U		0.00153	0.00600	1	02/06/2025 17:45	WG2446603
Benzo(k)fluoranthene	U		0.00215	0.00600	1	02/06/2025 17:45	WG2446603
Chrysene	U		0.00232	0.00600	1	02/06/2025 17:45	WG2446603
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	02/06/2025 17:45	WG2446603
Fluoranthene	0.00310	J	0.00227	0.00600	1	02/06/2025 17:45	WG2446603
Fluorene	0.00672		0.00205	0.00600	1	02/06/2025 17:45	WG2446603
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	02/06/2025 17:45	WG2446603



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
Naphthalene	3.44		0.00408	0.0200	1	02/06/2025 17:45	WG2446603
Pyrene	0.00304	<u>J</u>	0.00200	0.00600	1	02/06/2025 17:45	WG2446603
(S) p-Terphenyl-d14	75.4			23.0-120		02/06/2025 17:45	WG2446603
(S) Nitrobenzene-d5	0.000	<u>J2</u>		14.0-149		02/06/2025 17:45	WG2446603
(S) 2-Fluorobiphenyl	86.2			34.0-125		02/06/2025 17:45	WG2446603

Sample Narrative:

L1822303-14 WG2446603: Surrogate failure due to matrix interference.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	72.5		1	02/03/2025 15:01	WG2444736

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	627		8.48	25.0	250	02/10/2025 13:55	WG2448983
(S) a,a,a-Trifluorotoluene(FID)	114			77.0-120		02/10/2025 13:55	WG2448983

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.00374	0.00800	8	02/10/2025 15:03	WG2448993
1,2-Dibromoethane	U		0.00518	0.0200	8	02/10/2025 15:03	WG2448993
1,2-Dichloroethane	U		0.00519	0.0200	8	02/10/2025 15:03	WG2448993
Ethylbenzene	0.739		0.00590	0.0200	8	02/10/2025 15:03	WG2448993
Isopropylbenzene	0.465		0.00340	0.0200	8	02/10/2025 15:03	WG2448993
Methyl tert-butyl ether	U		0.00280	0.00800	8	02/10/2025 15:03	WG2448993
Naphthalene	0.210		0.0390	0.100	8	02/10/2025 15:03	WG2448993
n-Propylbenzene	1.71		0.00760	0.0400	8	02/10/2025 15:03	WG2448993
Toluene	U		0.0104	0.0400	8	02/10/2025 15:03	WG2448993
1,2,4-Trimethylbenzene	0.133		0.0126	0.0400	8	02/10/2025 15:03	WG2448993
1,3,5-Trimethylbenzene	0.0946		0.0160	0.0400	8	02/10/2025 15:03	WG2448993
Xylenes, Total	0.186		0.00704	0.0520	8	02/10/2025 15:03	WG2448993
(S) Toluene-d8	96.8			75.0-131		02/10/2025 15:03	WG2448993
(S) 4-Bromofluorobenzene	103			67.0-138		02/10/2025 15:03	WG2448993
(S) 1,2-Dichloroethane-d4	112			70.0-130		02/10/2025 15:03	WG2448993

Sample Narrative:

L1822303-15 WG2448993: Non-target compounds too high to run at a lower dilution.

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	42.2		1.33	4.00	1	02/07/2025 02:26	WG2447174
(S) o-Terphenyl	64.6			18.0-148		02/07/2025 02:26	WG2447174

Sample Narrative:

L1822303-15 WG2447174: Sample resembles laboratory standard for Kerosene.

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.00230	0.00600	1	02/06/2025 18:03	WG2446603
Acenaphthene	0.0150		0.00209	0.00600	1	02/06/2025 18:03	WG2446603
Benzo(a)anthracene	0.00260	J	0.00173	0.00600	1	02/06/2025 18:03	WG2446603
Benzo(a)pyrene	U		0.00179	0.00600	1	02/06/2025 18:03	WG2446603
Benzo(b)fluoranthene	U		0.00153	0.00600	1	02/06/2025 18:03	WG2446603
Benzo(k)fluoranthene	U		0.00215	0.00600	1	02/06/2025 18:03	WG2446603
Chrysene	U		0.00232	0.00600	1	02/06/2025 18:03	WG2446603
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	02/06/2025 18:03	WG2446603
Fluoranthene	0.00379	J	0.00227	0.00600	1	02/06/2025 18:03	WG2446603
Fluorene	0.00906		0.00205	0.00600	1	02/06/2025 18:03	WG2446603
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	02/06/2025 18:03	WG2446603



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
Naphthalene	0.225		0.00408	0.0200	1	02/06/2025 18:03	WG2446603
Pyrene	0.00357	<u>J</u>	0.00200	0.00600	1	02/06/2025 18:03	WG2446603
(S) p-Terphenyl-d14	74.1			23.0-120		02/06/2025 18:03	WG2446603
(S) Nitrobenzene-d5	0.000	<u>J2</u>		14.0-149		02/06/2025 18:03	WG2446603
(S) 2-Fluorobiphenyl	87.7			34.0-125		02/06/2025 18:03	WG2446603

Sample Narrative:

L1822303-15 WG2446603: Surrogate failure due to matrix interference.

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	78.6		1	02/03/2025 15:01	WG2444736

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		0.848	2.50	25	02/09/2025 18:56	WG2448708
(S) a,a,a-Trifluorotoluene(FID)	117			77.0-120		02/09/2025 18:56	WG2448708

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

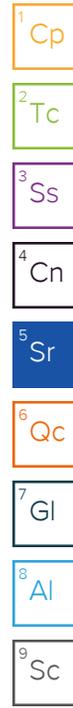
Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	02/10/2025 15:22	WG2448993
1,2-Dibromoethane	U		0.000648	0.00250	1	02/10/2025 15:22	WG2448993
1,2-Dichloroethane	U		0.000649	0.00250	1	02/10/2025 15:22	WG2448993
Ethylbenzene	U		0.000737	0.00250	1	02/10/2025 15:22	WG2448993
Isopropylbenzene	U		0.000425	0.00250	1	02/10/2025 15:22	WG2448993
Methyl tert-butyl ether	U		0.000350	0.00100	1	02/10/2025 15:22	WG2448993
Naphthalene	U		0.00488	0.0125	1	02/10/2025 15:22	WG2448993
n-Propylbenzene	0.000968	J	0.000950	0.00500	1	02/10/2025 15:22	WG2448993
Toluene	U		0.00130	0.00500	1	02/10/2025 15:22	WG2448993
1,2,4-Trimethylbenzene	0.00166	J	0.00158	0.00500	1	02/10/2025 15:22	WG2448993
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	02/10/2025 15:22	WG2448993
Xylenes, Total	0.00119	J	0.000880	0.00650	1	02/10/2025 15:22	WG2448993
(S) Toluene-d8	94.4			75.0-131		02/10/2025 15:22	WG2448993
(S) 4-Bromofluorobenzene	104			67.0-138		02/10/2025 15:22	WG2448993
(S) 1,2-Dichloroethane-d4	105			70.0-130		02/10/2025 15:22	WG2448993

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		1.33	4.00	1	02/07/2025 15:43	WG2447550
(S) o-Terphenyl	64.5			18.0-148		02/07/2025 15:43	WG2447550

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
Anthracene	U		0.00230	0.00600	1	02/06/2025 18:21	WG2446603
Acenaphthene	U		0.00209	0.00600	1	02/06/2025 18:21	WG2446603
Benzo(a)anthracene	U		0.00173	0.00600	1	02/06/2025 18:21	WG2446603
Benzo(a)pyrene	U		0.00179	0.00600	1	02/06/2025 18:21	WG2446603
Benzo(b)fluoranthene	U		0.00153	0.00600	1	02/06/2025 18:21	WG2446603
Benzo(k)fluoranthene	U		0.00215	0.00600	1	02/06/2025 18:21	WG2446603
Chrysene	U		0.00232	0.00600	1	02/06/2025 18:21	WG2446603
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	02/06/2025 18:21	WG2446603
Fluoranthene	U		0.00227	0.00600	1	02/06/2025 18:21	WG2446603
Fluorene	U		0.00205	0.00600	1	02/06/2025 18:21	WG2446603
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	02/06/2025 18:21	WG2446603
Naphthalene	U		0.00408	0.0200	1	02/06/2025 18:21	WG2446603
Pyrene	U		0.00200	0.00600	1	02/06/2025 18:21	WG2446603
(S) p-Terphenyl-d14	76.4			23.0-120		02/06/2025 18:21	WG2446603
(S) Nitrobenzene-d5	72.7			14.0-149		02/06/2025 18:21	WG2446603
(S) 2-Fluorobiphenyl	85.4			34.0-125		02/06/2025 18:21	WG2446603



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	73.1		1	02/03/2025 15:01	WG2444736

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		0.848	2.50	25	02/05/2025 17:02	WG2446309
(S) a,a,a-Trifluorotoluene(FID)	96.1			77.0-120		02/05/2025 17:02	WG2446309

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000467	0.00100	1	02/05/2025 17:28	WG2445859
1,2-Dibromoethane	U		0.000648	0.00250	1	02/05/2025 17:28	WG2445859
1,2-Dichloroethane	U		0.000649	0.00250	1	02/05/2025 17:28	WG2445859
Ethylbenzene	U		0.000737	0.00250	1	02/10/2025 15:41	WG2448993
Isopropylbenzene	U		0.000425	0.00250	1	02/05/2025 17:28	WG2445859
Methyl tert-butyl ether	U		0.000350	0.00100	1	02/05/2025 17:28	WG2445859
Naphthalene	U	C3 J4	0.00488	0.0125	1	02/05/2025 17:28	WG2445859
n-Propylbenzene	U		0.000950	0.00500	1	02/10/2025 15:41	WG2448993
Toluene	U		0.00130	0.00500	1	02/05/2025 17:28	WG2445859
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	02/05/2025 17:28	WG2445859
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	02/05/2025 17:28	WG2445859
Xylenes, Total	U		0.000880	0.00650	1	02/05/2025 17:28	WG2445859
(S) Toluene-d8	96.7			75.0-131		02/05/2025 17:28	WG2445859
(S) Toluene-d8	94.8			75.0-131		02/10/2025 15:41	WG2448993
(S) 4-Bromofluorobenzene	95.5			67.0-138		02/05/2025 17:28	WG2445859
(S) 4-Bromofluorobenzene	102			67.0-138		02/10/2025 15:41	WG2448993
(S) 1,2-Dichloroethane-d4	109			70.0-130		02/05/2025 17:28	WG2445859
(S) 1,2-Dichloroethane-d4	104			70.0-130		02/10/2025 15:41	WG2448993

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	U		1.33	4.00	1	02/07/2025 15:56	WG2447550
(S) o-Terphenyl	68.0			18.0-148		02/07/2025 15:56	WG2447550

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.00230	0.00600	1	02/06/2025 18:38	WG2446603
Acenaphthene	U		0.00209	0.00600	1	02/06/2025 18:38	WG2446603
Benzo(a)anthracene	U		0.00173	0.00600	1	02/06/2025 18:38	WG2446603
Benzo(a)pyrene	U		0.00179	0.00600	1	02/06/2025 18:38	WG2446603
Benzo(b)fluoranthene	U		0.00153	0.00600	1	02/06/2025 18:38	WG2446603
Benzo(k)fluoranthene	U		0.00215	0.00600	1	02/06/2025 18:38	WG2446603
Chrysene	U		0.00232	0.00600	1	02/06/2025 18:38	WG2446603
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	02/06/2025 18:38	WG2446603
Fluoranthene	U		0.00227	0.00600	1	02/06/2025 18:38	WG2446603
Fluorene	U		0.00205	0.00600	1	02/06/2025 18:38	WG2446603
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	02/06/2025 18:38	WG2446603
Naphthalene	U		0.00408	0.0200	1	02/06/2025 18:38	WG2446603
Pyrene	U		0.00200	0.00600	1	02/06/2025 18:38	WG2446603
(S) p-Terphenyl-d14	74.9			23.0-120		02/06/2025 18:38	WG2446603



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
(S) Nitrobenzene-d5	66.4			14.0-149		02/06/2025 18:38	WG2446603
(S) 2-Fluorobiphenyl	87.5			34.0-125		02/06/2025 18:38	WG2446603

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	74.0		1	02/03/2025 15:01	WG2444736

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	60.9		0.848	2.50	25	02/05/2025 15:23	WG2446471
(S) a,a,a-Trifluorotoluene(FID)	99.5			77.0-120		02/05/2025 15:23	WG2446471

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000467	0.00100	1	02/05/2025 17:48	WG2445859
1,2-Dibromoethane	U		0.000648	0.00250	1	02/05/2025 17:48	WG2445859
1,2-Dichloroethane	U		0.000649	0.00250	1	02/05/2025 17:48	WG2445859
Ethylbenzene	0.00152	J	0.000737	0.00250	1	02/05/2025 17:48	WG2445859
Isopropylbenzene	0.00900		0.000425	0.00250	1	02/05/2025 17:48	WG2445859
Methyl tert-butyl ether	U		0.000350	0.00100	1	02/05/2025 17:48	WG2445859
Naphthalene	U	C3 J4	0.00488	0.0125	1	02/05/2025 17:48	WG2445859
n-Propylbenzene	0.0173		0.000950	0.00500	1	02/05/2025 17:48	WG2445859
Toluene	U		0.00130	0.00500	1	02/05/2025 17:48	WG2445859
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	02/05/2025 17:48	WG2445859
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	02/05/2025 17:48	WG2445859
Xylenes, Total	0.000960	J	0.000880	0.00650	1	02/05/2025 17:48	WG2445859
(S) Toluene-d8	91.7			75.0-131		02/05/2025 17:48	WG2445859
(S) 4-Bromofluorobenzene	96.6			67.0-138		02/05/2025 17:48	WG2445859
(S) 1,2-Dichloroethane-d4	109			70.0-130		02/05/2025 17:48	WG2445859

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	9.72		1.33	4.00	1	02/07/2025 16:09	WG2447550
(S) o-Terphenyl	72.1			18.0-148		02/07/2025 16:09	WG2447550

Sample Narrative:

L1822303-18 WG2447550: Sample resembles laboratory standard for Kerosene.

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.00230	0.00600	1	02/06/2025 18:56	WG2446603
Acenaphthene	U		0.00209	0.00600	1	02/06/2025 18:56	WG2446603
Benzo(a)anthracene	U		0.00173	0.00600	1	02/06/2025 18:56	WG2446603
Benzo(a)pyrene	U		0.00179	0.00600	1	02/06/2025 18:56	WG2446603
Benzo(b)fluoranthene	U		0.00153	0.00600	1	02/06/2025 18:56	WG2446603
Benzo(k)fluoranthene	U		0.00215	0.00600	1	02/06/2025 18:56	WG2446603
Chrysene	U		0.00232	0.00600	1	02/06/2025 18:56	WG2446603
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	02/06/2025 18:56	WG2446603
Fluoranthene	U		0.00227	0.00600	1	02/06/2025 18:56	WG2446603
Fluorene	U		0.00205	0.00600	1	02/06/2025 18:56	WG2446603
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	02/06/2025 18:56	WG2446603
Naphthalene	U		0.00408	0.0200	1	02/06/2025 18:56	WG2446603
Pyrene	U		0.00200	0.00600	1	02/06/2025 18:56	WG2446603
(S) p-Terphenyl-d14	54.2			23.0-120		02/06/2025 18:56	WG2446603



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
(S) Nitrobenzene-d5	57.3			14.0-149		02/06/2025 18:56	WG2446603
(S) 2-Fluorobiphenyl	63.8			34.0-125		02/06/2025 18:56	WG2446603

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.7		1	02/03/2025 15:01	WG2444736

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1730		16.9	50.0	500	02/06/2025 17:32	WG2447220
(S) a,a,a-Trifluorotoluene(FID)	111			77.0-120		02/06/2025 17:32	WG2447220

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	0.00756	J	0.00467	0.0100	10	02/10/2025 15:59	WG2448993
1,2-Dibromoethane	U		0.00648	0.0250	10	02/10/2025 15:59	WG2448993
1,2-Dichloroethane	U		0.00649	0.0250	10	02/10/2025 15:59	WG2448993
Ethylbenzene	16.0		0.00737	0.0250	10	02/10/2025 15:59	WG2448993
Isopropylbenzene	1.21		0.00425	0.0250	10	02/10/2025 15:59	WG2448993
Methyl tert-butyl ether	U		0.00350	0.0100	10	02/10/2025 15:59	WG2448993
Naphthalene	3.46		0.0488	0.125	10	02/10/2025 15:59	WG2448993
n-Propylbenzene	4.96		0.00950	0.0500	10	02/10/2025 15:59	WG2448993
Toluene	U		0.0130	0.0500	10	02/10/2025 15:59	WG2448993
1,2,4-Trimethylbenzene	17.7		0.0632	0.200	40	02/11/2025 12:36	WG2449279
1,3,5-Trimethylbenzene	3.38		0.0200	0.0500	10	02/10/2025 15:59	WG2448993
Xylenes, Total	6.00		0.00880	0.0650	10	02/10/2025 15:59	WG2448993
(S) Toluene-d8	98.8			75.0-131		02/10/2025 15:59	WG2448993
(S) Toluene-d8	97.6			75.0-131		02/11/2025 12:36	WG2449279
(S) 4-Bromofluorobenzene	105			67.0-138		02/10/2025 15:59	WG2448993
(S) 4-Bromofluorobenzene	105			67.0-138		02/11/2025 12:36	WG2449279
(S) 1,2-Dichloroethane-d4	106			70.0-130		02/10/2025 15:59	WG2448993
(S) 1,2-Dichloroethane-d4	104			70.0-130		02/11/2025 12:36	WG2449279

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	23.2		1.33	4.00	1	02/07/2025 16:22	WG2447550
(S) o-Terphenyl	73.6			18.0-148		02/07/2025 16:22	WG2447550

Sample Narrative:

L1822303-19 WG2447550: Sample resembles laboratory standard for Kerosene.

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.00230	0.00600	1	02/06/2025 19:14	WG2446603
Acenaphthene	U		0.00209	0.00600	1	02/06/2025 19:14	WG2446603
Benzo(a)anthracene	U		0.00173	0.00600	1	02/06/2025 19:14	WG2446603
Benzo(a)pyrene	U		0.00179	0.00600	1	02/06/2025 19:14	WG2446603
Benzo(b)fluoranthene	U		0.00153	0.00600	1	02/06/2025 19:14	WG2446603
Benzo(k)fluoranthene	U		0.00215	0.00600	1	02/06/2025 19:14	WG2446603
Chrysene	U		0.00232	0.00600	1	02/06/2025 19:14	WG2446603
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	02/06/2025 19:14	WG2446603
Fluoranthene	U		0.00227	0.00600	1	02/06/2025 19:14	WG2446603
Fluorene	U		0.00205	0.00600	1	02/06/2025 19:14	WG2446603
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	02/06/2025 19:14	WG2446603



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
Naphthalene	0.637		0.00408	0.0200	1	02/06/2025 19:14	WG2446603
Pyrene	U		0.00200	0.00600	1	02/06/2025 19:14	WG2446603
<i>(S)</i> p-Terphenyl-d14	64.3			23.0-120		02/06/2025 19:14	WG2446603
<i>(S)</i> Nitrobenzene-d5	74.9			14.0-149		02/06/2025 19:14	WG2446603
<i>(S)</i> 2-Fluorobiphenyl	75.7			34.0-125		02/06/2025 19:14	WG2446603

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		0.0316	0.100	1	02/03/2025 01:32	WG2444658
(S) a,a,a-Trifluorotoluene(FID)	97.8			78.0-120		02/03/2025 01:32	WG2444658

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

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	02/03/2025 00:40	WG2444682
1,2-Dibromoethane	U		0.000126	0.00100	1	02/03/2025 00:40	WG2444682
1,2-Dichloroethane	U		0.0000819	0.00100	1	02/03/2025 00:40	WG2444682
Ethylbenzene	U		0.000137	0.00100	1	02/03/2025 00:40	WG2444682
Isopropylbenzene	U		0.000105	0.00100	1	02/03/2025 00:40	WG2444682
Methyl tert-butyl ether	U		0.000101	0.00100	1	02/03/2025 00:40	WG2444682
Naphthalene	U	<u>C3</u>	0.00100	0.00500	1	02/03/2025 00:40	WG2444682
n-Propylbenzene	U		0.0000993	0.00100	1	02/03/2025 00:40	WG2444682
Toluene	U		0.000278	0.00100	1	02/03/2025 00:40	WG2444682
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	02/03/2025 00:40	WG2444682
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	02/03/2025 00:40	WG2444682
Xylenes, Total	U		0.000174	0.00300	1	02/03/2025 00:40	WG2444682
(S) Toluene-d8	103			80.0-120		02/03/2025 00:40	WG2444682
(S) 4-Bromofluorobenzene	98.8			77.0-126		02/03/2025 00:40	WG2444682
(S) 1,2-Dichloroethane-d4	103			70.0-130		02/03/2025 00:40	WG2444682

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

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		0.0316	0.100	1	02/03/2025 01:54	WG2444658
(S) a,a,a-Trifluorotoluene(FID)	97.9			78.0-120		02/03/2025 01:54	WG2444658

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

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	02/03/2025 01:00	WG2444682
1,2-Dibromoethane	U		0.000126	0.00100	1	02/03/2025 01:00	WG2444682
1,2-Dichloroethane	U		0.0000819	0.00100	1	02/03/2025 01:00	WG2444682
Ethylbenzene	U		0.000137	0.00100	1	02/03/2025 01:00	WG2444682
Isopropylbenzene	U		0.000105	0.00100	1	02/03/2025 01:00	WG2444682
Methyl tert-butyl ether	U		0.000101	0.00100	1	02/03/2025 01:00	WG2444682
Naphthalene	U	<u>C3</u>	0.00100	0.00500	1	02/03/2025 01:00	WG2444682
n-Propylbenzene	U		0.0000993	0.00100	1	02/03/2025 01:00	WG2444682
Toluene	U		0.000278	0.00100	1	02/03/2025 01:00	WG2444682
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	02/03/2025 01:00	WG2444682
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	02/03/2025 01:00	WG2444682
Xylenes, Total	U		0.000174	0.00300	1	02/03/2025 01:00	WG2444682
(S) Toluene-d8	101			80.0-120		02/03/2025 01:00	WG2444682
(S) 4-Bromofluorobenzene	97.7			77.0-126		02/03/2025 01:00	WG2444682
(S) 1,2-Dichloroethane-d4	108			70.0-130		02/03/2025 01:00	WG2444682

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4173076-1 02/03/25 15:08

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000			

1 Cp

2 Tc

3 Ss

L1822303-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1822303-03 02/03/25 15:08 • (DUP) R4173076-3 02/03/25 15:08

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	79.6	79.7	1	0.190		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4173076-2 02/03/25 15:08

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	90.0-110	

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4173072-1 02/03/25 15:01

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000			

1 Cp

2 Tc

3 Ss

L1822303-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1822303-13 02/03/25 15:01 • (DUP) R4173072-3 02/03/25 15:01

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	76.4	75.7	1	0.914		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4173072-2 02/03/25 15:01

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	90.0-110	

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4172757-3 02/02/25 21:31

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Gasoline Range Organics-NWTPH	U		0.0316	0.100
(S) a,a,a-Trifluorotoluene(FID)	99.6			78.0-120

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

(LCS) R4172757-1 02/02/25 20:08 • (LCSD) R4172757-2 02/02/25 20:47

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 %
Gasoline Range Organics-NWTPH	5.00	4.53	4.53	90.6	90.6	70.0-124			0.000	20
(S) a,a,a-Trifluorotoluene(FID)				103	103	78.0-120				

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

Method Blank (MB)

(MB) R4173526-3 02/04/25 12:55

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	U		0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	101			77.0-120

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

(LCS) R4173526-1 02/04/25 10:44 • (LCSD) R4173526-2 02/04/25 11:03

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 %
Gasoline Range Organics-NWTPH	5.00	5.64	4.88	113	97.6	71.0-124			14.4	20
(S) a,a,a-Trifluorotoluene(FID)				108	107	77.0-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4173620-3 02/05/25 11:46

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	0.903	J	0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	102			77.0-120

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

(LCS) R4173620-1 02/05/25 09:42 • (LCSD) R4173620-2 02/05/25 10:06

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 %
Gasoline Range Organics-NWTPH	5.00	5.24	5.96	105	119	71.0-124			12.9	20
(S) a,a,a-Trifluorotoluene(FID)				104	104	77.0-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4174305-2 02/05/25 11:09

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	U		0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	94.9			77.0-120

Laboratory Control Sample (LCS)

(LCS) R4174305-1 02/05/25 10:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5.00	5.26	105	71.0-124	
(S) a,a,a-Trifluorotoluene(FID)			98.2	77.0-120	

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

Method Blank (MB)

(MB) R4174052-3 02/05/25 11:46

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	0.903	J	0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	102			77.0-120

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

(LCS) R4174052-1 02/05/25 09:42 • (LCSD) R4174052-2 02/05/25 10:06

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 %
Gasoline Range Organics-NWTPH	5.00	5.24	5.96	105	119	71.0-124			12.9	20
(S) a,a,a-Trifluorotoluene(FID)				104	104	77.0-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4175006-2 02/06/25 15:37

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	U		0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	100			77.0-120

Laboratory Control Sample (LCS)

(LCS) R4175006-1 02/06/25 14:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5.00	5.03	101	71.0-124	
(S) a,a,a-Trifluorotoluene(FID)			103	77.0-120	

L1822312-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1822312-04 02/06/25 16:53 • (MS) R4175006-3 02/06/25 17:51 • (MSD) R4175006-4 02/06/25 18:11

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 %
Gasoline Range Organics-NWTPH	164	U	162	138	98.8	84.1	32.8	50.0-150			16.0	27
(S) a,a,a-Trifluorotoluene(FID)					106	107		77.0-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4174737-3 02/08/25 14:53

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	U		0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	98.6			77.0-120

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

(LCS) R4174737-1 02/08/25 13:19 • (LCSD) R4174737-2 02/08/25 13:43

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 %
Gasoline Range Organics-NWTPH	5.00	5.07	5.33	101	107	71.0-124			5.00	20
(S) a,a,a-Trifluorotoluene(FID)				108	110	77.0-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4174867-2 02/09/25 17:36

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	1.02	<u>J</u>	0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	112			77.0-120

Laboratory Control Sample (LCS)

(LCS) R4174867-1 02/09/25 16:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5.00	5.35	107	71.0-124	
(S) a,a,a-Trifluorotoluene(FID)			117	77.0-120	

L1822303-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1822303-08 02/09/25 18:37 • (MS) R4174867-3 02/09/25 19:35 • (MSD) R4174867-4 02/09/25 19:55

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 %
Gasoline Range Organics-NWTPH	109	5.18	114	189	99.8	169	25	50.0-150		<u>J3 J5</u>	49.5	27
(S) a,a,a-Trifluorotoluene(FID)					123	130		77.0-120	<u>J1</u>	<u>J1</u>		

Sample Narrative:

MS: Surrogate failure due to matrix interference.

MSD: Surrogate failure due to matrix interference.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4175021-2 02/10/25 12:08

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	U		0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	110			77.0-120

Laboratory Control Sample (LCS)

(LCS) R4175021-1 02/10/25 11:10

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5.00	4.07	81.4	71.0-124	
(S) a,a,a-Trifluorotoluene(FID)			103	77.0-120	

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

Method Blank (MB)

(MB) R4173786-2 02/02/25 21:22

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
1,2-Dibromoethane	U		0.000126	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Toluene	U		0.000278	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	105			80.0-120
(S) 4-Bromofluorobenzene	97.2			77.0-126
(S) 1,2-Dichloroethane-d4	99.1			70.0-130

Laboratory Control Sample (LCS)

(LCS) R4173786-1 02/02/25 20:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.00500	0.00424	84.8	70.0-123	
1,2-Dibromoethane	0.00500	0.00468	93.6	80.0-122	
1,2-Dichloroethane	0.00500	0.00435	87.0	70.0-128	
Ethylbenzene	0.00500	0.00473	94.6	79.0-123	
Isopropylbenzene	0.00500	0.00478	95.6	76.0-127	
Methyl tert-butyl ether	0.00500	0.00444	88.8	68.0-125	
Naphthalene	0.00500	0.00329	65.8	54.0-135	J
n-Propylbenzene	0.00500	0.00505	101	77.0-124	
Toluene	0.00500	0.00481	96.2	79.0-120	
1,2,4-Trimethylbenzene	0.00500	0.00527	105	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00510	102	76.0-122	
Xylenes, Total	0.0150	0.0149	99.3	79.0-123	
(S) Toluene-d8			101	80.0-120	
(S) 4-Bromofluorobenzene			96.4	77.0-126	
(S) 1,2-Dichloroethane-d4			102	70.0-130	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4174871-2 02/05/25 11:04

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000467	0.00100
1,2-Dibromoethane	U		0.000648	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
Ethylbenzene	U		0.000737	0.00250
Isopropylbenzene	U		0.000425	0.00250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Toluene	U		0.00130	0.00500
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	99.2			75.0-131
(S) 4-Bromofluorobenzene	101			67.0-138
(S) 1,2-Dichloroethane-d4	99.9			70.0-130

Laboratory Control Sample (LCS)

(LCS) R4174871-1 02/05/25 09:45

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.125	0.115	92.0	70.0-123	
1,2-Dibromoethane	0.125	0.111	88.8	74.0-128	
1,2-Dichloroethane	0.125	0.117	93.6	65.0-131	
Ethylbenzene	0.125	0.117	93.6	74.0-126	
Isopropylbenzene	0.125	0.118	94.4	72.0-127	
Methyl tert-butyl ether	0.125	0.116	92.8	66.0-132	
Naphthalene	0.125	0.0713	57.0	59.0-130	J4
n-Propylbenzene	0.125	0.117	93.6	74.0-126	
Toluene	0.125	0.118	94.4	75.0-121	
1,2,4-Trimethylbenzene	0.125	0.119	95.2	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.116	92.8	73.0-127	
Xylenes, Total	0.375	0.355	94.7	72.0-127	
(S) Toluene-d8			99.2	75.0-131	
(S) 4-Bromofluorobenzene			99.3	67.0-138	
(S) 1,2-Dichloroethane-d4			104	70.0-130	

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L1822303-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1822303-08 02/05/25 15:09 • (MS) R4174871-3 02/05/25 19:07 • (MSD) R4174871-4 02/05/25 19:27

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	0.109	U	0.110	0.124	101	114	1	10.0-149			12.0	37
1,2-Dibromoethane	0.109	U	0.0949	0.0975	87.1	89.4	1	10.0-148			2.70	34
1,2-Dichloroethane	0.109	U	0.118	0.127	108	117	1	10.0-148			7.35	35
Ethylbenzene	0.109	0.000892	0.115	0.120	105	109	1	10.0-160			4.26	38
Isopropylbenzene	0.109	0.00964	0.124	0.134	105	114	1	10.0-155			7.75	38
Methyl tert-butyl ether	0.109	U	0.120	0.144	110	132	1	11.0-147			18.2	35
Naphthalene	0.109	U	0.0954	0.0754	87.5	69.2	1	10.0-160			23.4	36
n-Propylbenzene	0.109	0.0192	0.139	0.150	110	120	1	10.0-158			7.61	38
Toluene	0.109	U	0.111	0.118	102	108	1	10.0-156			6.11	38
1,2,4-Trimethylbenzene	0.109	U	0.126	0.122	116	112	1	10.0-160			3.23	36
1,3,5-Trimethylbenzene	0.109	U	0.118	0.123	108	113	1	10.0-160			4.15	38
Xylenes, Total	0.327	U	0.317	0.325	96.9	99.4	1	10.0-160			2.49	38
(S) Toluene-d8					97.8	95.1		75.0-131				
(S) 4-Bromofluorobenzene					97.2	96.6		67.0-138				
(S) 1,2-Dichloroethane-d4					111	113		70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4175143-3 02/10/25 11:22

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000467	0.00100
1,2-Dibromoethane	U		0.000648	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
Ethylbenzene	U		0.000737	0.00250
Isopropylbenzene	U		0.000425	0.00250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Toluene	U		0.00130	0.00500
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	94.1			75.0-131
(S) 4-Bromofluorobenzene	106			67.0-138
(S) 1,2-Dichloroethane-d4	110			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) R4175143-1 02/10/25 09:47 • (LCSD) R4175143-2 02/10/25 10:06

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	0.108	0.105	86.4	84.0	70.0-123			2.82	20
1,2-Dibromoethane	0.125	0.119	0.119	95.2	95.2	74.0-128			0.000	20
1,2-Dichloroethane	0.125	0.124	0.120	99.2	96.0	65.0-131			3.28	20
Ethylbenzene	0.125	0.112	0.112	89.6	89.6	74.0-126			0.000	20
Isopropylbenzene	0.125	0.117	0.115	93.6	92.0	72.0-127			1.72	20
Methyl tert-butyl ether	0.125	0.127	0.118	102	94.4	66.0-132			7.35	20
Naphthalene	0.125	0.141	0.121	113	96.8	59.0-130			15.3	20
n-Propylbenzene	0.125	0.118	0.115	94.4	92.0	74.0-126			2.58	20
Toluene	0.125	0.106	0.102	84.8	81.6	75.0-121			3.85	20
1,2,4-Trimethylbenzene	0.125	0.119	0.114	95.2	91.2	70.0-126			4.29	20
1,3,5-Trimethylbenzene	0.125	0.111	0.112	88.8	89.6	73.0-127			0.897	20
Xylenes, Total	0.375	0.354	0.337	94.4	89.9	72.0-127			4.92	20
(S) Toluene-d8				92.9	94.8	75.0-131				
(S) 4-Bromofluorobenzene				104	103	67.0-138				
(S) 1,2-Dichloroethane-d4				110	110	70.0-130				

Method Blank (MB)

(MB) R4175448-3 02/11/25 10:56

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
1,2,4-Trimethylbenzene	U		0.00158	0.00500
(S) Toluene-d8	96.1			75.0-131
(S) 4-Bromofluorobenzene	106			67.0-138
(S) 1,2-Dichloroethane-d4	103			70.0-130

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

(LCS) R4175448-1 02/11/25 09:21 • (LCSD) R4175448-2 02/11/25 09:40

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 %
1,2,4-Trimethylbenzene	0.125	0.124	0.121	99.2	96.8	70.0-126			2.45	20
(S) Toluene-d8				94.8	96.2	75.0-131				
(S) 4-Bromofluorobenzene				97.2	99.5	67.0-138				
(S) 1,2-Dichloroethane-d4				105	107	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4174569-1 02/07/25 01:03

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Diesel Range Organics (DRO)	U		1.33	4.00
<i>(S) o-Terphenyl</i>	84.7			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4174569-2 02/07/25 01:18

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Diesel Range Organics (DRO)	50.0	47.5	95.0	50.0-150	
<i>(S) o-Terphenyl</i>			89.8	18.0-148	

L1822303-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1822303-08 02/07/25 02:09 • (MS) R4174569-3 02/07/25 02:26 • (MSD) R4174569-4 02/07/25 02:43

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Diesel Range Organics (DRO)	50.0	8.44	42.0	44.0	67.1	71.5	1	50.0-150			4.65	20
<i>(S) o-Terphenyl</i>					83.5	88.1		18.0-148				

Sample Narrative:

OS: Sample resembles laboratory standards for Gasoline and Hydraulic Oil.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4174583-1 02/07/25 15:17

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diesel Range Organics (DRO)	U		1.33	4.00
<i>(S) o-Terphenyl</i>	82.7			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4174583-2 02/07/25 15:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Diesel Range Organics (DRO)	50.0	45.1	90.2	50.0-150	
<i>(S) o-Terphenyl</i>			87.4	18.0-148	

L1822560-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1822560-03 02/07/25 17:14 • (MS) R4174583-3 02/07/25 17:27 • (MSD) R4174583-4 02/07/25 17:40

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 %
Diesel Range Organics (DRO)	49.8	U	42.4	44.6	85.1	89.6	1	50.0-150			5.06	20
<i>(S) o-Terphenyl</i>					75.8	77.9		18.0-148				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4173552-2 02/04/25 18:43

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.00230	0.00600
Acenaphthene	U		0.00209	0.00600
Benzo(a)anthracene	U		0.00173	0.00600
Benzo(a)pyrene	U		0.00179	0.00600
Benzo(b)fluoranthene	U		0.00153	0.00600
Benzo(k)fluoranthene	U		0.00215	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
Naphthalene	U		0.00408	0.0200
Pyrene	U		0.00200	0.00600
(S) p-Terphenyl-d14	87.4			23.0-120
(S) Nitrobenzene-d5	88.6			14.0-149
(S) 2-Fluorobiphenyl	89.6			34.0-125

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4173552-1 02/04/25 18:26

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0741	92.6	50.0-126	
Acenaphthene	0.0800	0.0725	90.6	50.0-120	
Benzo(a)anthracene	0.0800	0.0747	93.4	45.0-120	
Benzo(a)pyrene	0.0800	0.0727	90.9	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0791	98.9	42.0-121	
Benzo(k)fluoranthene	0.0800	0.0766	95.8	49.0-125	
Chrysene	0.0800	0.0794	99.3	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0777	97.1	47.0-125	
Fluoranthene	0.0800	0.0787	98.4	49.0-129	
Fluorene	0.0800	0.0778	97.3	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0751	93.9	46.0-125	
Naphthalene	0.0800	0.0753	94.1	50.0-120	
Pyrene	0.0800	0.0799	99.9	43.0-123	
(S) p-Terphenyl-d14			93.2	23.0-120	
(S) Nitrobenzene-d5			95.4	14.0-149	
(S) 2-Fluorobiphenyl			98.2	34.0-125	

L1822303-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1822303-08 02/05/25 22:08 • (MS) R4174593-1 02/05/25 22:25 • (MSD) R4174593-2 02/05/25 22:42

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.0776	U	0.0687	0.0721	88.5	92.0	1	10.0-145			4.83	30
Acenaphthene	0.0776	0.00429	0.0696	0.0717	84.2	86.0	1	14.0-127			2.97	27
Benzo(a)anthracene	0.0776	U	0.0669	0.0710	86.2	90.6	1	10.0-139			5.95	30
Benzo(a)pyrene	0.0776	U	0.0637	0.0680	82.1	86.7	1	10.0-141			6.53	31
Benzo(b)fluoranthene	0.0776	U	0.0612	0.0654	78.9	83.4	1	10.0-140			6.64	36
Benzo(k)fluoranthene	0.0776	U	0.0581	0.0634	74.9	80.9	1	10.0-137			8.72	31
Chrysene	0.0776	U	0.0683	0.0738	88.0	94.1	1	10.0-145			7.74	30
Dibenz(a,h)anthracene	0.0776	U	0.0740	0.0674	95.4	86.0	1	10.0-132			9.34	31
Fluoranthene	0.0776	U	0.0684	0.0827	88.1	105	1	10.0-153			18.9	33
Fluorene	0.0776	0.00214	0.0814	0.0732	102	90.6	1	11.0-130			10.6	29
Indeno(1,2,3-cd)pyrene	0.0776	U	0.0752	0.0668	96.9	85.2	1	10.0-137			11.8	32
Naphthalene	0.0776	U	0.0945	0.0816	122	104	1	10.0-135			14.7	27
Pyrene	0.0776	U	0.0746	0.0907	96.1	116	1	10.0-148			19.5	35
(S) p-Terphenyl-d14					89.6	107		23.0-120				
(S) Nitrobenzene-d5					98.0	89.1		14.0-149				
(S) 2-Fluorobiphenyl					86.7	89.8		34.0-125				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4174114-2 02/06/25 12:44

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.00230	0.00600
Acenaphthene	U		0.00209	0.00600
Benzo(a)anthracene	U		0.00173	0.00600
Benzo(a)pyrene	U		0.00179	0.00600
Benzo(b)fluoranthene	U		0.00153	0.00600
Benzo(k)fluoranthene	U		0.00215	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
Naphthalene	U		0.00408	0.0200
Pyrene	U		0.00200	0.00600
(S) p-Terphenyl-d14	83.6			23.0-120
(S) Nitrobenzene-d5	79.0			14.0-149
(S) 2-Fluorobiphenyl	94.6			34.0-125

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R4174114-1 02/06/25 12:26

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0694	86.8	50.0-126	
Acenaphthene	0.0800	0.0671	83.9	50.0-120	
Benzo(a)anthracene	0.0800	0.0670	83.8	45.0-120	
Benzo(a)pyrene	0.0800	0.0602	75.3	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0685	85.6	42.0-121	
Benzo(k)fluoranthene	0.0800	0.0653	81.6	49.0-125	
Chrysene	0.0800	0.0717	89.6	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0747	93.4	47.0-125	
Fluoranthene	0.0800	0.0781	97.6	49.0-129	
Fluorene	0.0800	0.0736	92.0	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0690	86.3	46.0-125	
Naphthalene	0.0800	0.0660	82.5	50.0-120	
Pyrene	0.0800	0.0632	79.0	43.0-123	
(S) p-Terphenyl-d14			86.2	23.0-120	
(S) Nitrobenzene-d5			80.6	14.0-149	
(S) 2-Fluorobiphenyl			97.0	34.0-125	

L1823142-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1823142-07 02/06/25 15:06 • (MS) R4174114-3 02/06/25 15:23 • (MSD) R4174114-4 02/06/25 15:41

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.0776	U	0.0640	0.0703	82.5	90.6	1	10.0-145			9.38	30
Acenaphthene	0.0776	U	0.0609	0.0665	78.5	85.7	1	14.0-127			8.79	27
Benzo(a)anthracene	0.0776	U	0.0609	0.0638	78.5	82.2	1	10.0-139			4.65	30
Benzo(a)pyrene	0.0776	U	0.0577	0.0617	74.4	79.5	1	10.0-141			6.70	31
Benzo(b)fluoranthene	0.0776	U	0.0594	0.0634	76.5	81.7	1	10.0-140			6.51	36
Benzo(k)fluoranthene	0.0776	U	0.0578	0.0647	74.5	83.4	1	10.0-137			11.3	31
Chrysene	0.0776	U	0.0654	0.0709	84.3	91.4	1	10.0-145			8.07	30
Dibenz(a,h)anthracene	0.0776	U	0.0674	0.0727	86.9	93.7	1	10.0-132			7.57	31
Fluoranthene	0.0776	U	0.0721	0.0787	92.9	101	1	10.0-153			8.75	33
Fluorene	0.0776	U	0.0685	0.0728	88.3	93.8	1	11.0-130			6.09	29
Indeno(1,2,3-cd)pyrene	0.0776	U	0.0615	0.0671	79.3	86.5	1	10.0-137			8.71	32
Naphthalene	0.0776	U	0.0604	0.0640	77.8	82.5	1	10.0-135			5.79	27
Pyrene	0.0776	U	0.0567	0.0612	73.1	78.9	1	10.0-148			7.63	35
<i>(S) p-Terphenyl-d14</i>					78.1	84.4		23.0-120				
<i>(S) Nitrobenzene-d5</i>					76.4	77.6		14.0-149				
<i>(S) 2-Fluorobiphenyl</i>					90.1	96.9		34.0-125				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4175240-2 02/10/25 21:46

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.00230	0.00600
Acenaphthene	U		0.00209	0.00600
Benzo(a)anthracene	U		0.00173	0.00600
Benzo(a)pyrene	U		0.00179	0.00600
Benzo(b)fluoranthene	U		0.00153	0.00600
Benzo(k)fluoranthene	U		0.00215	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
Naphthalene	U		0.00408	0.0200
Pyrene	U		0.00200	0.00600
(S) p-Terphenyl-d14	102			23.0-120
(S) Nitrobenzene-d5	106			14.0-149
(S) 2-Fluorobiphenyl	109			34.0-125

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R4175240-1 02/10/25 21:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0839	105	50.0-126	
Acenaphthene	0.0800	0.0766	95.8	50.0-120	
Benzo(a)anthracene	0.0800	0.0858	107	45.0-120	
Benzo(a)pyrene	0.0800	0.0739	92.4	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0794	99.3	42.0-121	
Benzo(k)fluoranthene	0.0800	0.0793	99.1	49.0-125	
Chrysene	0.0800	0.0902	113	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0883	110	47.0-125	
Fluoranthene	0.0800	0.0962	120	49.0-129	
Fluorene	0.0800	0.0847	106	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0858	107	46.0-125	
Naphthalene	0.0800	0.0727	90.9	50.0-120	
Pyrene	0.0800	0.0788	98.5	43.0-123	
(S) p-Terphenyl-d14			114	23.0-120	
(S) Nitrobenzene-d5			127	14.0-149	
(S) 2-Fluorobiphenyl			122	34.0-125	

L1823068-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1823068-02 02/12/25 01:04 • (MS) R4175707-1 02/12/25 01:21 • (MSD) R4175707-2 02/12/25 01:39

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.0776	0.0200	0.103	0.108	107	113	1	10.0-145			4.74	30
Acenaphthene	0.0776	U	0.0639	0.0714	82.3	91.5	1	14.0-127			11.1	27
Benzo(a)anthracene	0.0776	0.0494	0.137	0.123	113	94.4	1	10.0-139			10.8	30
Benzo(a)pyrene	0.0776	0.0569	0.120	0.106	81.3	62.9	1	10.0-141			12.4	31
Benzo(b)fluoranthene	0.0776	0.141	0.189	0.151	61.9	12.8	1	10.0-140			22.4	36
Benzo(k)fluoranthene	0.0776	0.0382	0.0934	0.0837	71.1	58.3	1	10.0-137			11.0	31
Chrysene	0.0776	0.0709	0.162	0.144	117	93.7	1	10.0-145			11.8	30
Dibenz(a,h)anthracene	0.0776	0.0192	0.0797	0.0776	78.0	74.9	1	10.0-132			2.67	31
Fluoranthene	0.0776	0.112	0.166	0.138	69.6	33.3	1	10.0-153			18.4	33
Fluorene	0.0776	0.00225	0.0810	0.0897	101	112	1	11.0-130			10.2	29
Indeno(1,2,3-cd)pyrene	0.0776	0.0985	0.158	0.121	76.7	28.8	1	10.0-137			26.5	32
Naphthalene	0.0776	0.0357	0.0983	0.0946	80.7	75.5	1	10.0-135			3.84	27
Pyrene	0.0776	0.0830	0.136	0.112	68.3	37.2	1	10.0-148			19.4	35
(S) p-Terphenyl-d14					98.9	108		23.0-120				
(S) Nitrobenzene-d5					102	113		14.0-149				
(S) 2-Fluorobiphenyl					97.3	107		34.0-125				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Company Name/Address:
Eastern Research Group Inc- Concord, MA

Billing Information:
 Accounts Payable
 561 Virginia Road Bldg. 4
 Suite 300
 Concord, MA 01742

561 Virginia Road Bldg. 4

Report to:
Sedrek Kovar

Email To:
 brook.mckeown@erg.com; sedrek.kovar@erg.co

Project Description:
1021 & 1037 BASELINE

City/State Collected: **Cornelius, OR**

Please Circle:
 MT CT ET

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

Client Project #
0425.00.016.090

Lab Project #
EASRESCMA-BASELINE

Collected by (print):
Brady Brantley Sedrek Kovar

Site/Facility ID #
1021 Baseline St.

P.O. #

Collected by (signature):
[Signature]

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

Quote #

Immediately Packed on Ice N Y

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
-----------	-----------	----------	-------	------	------	--------------

BLS-BH1-SG-3'	G	SS	3'	1/27/25	11:20	4
BLS-BH2-SG-3'		SS	3'	1/27/25	11:30	4
BLS-BH3-SG-3'			3'	1/27/25	11:35	4
BLS-BH3-SG-3'-DUP			3'	1/27/25	11:38	4
BLS-BH4-SG-10'			10'	1/27/25	11:10	4
BLS-BH5-SG-3'			3'	1/27/25	14:30	4
BLS-BH6-SG-3'			3'	1/27/25	15:05	4
BLS-BH7-SG-12'			12'	1/27/25	15:30	4
BLS-BH7-SG-12'-MS/MSD			12'	1/27/25	15:30	4
BLS-BH8-SG-10'			10'	1/28/25	13:45	4

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

Remarks: **Run ms/msd and trip blank w/ our sample batch.**

Samples returned via:
 UPS FedEx Courier

Tracking #

Relinquished by: (Signature)
[Signature]
 Date: 1/31/25 Time: 1400

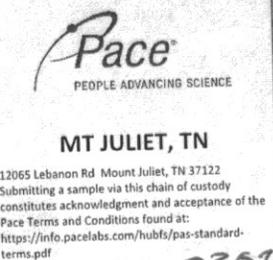
Received by: (Signature)
 Date: Time:

Received by: (Signature)
 Date: Time:

Trip Blank Received: Yes No
 HCL/MeOH TBR
 Temp: °C Bottles Received: **80 84**

If preservation required by Login: Date/Time
 Hold: **02/01/25 0830**
 Condition: NCF / OK

Analysis / Container / Preservative	Pres Chk
NWTPHDXNOSGT 4ozClr-NoPres	
NWTPHGX 40mlAmb/MeOH10ml/Syr	
SV827DPAHSM,TS 4ozClr-NoPres	
V8260D 40mlAmb/MeOH10ml/Syr	



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

SDG # **L1822303**
C080

Acctnum: **EASRESCMA**
 Template: **T266968**
 Prelogin: **P1126609**
 PM: **841 - Kelly Mercer**
 PB: **BF 1/17/25**

Shipped Via: **FedEX Ground**

Remarks	Sample # (lab only)
	-01
	-02
	-03
	-04
	-05
	-06
	-07
	-08
ms/msd	-08
	-1009

Sample Receipt Checklist	
COC Seal Present/Intact:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
COC Signed/Accurate:	<input type="checkbox"/> Y <input type="checkbox"/> N
Bottles arrive intact:	<input type="checkbox"/> Y <input type="checkbox"/> N
Correct bottles used:	<input type="checkbox"/> Y <input type="checkbox"/> N
Sufficient volume sent:	<input type="checkbox"/> Y <input type="checkbox"/> N
If Applicable	
VOA Zero Headpace:	<input type="checkbox"/> Y <input type="checkbox"/> N
Preservation Correct/Checked:	<input type="checkbox"/> Y <input type="checkbox"/> N
RAD Screen <0.5 mR/hr:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N

Company Name/Address:
Eastern Research Group Inc- Concord, MA
 561 Virginia Road Bldg. 4

Billing Information:
 Accounts Payable
 561 Virginia Road Bldg. 4
 Suite 300
 Concord, MA 01742

Report to:
Sedrek Kovar

Email To:
 brook.mckeown@erg.com; sedrek.kovar@erg.co

Project Description:
1021 & 1037 BASELINE

City/State Collected: **Cornelius, OR**

Please Circle:
 MT CT ET

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

Client Project #
0425.00.016.090

Lab Project #
EASRESCMA-BASELINE

Collected by (print):
Brady Sedrek Kovar

Site/Facility ID #
1021 Baseline St

P.O. #

Collected by (signature):
Brady Sedrek Kovar

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

Quote #
 Date Results Needed

Packed on Ice N Y

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs
BLS-BH9-SG-10'	G	SS	10'	1/28/25	1300	4
BLS-BH10-SG-13'		SS	13'	1/28/25	1315	4
BLS-BH11-SG-10'		SS	10'	1/28/25	1400	4
BLS-BH12-SG-10'		SS	10'	1/28/25	1415	4
BLS-BH13-SG-13'		SS	13'	1/28/25	1430	4
BLS-BH14-SG-12'		SS	12'	1/28/25	1330	4
BLS-BH15-SG-3'		SS	3'	1/28/25	1245	4
BLS-BH16-SG-14'		SS	14'	1/29/25	1020	4
BLS-MW-5-SG-12'		SS	12'	1/29/25	0940	4
BLS-MW-6-SG-11'		SS	11'	1/29/25	1305	4

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

Remarks: **Run w/MSD & trip blank w/ own sample batch**

Samples returned via: UPS FedEx Courier
 Tracking #

Relinquished by: (Signature)
Brady Sedrek Kovar
 Date: 1/31/25 Time: 1400

Received by: (Signature)
 Date: Time:

Trip Blank Received: Yes / No
 HCL / MeOH
 TBR
 Temp: °C Bottles Received: 80
 Date: 02/01/25 Time: 0830

Sample Receipt Checklist

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

Analysis / Container / Preservative

NWTP-HDXNOSGT 4ozClr-NoPres	NWTP-HGX 40mlAmb/MeOH10ml/Syr	SV8270PAHSIM, TS 4ozClr-NoPres	V8260D 40mlAmb/MeOH10ml/Syr
-----------------------------	-------------------------------	--------------------------------	-----------------------------

Chain of Custody Page 5 of 9

Pace
 PEOPLE ADVANCING SCIENCE

MT JULIET, TN

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

SDG # **L182303**

Table #

Acctnum: **EASRESCMA**
 Template: **T266968**
 Prelogin: **P1126609**
 PM: **841 - Kelly Mercer**
 PB: **BF 1/17/25**

Shipped Via: **FedEx Ground**

Remarks	Sample # (lab only)
	-010
	-011
	-12
	-13
	-14
	-15
	-16
	-17
	-18
	-19

Company Name/Address:

Eastern Research Group Inc- Concord, MA

561 Virginia Road Bldg. 4

Billing Information:

Accounts Payable
561 Virginia Road Bldg. 4
Suite 300
Concord, MA 01742

Pres Chk

Analysis / Container / Preservative



MT JULIET, TN

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

Report to:
Sedrek Kovar

Email To:
brook.mckewon@erg.com; sedrek.kovar@erg.com

Project Description:
1021 & 1037 BASELINE

City/State Collected: **Cornelius, OR**

Please Circle:
 AT MT CT ET

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

Client Project #
0425.00.016.090

Lab Project #
EASRESCMA-BASELINE

Collected by (print):
BB/SK

Site/Facility ID #
1021 Baseline St.

P.O. #

Collected by (signature):
Brody Broun / Sedrek Kovar

Rush? (Lab MUST Be Notified)

Quote #

Same Day Five Day
 Next Day 5 Day (Rad Only)
 Two Day 10 Day (Rad Only)
 Three Day STD TAT

Date Results Needed

Packed on Ice N Y

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
-----------	-----------	----------	-------	------	------	--------------

NWTPHDXNOSGT 4ozClr-NoPres
NWTPHGX 40mlAmb/MeOH10ml/Syr
SV8270PAHSIM,TS 4ozClr-NoPres
V8260D 40mlAmb/MeOH10ml/Syr

Trip Blank
Trip Blank
Trip Blank
Trip Blank

SS
SS
SS
SS
SS
SS
SS
SS
SS

-20
-21
-22
-23

Shipped Via: **FedEx Ground**

Remarks | Sample # (lab only)

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

Remarks: **Two (2) trip blanks per cooler (1 x NWTPHGx 1 x 8260), 2 coolers of soil grab samples**

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
 UPS FedEx Courier _____

Tracking #

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

Relinquished by: (Signature)

Brody Broun

Date:

11/31/25

Time:

1400

Received by: (Signature)

Trip Blank Received: Yes / No
HCL / MeOH
TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: °C Bottles Received: **80**

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Ashley Broun

Date: 02/01/25 Time: 0830

Hold:

Condition:
NCF / OK

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

Eastern Research Group Inc- Concord, MA

Sample Delivery Group: L1822399
Samples Received: 02/01/2025
Project Number: 0425.00.016.090
Description: 1021 & 1037 BASELINE

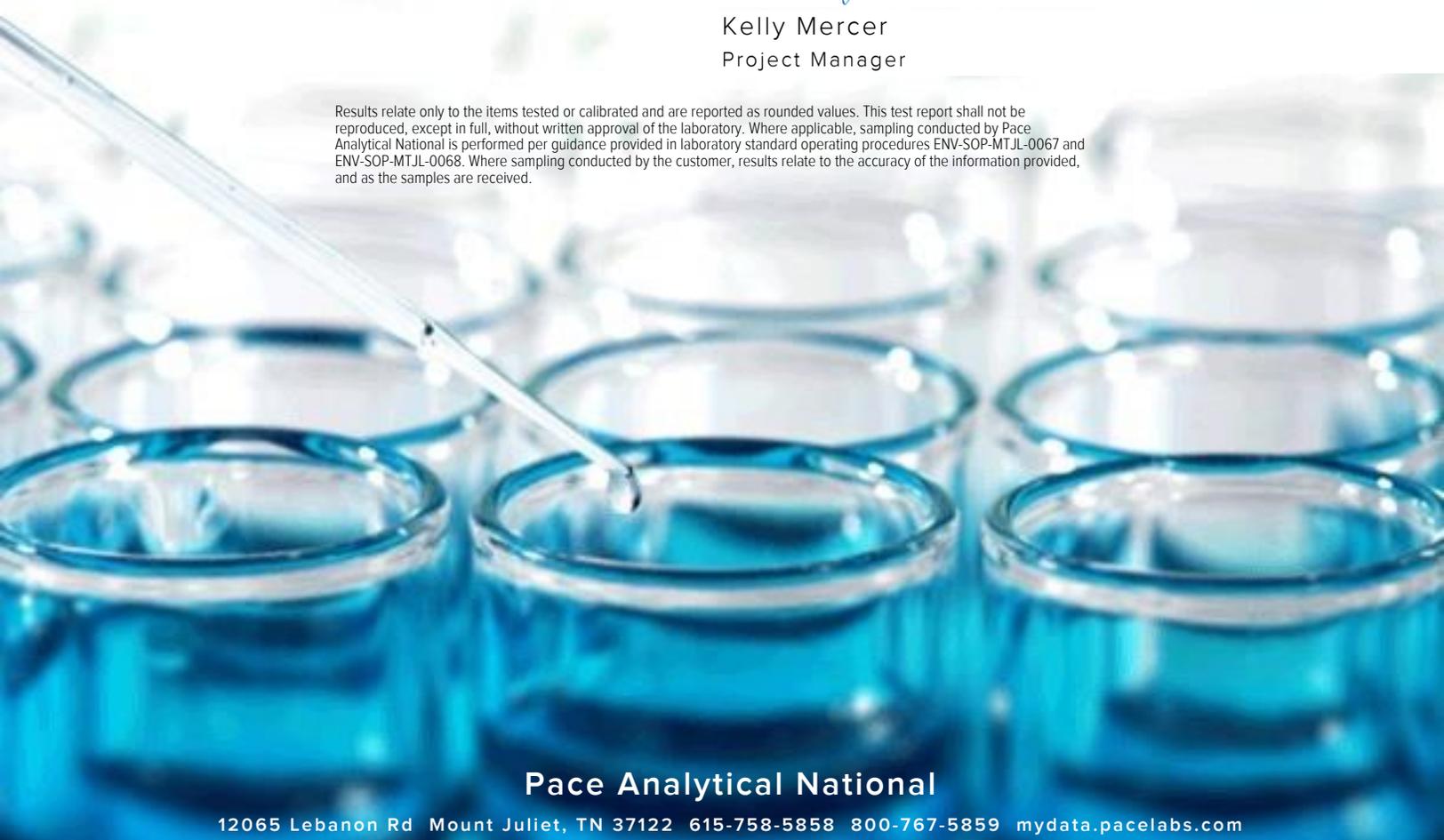
Report To: Sedrek Kovar
561 Virginia Road Bldg. 4
Suite 300
Concord, MA 01742

Entire Report Reviewed By:



Kelly Mercer
Project Manager

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



Pace Analytical National

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

TABLE OF CONTENTS

Cp: Cover Page	1	
Tc: Table of Contents	2	
Ss: Sample Summary	3	
Cn: Case Narrative	6	
Sr: Sample Results	7	
BLS-BH1-C-0'-1.5' L1822399-01	7	
BLS-BH1-C-1.5'-3' L1822399-02	8	
BLS-BH2-C-0'-1.5' L1822399-03	9	
BLS-BH2-C-1.5'-3' L1822399-04	10	
BLS-BH3-C-0'-1.5' L1822399-05	11	
BLS-BH3-C-1.5'-3' L1822399-06	12	
BLS-BH3-C-1.5'-3'-DUP L1822399-07	13	
BLS-BH5-C-0'-1.5' L1822399-08	14	
BLS-BH5-C-1.5'-3' L1822399-09	15	
BLS-BH6-C-0'-1.5' L1822399-10	16	
BLS-BH6-C-1.5'-3' L1822399-11	17	
BLS-BH15-C-0'-1.5' L1822399-12	18	
BLS-BH15-C-1.5'-3' L1822399-13	19	
Qc: Quality Control Summary	20	
Total Solids by Method 2540 G-2011	20	
Mercury by Method 7471B	23	
Metals (ICP) by Method 6010D	26	
Gl: Glossary of Terms	28	
Al: Accreditations & Locations	29	
Sc: Sample Chain of Custody	30	

SAMPLE SUMMARY

BLS-BH1-C-0'-1.5' L1822399-01 Solid

Collected by BB/SK Collected date/time 01/27/25 11:15 Received date/time 02/01/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2444744	1	02/03/25 15:17	02/03/25 15:23	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2444576	1	02/05/25 14:03	02/07/25 20:24	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2444461	1	02/02/25 21:52	02/03/25 12:06	DJS	Mt. Juliet, TN



BLS-BH1-C-1.5'-3' L1822399-02 Solid

Collected by BB/SK Collected date/time 01/27/25 11:18 Received date/time 02/01/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2444744	1	02/03/25 15:17	02/03/25 15:23	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2444576	1	02/05/25 14:03	02/07/25 20:26	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2444461	1	02/02/25 21:52	02/03/25 12:11	DJS	Mt. Juliet, TN

BLS-BH2-C-0'-1.5' L1822399-03 Solid

Collected by BB/SK Collected date/time 01/27/25 11:28 Received date/time 02/01/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2444744	1	02/03/25 15:17	02/03/25 15:23	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2444576	1	02/05/25 14:03	02/07/25 20:29	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2444461	1	02/02/25 21:52	02/03/25 12:12	DJS	Mt. Juliet, TN

BLS-BH2-C-1.5'-3' L1822399-04 Solid

Collected by BB/SK Collected date/time 01/27/25 11:29 Received date/time 02/01/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2444744	1	02/03/25 15:17	02/03/25 15:23	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2444576	1	02/05/25 14:03	02/07/25 20:31	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2444461	1	02/02/25 21:52	02/03/25 12:14	DJS	Mt. Juliet, TN

BLS-BH3-C-0'-1.5' L1822399-05 Solid

Collected by BB/SK Collected date/time 01/27/25 11:40 Received date/time 02/01/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2444744	1	02/03/25 15:17	02/03/25 15:23	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2444576	1	02/05/25 14:03	02/07/25 20:34	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2444461	1	02/02/25 21:52	02/03/25 12:16	DJS	Mt. Juliet, TN

BLS-BH3-C-1.5'-3' L1822399-06 Solid

Collected by BB/SK Collected date/time 01/27/25 11:42 Received date/time 02/01/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2444744	1	02/03/25 15:17	02/03/25 15:23	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2444576	1	02/05/25 14:03	02/07/25 20:36	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2444461	1	02/02/25 21:52	02/03/25 12:17	DJS	Mt. Juliet, TN

SAMPLE SUMMARY

BLS-BH3-C-1.5'-3'-DUP L1822399-07 Solid

Collected by BB/SK Collected date/time 01/27/25 11:44 Received date/time 02/01/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2444744	1	02/03/25 15:17	02/03/25 15:23	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2447953	1	02/08/25 17:50	02/09/25 16:54	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2444461	1	02/02/25 21:52	02/03/25 12:19	DJS	Mt. Juliet, TN



BLS-BH5-C-0'-1.5' L1822399-08 Solid

Collected by BB/SK Collected date/time 01/27/25 14:35 Received date/time 02/01/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2444744	1	02/03/25 15:17	02/03/25 15:23	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2447953	1	02/08/25 17:50	02/09/25 17:09	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2444461	1	02/02/25 21:52	02/03/25 12:21	DJS	Mt. Juliet, TN

BLS-BH5-C-1.5'-3' L1822399-09 Solid

Collected by BB/SK Collected date/time 01/27/25 14:40 Received date/time 02/01/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2444744	1	02/03/25 15:17	02/03/25 15:23	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2444576	1	02/05/25 14:03	02/07/25 19:22	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2444461	1	02/02/25 21:52	02/03/25 11:54	DJS	Mt. Juliet, TN

BLS-BH6-C-0'-1.5' L1822399-10 Solid

Collected by BB/SK Collected date/time 01/27/25 15:08 Received date/time 02/01/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2444744	1	02/03/25 15:17	02/03/25 15:23	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2444575	1	02/03/25 14:56	02/04/25 21:02	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2444461	1	02/02/25 21:52	02/03/25 12:22	DJS	Mt. Juliet, TN

BLS-BH6-C-1.5'-3' L1822399-11 Solid

Collected by BB/SK Collected date/time 01/27/25 15:10 Received date/time 02/01/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2444743	1	02/03/25 15:27	02/03/25 15:35	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2444575	1	02/03/25 14:56	02/04/25 21:04	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2444461	1	02/02/25 21:52	02/03/25 12:24	DJS	Mt. Juliet, TN

BLS-BH15-C-0'-1.5' L1822399-12 Solid

Collected by BB/SK Collected date/time 01/28/25 12:47 Received date/time 02/01/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2444743	1	02/03/25 15:27	02/03/25 15:35	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2444575	1	02/03/25 14:56	02/04/25 21:07	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2444461	1	02/02/25 21:52	02/03/25 12:26	DJS	Mt. Juliet, TN

SAMPLE SUMMARY

BLS-BH15-C-1.5'-3' L1822399-13 Solid

Collected by BB/SK Collected date/time 01/28/25 12:49 Received date/time 02/01/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2445225	1	02/04/25 09:52	02/04/25 10:06	MT	Mt. Juliet, TN
Mercury by Method 7471B	WG2444575	1	02/03/25 14:56	02/04/25 21:10	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2444461	1	02/02/25 21:52	02/03/25 12:31	DJS	Mt. Juliet, TN

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

CASE NARRATIVE

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



Kelly Mercer
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.5		1	02/03/2025 15:23	WG2444744

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.0206	0.0400	1	02/07/2025 20:24	WG2444576

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	2.55		0.691	2.00	1	02/03/2025 12:06	WG2444461
Arsenic	U		0.837	2.00	1	02/03/2025 12:06	WG2444461
Beryllium	U		0.0477	0.200	1	02/03/2025 12:06	WG2444461
Cadmium	U		0.0653	0.500	1	02/03/2025 12:06	WG2444461
Chromium	2.65		0.214	1.00	1	02/03/2025 12:06	WG2444461
Copper	4.30		0.357	2.00	1	02/03/2025 12:06	WG2444461
Lead	11.9		0.326	0.500	1	02/03/2025 12:06	WG2444461
Nickel	1.59	J	0.200	2.00	1	02/03/2025 12:06	WG2444461
Selenium	U		1.07	2.00	1	02/03/2025 12:06	WG2444461
Silver	U		0.127	1.00	1	02/03/2025 12:06	WG2444461
Thallium	1.71	J	0.518	2.00	1	02/03/2025 12:06	WG2444461
Zinc	45.8		0.974	5.00	1	02/03/2025 12:06	WG2444461

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.0		1	02/03/2025 15:23	WG2444744

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0206	0.0400	1	02/07/2025 20:26	WG2444576

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	2.04		0.691	2.00	1	02/03/2025 12:11	WG2444461
Arsenic	U		0.837	2.00	1	02/03/2025 12:11	WG2444461
Beryllium	U		0.0477	0.200	1	02/03/2025 12:11	WG2444461
Cadmium	U		0.0653	0.500	1	02/03/2025 12:11	WG2444461
Chromium	3.23		0.214	1.00	1	02/03/2025 12:11	WG2444461
Copper	7.07		0.357	2.00	1	02/03/2025 12:11	WG2444461
Lead	9.27		0.326	0.500	1	02/03/2025 12:11	WG2444461
Nickel	4.70		0.200	2.00	1	02/03/2025 12:11	WG2444461
Selenium	U		1.07	2.00	1	02/03/2025 12:11	WG2444461
Silver	U		0.127	1.00	1	02/03/2025 12:11	WG2444461
Thallium	1.08	J	0.518	2.00	1	02/03/2025 12:11	WG2444461
Zinc	37.7		0.974	5.00	1	02/03/2025 12:11	WG2444461

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.5		1	02/03/2025 15:23	WG2444744

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.0206	0.0400	1	02/07/2025 20:29	WG2444576

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	2.10		0.691	2.00	1	02/03/2025 12:12	WG2444461
Arsenic	U		0.837	2.00	1	02/03/2025 12:12	WG2444461
Beryllium	0.155	J	0.0477	0.200	1	02/03/2025 12:12	WG2444461
Cadmium	U		0.0653	0.500	1	02/03/2025 12:12	WG2444461
Chromium	3.48		0.214	1.00	1	02/03/2025 12:12	WG2444461
Copper	4.22		0.357	2.00	1	02/03/2025 12:12	WG2444461
Lead	14.1		0.326	0.500	1	02/03/2025 12:12	WG2444461
Nickel	2.40		0.200	2.00	1	02/03/2025 12:12	WG2444461
Selenium	U		1.07	2.00	1	02/03/2025 12:12	WG2444461
Silver	0.151	B J	0.127	1.00	1	02/03/2025 12:12	WG2444461
Thallium	1.94	J	0.518	2.00	1	02/03/2025 12:12	WG2444461
Zinc	52.7		0.974	5.00	1	02/03/2025 12:12	WG2444461

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	96.4		1	02/03/2025 15:23	WG2444744

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.0206	0.0400	1	02/07/2025 20:31	WG2444576

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	1.60	J	0.691	2.00	1	02/03/2025 12:14	WG2444461
Arsenic	U		0.837	2.00	1	02/03/2025 12:14	WG2444461
Beryllium	U		0.0477	0.200	1	02/03/2025 12:14	WG2444461
Cadmium	0.0805	J	0.0653	0.500	1	02/03/2025 12:14	WG2444461
Chromium	3.84		0.214	1.00	1	02/03/2025 12:14	WG2444461
Copper	11.4		0.357	2.00	1	02/03/2025 12:14	WG2444461
Lead	33.5		0.326	0.500	1	02/03/2025 12:14	WG2444461
Nickel	7.11		0.200	2.00	1	02/03/2025 12:14	WG2444461
Selenium	U		1.07	2.00	1	02/03/2025 12:14	WG2444461
Silver	U		0.127	1.00	1	02/03/2025 12:14	WG2444461
Thallium	1.12	J	0.518	2.00	1	02/03/2025 12:14	WG2444461
Zinc	52.9		0.974	5.00	1	02/03/2025 12:14	WG2444461

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.3		1	02/03/2025 15:23	WG2444744

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.0206	0.0400	1	02/07/2025 20:34	WG2444576

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	1.95	J	0.691	2.00	1	02/03/2025 12:16	WG2444461
Arsenic	U		0.837	2.00	1	02/03/2025 12:16	WG2444461
Beryllium	U		0.0477	0.200	1	02/03/2025 12:16	WG2444461
Cadmium	U		0.0653	0.500	1	02/03/2025 12:16	WG2444461
Chromium	3.10		0.214	1.00	1	02/03/2025 12:16	WG2444461
Copper	5.33		0.357	2.00	1	02/03/2025 12:16	WG2444461
Lead	11.5		0.326	0.500	1	02/03/2025 12:16	WG2444461
Nickel	2.91		0.200	2.00	1	02/03/2025 12:16	WG2444461
Selenium	U		1.07	2.00	1	02/03/2025 12:16	WG2444461
Silver	U		0.127	1.00	1	02/03/2025 12:16	WG2444461
Thallium	1.47	J	0.518	2.00	1	02/03/2025 12:16	WG2444461
Zinc	45.4		0.974	5.00	1	02/03/2025 12:16	WG2444461

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.1		1	02/03/2025 15:23	WG2444744

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	0.130		0.0206	0.0400	1	02/07/2025 20:36	WG2444576

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	3.65		0.691	2.00	1	02/03/2025 12:17	WG2444461
Arsenic	3.20		0.837	2.00	1	02/03/2025 12:17	WG2444461
Beryllium	0.258		0.0477	0.200	1	02/03/2025 12:17	WG2444461
Cadmium	1.00		0.0653	0.500	1	02/03/2025 12:17	WG2444461
Chromium	16.4		0.214	1.00	1	02/03/2025 12:17	WG2444461
Copper	77.5		0.357	2.00	1	02/03/2025 12:17	WG2444461
Lead	130		0.326	0.500	1	02/03/2025 12:17	WG2444461
Nickel	18.1		0.200	2.00	1	02/03/2025 12:17	WG2444461
Selenium	U		1.07	2.00	1	02/03/2025 12:17	WG2444461
Silver	0.147	B J	0.127	1.00	1	02/03/2025 12:17	WG2444461
Thallium	1.96	J	0.518	2.00	1	02/03/2025 12:17	WG2444461
Zinc	885		0.974	5.00	1	02/03/2025 12:17	WG2444461

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.8		1	02/03/2025 15:23	WG2444744

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	0.293		0.0206	0.0400	1	02/09/2025 16:54	WG2447953

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	1.72	J	0.691	2.00	1	02/03/2025 12:19	WG2444461
Arsenic	U		0.837	2.00	1	02/03/2025 12:19	WG2444461
Beryllium	0.0505	J	0.0477	0.200	1	02/03/2025 12:19	WG2444461
Cadmium	U		0.0653	0.500	1	02/03/2025 12:19	WG2444461
Chromium	4.95		0.214	1.00	1	02/03/2025 12:19	WG2444461
Copper	41.9		0.357	2.00	1	02/03/2025 12:19	WG2444461
Lead	37.2		0.326	0.500	1	02/03/2025 12:19	WG2444461
Nickel	8.34		0.200	2.00	1	02/03/2025 12:19	WG2444461
Selenium	U		1.07	2.00	1	02/03/2025 12:19	WG2444461
Silver	0.175	B J	0.127	1.00	1	02/03/2025 12:19	WG2444461
Thallium	0.981	J	0.518	2.00	1	02/03/2025 12:19	WG2444461
Zinc	52.1		0.974	5.00	1	02/03/2025 12:19	WG2444461

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.5		1	02/03/2025 15:23	WG2444744

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.0206	0.0400	1	02/09/2025 17:09	WG2447953

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	1.11	<u>J</u>	0.691	2.00	1	02/03/2025 12:21	WG2444461
Arsenic	9.45		0.837	2.00	1	02/03/2025 12:21	WG2444461
Beryllium	0.311		0.0477	0.200	1	02/03/2025 12:21	WG2444461
Cadmium	0.110	<u>J</u>	0.0653	0.500	1	02/03/2025 12:21	WG2444461
Chromium	9.81		0.214	1.00	1	02/03/2025 12:21	WG2444461
Copper	25.3		0.357	2.00	1	02/03/2025 12:21	WG2444461
Lead	18.0		0.326	0.500	1	02/03/2025 12:21	WG2444461
Nickel	19.5		0.200	2.00	1	02/03/2025 12:21	WG2444461
Selenium	U		1.07	2.00	1	02/03/2025 12:21	WG2444461
Silver	0.136	<u>B J</u>	0.127	1.00	1	02/03/2025 12:21	WG2444461
Thallium	0.858	<u>J</u>	0.518	2.00	1	02/03/2025 12:21	WG2444461
Zinc	105		0.974	5.00	1	02/03/2025 12:21	WG2444461

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	80.7		1	02/03/2025 15:23	WG2444744

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.0206	0.0400	1	02/07/2025 19:22	WG2444576

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	1.37	J J6	0.691	2.00	1	02/03/2025 11:54	WG2444461
Arsenic	3.44		0.837	2.00	1	02/03/2025 11:54	WG2444461
Beryllium	0.478		0.0477	0.200	1	02/03/2025 11:54	WG2444461
Cadmium	0.0692	J	0.0653	0.500	1	02/03/2025 11:54	WG2444461
Chromium	19.1	O1	0.214	1.00	1	02/03/2025 11:54	WG2444461
Copper	12.9		0.357	2.00	1	02/03/2025 11:54	WG2444461
Lead	14.8		0.326	0.500	1	02/03/2025 11:54	WG2444461
Nickel	12.4		0.200	2.00	1	02/03/2025 11:54	WG2444461
Selenium	U		1.07	2.00	1	02/03/2025 11:54	WG2444461
Silver	0.216	B J	0.127	1.00	1	02/03/2025 11:54	WG2444461
Thallium	1.09	J	0.518	2.00	1	02/03/2025 11:54	WG2444461
Zinc	70.3	O1	0.974	5.00	1	02/03/2025 11:54	WG2444461

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.3		1	02/03/2025 15:23	WG2444744

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.0206	0.0400	1	02/04/2025 21:02	WG2444575

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	1.23	J	0.691	2.00	1	02/03/2025 12:22	WG2444461
Arsenic	3.58		0.837	2.00	1	02/03/2025 12:22	WG2444461
Beryllium	0.291		0.0477	0.200	1	02/03/2025 12:22	WG2444461
Cadmium	0.252	J	0.0653	0.500	1	02/03/2025 12:22	WG2444461
Chromium	15.4		0.214	1.00	1	02/03/2025 12:22	WG2444461
Copper	28.1		0.357	2.00	1	02/03/2025 12:22	WG2444461
Lead	27.7		0.326	0.500	1	02/03/2025 12:22	WG2444461
Nickel	16.7		0.200	2.00	1	02/03/2025 12:22	WG2444461
Selenium	U		1.07	2.00	1	02/03/2025 12:22	WG2444461
Silver	0.132	B J	0.127	1.00	1	02/03/2025 12:22	WG2444461
Thallium	1.01	J	0.518	2.00	1	02/03/2025 12:22	WG2444461
Zinc	108		0.974	5.00	1	02/03/2025 12:22	WG2444461

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	79.8		1	02/03/2025 15:35	WG2444743

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.0206	0.0400	1	02/04/2025 21:04	WG2444575

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	1.69	J	0.691	2.00	1	02/03/2025 12:24	WG2444461
Arsenic	1.98	J	0.837	2.00	1	02/03/2025 12:24	WG2444461
Beryllium	0.422		0.0477	0.200	1	02/03/2025 12:24	WG2444461
Cadmium	0.255	J	0.0653	0.500	1	02/03/2025 12:24	WG2444461
Chromium	17.8		0.214	1.00	1	02/03/2025 12:24	WG2444461
Copper	17.7		0.357	2.00	1	02/03/2025 12:24	WG2444461
Lead	41.3		0.326	0.500	1	02/03/2025 12:24	WG2444461
Nickel	12.1		0.200	2.00	1	02/03/2025 12:24	WG2444461
Selenium	U		1.07	2.00	1	02/03/2025 12:24	WG2444461
Silver	U		0.127	1.00	1	02/03/2025 12:24	WG2444461
Thallium	1.38	J	0.518	2.00	1	02/03/2025 12:24	WG2444461
Zinc	140		0.974	5.00	1	02/03/2025 12:24	WG2444461

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.9		1	02/03/2025 15:35	WG2444743

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.0206	0.0400	1	02/04/2025 21:07	WG2444575

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	1.22	J	0.691	2.00	1	02/03/2025 12:26	WG2444461
Arsenic	12.6		0.837	2.00	1	02/03/2025 12:26	WG2444461
Beryllium	0.222		0.0477	0.200	1	02/03/2025 12:26	WG2444461
Cadmium	0.140	J	0.0653	0.500	1	02/03/2025 12:26	WG2444461
Chromium	11.4		0.214	1.00	1	02/03/2025 12:26	WG2444461
Copper	16.8		0.357	2.00	1	02/03/2025 12:26	WG2444461
Lead	25.8		0.326	0.500	1	02/03/2025 12:26	WG2444461
Nickel	10.1		0.200	2.00	1	02/03/2025 12:26	WG2444461
Selenium	U		1.07	2.00	1	02/03/2025 12:26	WG2444461
Silver	U		0.127	1.00	1	02/03/2025 12:26	WG2444461
Thallium	1.18	J	0.518	2.00	1	02/03/2025 12:26	WG2444461
Zinc	111		0.974	5.00	1	02/03/2025 12:26	WG2444461

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	80.0		1	02/04/2025 10:06	WG2445225

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Mercury	U		0.0206	0.0400	1	02/04/2025 21:10	WG2444575

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Antimony	2.07		0.691	2.00	1	02/03/2025 12:31	WG2444461
Arsenic	3.21		0.837	2.00	1	02/03/2025 12:31	WG2444461
Beryllium	0.500		0.0477	0.200	1	02/03/2025 12:31	WG2444461
Cadmium	U		0.0653	0.500	1	02/03/2025 12:31	WG2444461
Chromium	19.5		0.214	1.00	1	02/03/2025 12:31	WG2444461
Copper	13.2		0.357	2.00	1	02/03/2025 12:31	WG2444461
Lead	14.3		0.326	0.500	1	02/03/2025 12:31	WG2444461
Nickel	12.9		0.200	2.00	1	02/03/2025 12:31	WG2444461
Selenium	U		1.07	2.00	1	02/03/2025 12:31	WG2444461
Silver	U		0.127	1.00	1	02/03/2025 12:31	WG2444461
Thallium	0.985	J	0.518	2.00	1	02/03/2025 12:31	WG2444461
Zinc	51.9		0.974	5.00	1	02/03/2025 12:31	WG2444461

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4173090-1 02/03/25 15:35

Analyte	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
	%		%	%
Total Solids	0.000			

1 Cp

2 Tc

3 Ss

L1822404-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1822404-04 02/03/25 15:35 • (DUP) R4173090-3 02/03/25 15:35

Analyte	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
	%	%		%		%
Total Solids	84.4	84.0	1	0.436		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4173090-2 02/03/25 15:35

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
	%	%	%	%	
Total Solids	50.0	50.0	100	90.0-110	

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4173088-1 02/03/25 15:23

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

1 Cp

2 Tc

3 Ss

L1822399-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1822399-01 02/03/25 15:23 • (DUP) R4173088-3 02/03/25 15:23

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits
Total Solids	93.5	90.7	1	3.08		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4173088-2 02/03/25 15:23

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4173312-1 02/04/25 10:06

Analyte	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
	%		%	%
Total Solids	0.000			

¹Cp

²Tc

³Ss

L1822332-32 Original Sample (OS) • Duplicate (DUP)

(OS) L1822332-32 02/04/25 10:06 • (DUP) R4173312-3 02/04/25 10:06

Analyte	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
	%	%		%		%
Total Solids	92.1	90.0	1	2.30		10

⁴Cn

⁵Sr

Laboratory Control Sample (LCS)

(LCS) R4173312-2 02/04/25 10:06

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
	%	%	%	%	
Total Solids	50.0	50.0	100	90.0-110	

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4173396-1 02/04/25 18:57

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Mercury	U		0.0206	0.0400

¹Cp

²Tc

³Ss

Laboratory Control Sample (LCS)

(LCS) R4173396-2 02/04/25 18:59

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Mercury	0.500	0.498	99.5	80.0-120	

⁴Cn

⁵Sr

L1822120-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1822120-01 02/04/25 19:58 • (MS) R4173396-4 02/04/25 20:03 • (MSD) R4173396-5 02/04/25 20:06

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Mercury	0.500	0.0626	0.549	0.563	97.3	100	1	75.0-125			2.48	20

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4174582-1 02/07/25 19:17

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Mercury	U		0.0206	0.0400

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4174582-2 02/07/25 19:20

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Mercury	0.500	0.429	85.7	80.0-120	

4 Cn

5 Sr

L1822399-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1822399-09 02/07/25 19:22 • (MS) R4174582-4 02/07/25 19:36 • (MSD) R4174582-5 02/07/25 19:39

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Mercury	0.500	U	0.400	0.408	80.0	81.5	1	75.0-125			1.88	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4174788-1 02/09/25 16:49

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Mercury	U		0.0206	0.0400

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4174788-2 02/09/25 16:51

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Mercury	0.500	0.574	115	80.0-120	

4 Cn

5 Sr

L1822399-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1822399-07 02/09/25 16:54 • (MS) R4174788-4 02/09/25 16:59 • (MSD) R4174788-5 02/09/25 17:01

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Mercury	0.500	0.293	0.750	0.805	91.5	102	1	75.0-125			6.96	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4172854-1 02/03/25 11:51

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.691	2.00
Arsenic	U		0.837	2.00
Beryllium	U		0.0477	0.200
Cadmium	U		0.0653	0.500
Chromium	U		0.214	1.00
Copper	U		0.357	2.00
Lead	U		0.326	0.500
Nickel	U		0.200	2.00
Selenium	U		1.07	2.00
Silver	0.131	J	0.127	1.00
Thallium	U		0.518	2.00
Zinc	U		0.974	5.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4172854-2 02/03/25 11:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	105	105	80.0-120	
Arsenic	100	110	110	80.0-120	
Beryllium	100	114	114	80.0-120	
Cadmium	100	107	107	80.0-120	
Chromium	100	113	113	80.0-120	
Copper	100	119	119	80.0-120	
Lead	100	111	111	80.0-120	
Nickel	100	108	108	80.0-120	
Selenium	100	109	109	80.0-120	
Silver	20.0	22.7	113	80.0-120	
Thallium	100	115	115	80.0-120	
Zinc	100	110	110	80.0-120	

L1822399-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1822399-09 02/03/25 11:54 • (MS) R4172854-5 02/03/25 11:59 • (MSD) R4172854-6 02/03/25 12:01

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 %
Antimony	100	1.37	55.3	51.2	54.0	49.9	1	75.0-125	J6	J6	7.70	20
Arsenic	100	3.44	103	98.5	99.7	95.0	1	75.0-125			4.68	20
Beryllium	100	0.478	109	100	108	99.8	1	75.0-125			7.89	20

L1822399-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1822399-09 02/03/25 11:54 • (MS) R4172854-5 02/03/25 11:59 • (MSD) R4172854-6 02/03/25 12:01

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 %
Cadmium	100	0.0692	99.9	93.3	99.8	93.2	1	75.0-125			6.85	20
Chromium	100	19.1	124	115	105	96.1	1	75.0-125			7.00	20
Copper	100	12.9	125	116	113	103	1	75.0-125			7.74	20
Lead	100	14.8	126	119	111	105	1	75.0-125			5.43	20
Nickel	100	12.4	123	115	111	103	1	75.0-125			6.61	20
Selenium	100	U	99.5	91.3	99.5	91.3	1	75.0-125			8.63	20
Silver	20.0	0.216	21.8	20.2	108	99.9	1	75.0-125			7.74	20
Thallium	100	1.09	114	106	113	105	1	75.0-125			6.47	20
Zinc	100	70.3	163	155	93.1	85.1	1	75.0-125			4.99	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

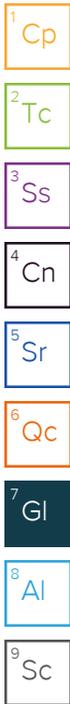
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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.
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.
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.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Eastern Research Group Inc- Concord, MA

Sample Delivery Group: L1822849
Samples Received: 02/04/2025
Project Number: 0425.00.016.090
Description: 1021 & 1037 Baseline Street

Report To: Sedrek Kovar
561 Virginia Road Bldg. 4
Suite 300
Concord, MA 01742

Entire Report Reviewed By:



Kelly Mercer
Project Manager

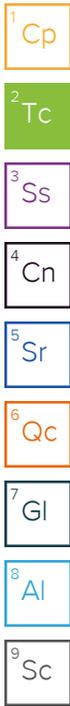
Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory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

Pace Analytical National

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

TABLE OF CONTENTS

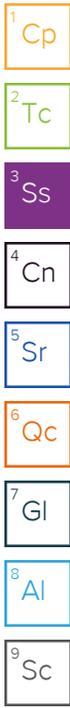
Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	6
Sr: Sample Results	7
BLS-MW-2 L1822849-01	7
BLS-MW-2-DUP L1822849-02	9
BLS-MW-3 L1822849-03	11
BLS-MW-4 L1822849-04	13
TRIP BLANK 1 L1822849-05	15
BLS-MW-5 L1822849-06	16
BLS-MW-6 L1822849-07	18
BLS-RINSATE-1 L1822849-08	20
BLS-RINSATE-2 L1822849-09	22
TRIP BLANK 2 L1822849-10	24
Qc: Quality Control Summary	25
Mercury by Method 7470A	25
Metals (ICP) by Method 6010D	27
Volatile Organic Compounds (GC) by Method NWTPHGX	29
Volatile Organic Compounds (GC/MS) by Method 8260D	30
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	35
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	36
Gl: Glossary of Terms	39
Al: Accreditations & Locations	40
Sc: Sample Chain of Custody	41



SAMPLE SUMMARY

BLS-MW-2 L1822849-01 GW

Method	Batch	Dilution	Preparation date/time	Collected by	Collected date/time	Received date/time	Location
				BB/SK	01/31/25 10:25	02/04/25 09:00	
Mercury by Method 7470A	WG2445694	1	02/07/25 12:42		02/08/25 14:38	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2446370	1	02/05/25 19:36		02/06/25 02:07	RLS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2446372	1	02/05/25 14:14		02/05/25 14:14	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2446046	1	02/05/25 09:36		02/05/25 09:36	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2448163	20	02/08/25 19:54		02/08/25 19:54	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2447544	1	02/07/25 14:14		02/08/25 17:42	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2446071	1	02/05/25 07:57		02/05/25 18:19	TKW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2446071	10	02/05/25 07:57		02/06/25 19:49	VDR	Mt. Juliet, TN



BLS-MW-2-DUP L1822849-02 GW

Method	Batch	Dilution	Preparation date/time	Collected by	Collected date/time	Received date/time	Location
				BB/SK	01/31/25 10:25	02/04/25 09:00	
Mercury by Method 7470A	WG2445694	1	02/07/25 12:42		02/08/25 14:40	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2446370	1	02/05/25 19:36		02/06/25 02:08	RLS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2446372	1	02/05/25 14:35		02/05/25 14:35	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2446301	1	02/05/25 17:10		02/05/25 17:10	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2449131	20	02/10/25 21:57		02/10/25 21:57	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2447544	1	02/07/25 14:14		02/08/25 18:06	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2446072	1	02/05/25 08:00		02/05/25 14:03	TKW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2446072	10	02/05/25 08:00		02/06/25 20:07	VDR	Mt. Juliet, TN

BLS-MW-3 L1822849-03 GW

Method	Batch	Dilution	Preparation date/time	Collected by	Collected date/time	Received date/time	Location
				BB/SK	01/31/25 09:20	02/04/25 09:00	
Mercury by Method 7470A	WG2445694	1	02/07/25 12:42		02/08/25 13:44	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2446370	1	02/05/25 19:36		02/06/25 01:38	RLS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2446372	1	02/05/25 14:56		02/05/25 14:56	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2446301	1	02/05/25 17:31		02/05/25 17:31	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2449131	1	02/10/25 22:19		02/10/25 22:19	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2447544	1	02/07/25 14:14		02/08/25 18:31	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2446072	1	02/05/25 08:00		02/05/25 15:14	TKW	Mt. Juliet, TN

BLS-MW-4 L1822849-04 GW

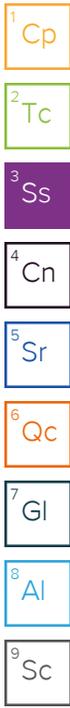
Method	Batch	Dilution	Preparation date/time	Collected by	Collected date/time	Received date/time	Location
				BB/SK	01/31/25 11:55	02/04/25 09:00	
Mercury by Method 7470A	WG2445694	1	02/07/25 12:42		02/08/25 14:42	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2446370	1	02/05/25 19:36		02/06/25 02:10	RLS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2446372	1	02/05/25 15:17		02/05/25 15:17	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2446301	1	02/05/25 17:53		02/05/25 17:53	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2449131	1	02/10/25 22:40		02/10/25 22:40	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2447544	1	02/07/25 14:14		02/08/25 19:45	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2446072	1	02/05/25 08:00		02/05/25 16:59	TKW	Mt. Juliet, TN

SAMPLE SUMMARY

TRIP BLANK 1 L1822849-05 GW

Collected by BB/SK Collected date/time 01/31/25 00:00 Received date/time 02/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2446372	1	02/05/25 13:30	02/05/25 13:30	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2446301	1	02/05/25 13:34	02/05/25 13:34	DYW	Mt. Juliet, TN



BLS-MW-5 L1822849-06 GW

Collected by BB/SK Collected date/time 02/01/25 08:10 Received date/time 02/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2445904	1	02/05/25 17:48	02/06/25 10:53	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2446370	1	02/05/25 19:36	02/06/25 02:15	RLS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2446372	1	02/05/25 15:38	02/05/25 15:38	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2446301	1	02/05/25 18:15	02/05/25 18:15	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2447544	1	02/07/25 14:14	02/08/25 20:09	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2446072	1	02/05/25 08:00	02/05/25 14:21	TKW	Mt. Juliet, TN

BLS-MW-6 L1822849-07 GW

Collected by BB/SK Collected date/time 02/01/25 07:20 Received date/time 02/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2445904	1	02/05/25 17:48	02/06/25 10:56	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2446370	1	02/05/25 19:36	02/06/25 02:17	RLS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2446372	1	02/05/25 15:59	02/05/25 15:59	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2446301	1	02/05/25 18:36	02/05/25 18:36	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2449131	25	02/10/25 23:02	02/10/25 23:02	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2447544	1	02/07/25 14:14	02/08/25 20:33	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2446072	1	02/05/25 08:00	02/05/25 17:17	TKW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2446072	10	02/05/25 08:00	02/06/25 20:24	VDR	Mt. Juliet, TN

BLS-RINSATE-1 L1822849-08 GW

Collected by BB/SK Collected date/time 01/31/25 12:30 Received date/time 02/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2445904	1	02/05/25 17:48	02/06/25 10:27	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2446370	1	02/05/25 19:36	02/06/25 02:19	RLS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2446372	1	02/05/25 16:20	02/05/25 16:20	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2446301	1	02/05/25 18:58	02/05/25 18:58	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2449131	1	02/10/25 23:23	02/10/25 23:23	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2447544	1	02/07/25 14:14	02/08/25 20:58	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2446072	1	02/05/25 08:00	02/05/25 14:38	TKW	Mt. Juliet, TN

BLS-RINSATE-2 L1822849-09 GW

Collected by BB/SK Collected date/time 02/01/25 08:15 Received date/time 02/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2445904	1	02/05/25 17:48	02/06/25 10:58	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2446370	1	02/05/25 19:36	02/06/25 02:20	RLS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2446372	1	02/05/25 16:42	02/05/25 16:42	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2446301	1	02/05/25 19:20	02/05/25 19:20	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2449131	1	02/10/25 23:44	02/10/25 23:44	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2447544	1	02/07/25 14:14	02/08/25 21:22	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2446072	1	02/05/25 08:00	02/05/25 14:56	TKW	Mt. Juliet, TN

SAMPLE SUMMARY

TRIP BLANK 2 L1822849-10 GW

Collected by BB/SK Collected date/time 02/01/25 00:00 Received date/time 02/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2446372	1	02/05/25 13:52	02/05/25 13:52	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2446301	1	02/05/25 13:55	02/05/25 13:55	DYW	Mt. Juliet, TN

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

CASE NARRATIVE

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



Kelly Mercer
Project Manager

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

Report Revision History

Level II Report - Version 1: 02/12/25 10:13

Project Narrative

Re-Issuing for requested list -SC

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.0000700	0.000200	1	02/08/2025 14:38	WG2445694

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Antimony	U		0.00506	0.0100	1	02/06/2025 02:07	WG2446370
Arsenic	0.0132		0.00783	0.0100	1	02/06/2025 02:07	WG2446370
Beryllium	U		0.000501	0.00200	1	02/06/2025 02:07	WG2446370
Cadmium	U		0.000538	0.00200	1	02/06/2025 02:07	WG2446370
Chromium	U		0.00151	0.0100	1	02/06/2025 02:07	WG2446370
Copper	U		0.00226	0.0100	1	02/06/2025 02:07	WG2446370
Lead	0.00496	J	0.00243	0.00600	1	02/06/2025 02:07	WG2446370
Nickel	U		0.00196	0.0100	1	02/06/2025 02:07	WG2446370
Selenium	U		0.00616	0.0100	1	02/06/2025 02:07	WG2446370
Silver	U		0.00289	0.00500	1	02/06/2025 02:07	WG2446370
Thallium	U		0.00663	0.0100	1	02/06/2025 02:07	WG2446370
Zinc	0.00480	J	0.00467	0.0500	1	02/06/2025 02:07	WG2446370

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Gasoline Range Organics-NWTPH	5.07		0.0316	0.100	1	02/05/2025 14:14	WG2446372
(S) a,a,a-Trifluorotoluene(FID)	93.8			78.0-120		02/05/2025 14:14	WG2446372

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	02/05/2025 09:36	WG2446046
1,2-Dibromoethane	U		0.000126	0.00100	1	02/05/2025 09:36	WG2446046
1,2-Dichloroethane	U		0.0000819	0.00100	1	02/05/2025 09:36	WG2446046
Ethylbenzene	0.362		0.00274	0.0200	20	02/08/2025 19:54	WG2448163
Isopropylbenzene	0.0492		0.000105	0.00100	1	02/05/2025 09:36	WG2446046
Methyl tert-butyl ether	U		0.000101	0.00100	1	02/05/2025 09:36	WG2446046
Naphthalene	0.104	C3	0.00100	0.00500	1	02/05/2025 09:36	WG2446046
n-Propylbenzene	0.137		0.0000993	0.00100	1	02/05/2025 09:36	WG2446046
Toluene	0.00419		0.000278	0.00100	1	02/05/2025 09:36	WG2446046
1,2,4-Trimethylbenzene	0.0598		0.000322	0.00100	1	02/05/2025 09:36	WG2446046
1,3,5-Trimethylbenzene	0.0143		0.000104	0.00100	1	02/05/2025 09:36	WG2446046
Xylenes, Total	0.0852		0.000174	0.00300	1	02/05/2025 09:36	WG2446046
(S) Toluene-d8	91.1			80.0-120		02/05/2025 09:36	WG2446046
(S) Toluene-d8	95.6			80.0-120		02/08/2025 19:54	WG2448163
(S) 4-Bromofluorobenzene	103			77.0-126		02/05/2025 09:36	WG2446046
(S) 4-Bromofluorobenzene	95.5			77.0-126		02/08/2025 19:54	WG2448163
(S) 1,2-Dichloroethane-d4	120			70.0-130		02/05/2025 09:36	WG2446046
(S) 1,2-Dichloroethane-d4	114			70.0-130		02/08/2025 19:54	WG2448163

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Diesel Range Organics (DRO)	1.70		0.0678	0.100	1	02/08/2025 17:42	WG2447544
(S) o-Terphenyl	71.0			31.0-160		02/08/2025 17:42	WG2447544

Sample Narrative:



Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
L1822849-01 WG2447544: Sample does not resemble laboratory standard for Jet Fuel.							

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	0.0000798	<u>B</u>	0.0000190	0.0000500	1	02/05/2025 18:19	WG2446071
Acenaphthene	0.000676		0.0000190	0.0000500	1	02/05/2025 18:19	WG2446071
Benzo(a)anthracene	0.0000225	<u>B J</u>	0.0000203	0.0000500	1	02/05/2025 18:19	WG2446071
Benzo(a)pyrene	U		0.0000184	0.0000500	1	02/05/2025 18:19	WG2446071
Benzo(b)fluoranthene	U		0.0000168	0.0000500	1	02/05/2025 18:19	WG2446071
Benzo(k)fluoranthene	U		0.0000202	0.0000500	1	02/05/2025 18:19	WG2446071
Chrysene	0.0000222	<u>B J</u>	0.0000179	0.0000500	1	02/05/2025 18:19	WG2446071
Dibenz(a,h)anthracene	U		0.0000160	0.0000500	1	02/05/2025 18:19	WG2446071
Fluoranthene	0.0000349	<u>B J</u>	0.0000270	0.000100	1	02/05/2025 18:19	WG2446071
Fluorene	0.000347		0.0000169	0.0000500	1	02/05/2025 18:19	WG2446071
Indeno(1,2,3-cd)pyrene	0.0000173	<u>B J</u>	0.0000158	0.0000500	1	02/05/2025 18:19	WG2446071
Naphthalene	0.114		0.000917	0.00250	10	02/06/2025 19:49	WG2446071
Pyrene	0.0000459	<u>B J</u>	0.0000169	0.0000500	1	02/05/2025 18:19	WG2446071
(S) Nitrobenzene-d5	0.000	<u>J2</u>		31.0-160		02/05/2025 18:19	WG2446071
(S) Nitrobenzene-d5	0.000	<u>J2</u>		31.0-160		02/06/2025 19:49	WG2446071
(S) 2-Fluorobiphenyl	115			48.0-148		02/06/2025 19:49	WG2446071
(S) 2-Fluorobiphenyl	95.3			48.0-148		02/05/2025 18:19	WG2446071
(S) p-Terphenyl-d14	106			37.0-146		02/06/2025 19:49	WG2446071
(S) p-Terphenyl-d14	101			37.0-146		02/05/2025 18:19	WG2446071

Sample Narrative:

L1822849-01 WG2446071: Surrogate failure due to matrix interference
 L1822849-01 WG2446071: Dilution and surrogate failure due to matrix interference.



Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.0000700	0.000200	1	02/08/2025 14:40	WG2445694

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Antimony	U		0.00506	0.0100	1	02/06/2025 02:08	WG2446370
Arsenic	0.0121		0.00783	0.0100	1	02/06/2025 02:08	WG2446370
Beryllium	U		0.000501	0.00200	1	02/06/2025 02:08	WG2446370
Cadmium	U		0.000538	0.00200	1	02/06/2025 02:08	WG2446370
Chromium	U		0.00151	0.0100	1	02/06/2025 02:08	WG2446370
Copper	U		0.00226	0.0100	1	02/06/2025 02:08	WG2446370
Lead	U		0.00243	0.00600	1	02/06/2025 02:08	WG2446370
Nickel	U		0.00196	0.0100	1	02/06/2025 02:08	WG2446370
Selenium	0.00695	J	0.00616	0.0100	1	02/06/2025 02:08	WG2446370
Silver	U		0.00289	0.00500	1	02/06/2025 02:08	WG2446370
Thallium	U		0.00663	0.0100	1	02/06/2025 02:08	WG2446370
Zinc	U		0.00467	0.0500	1	02/06/2025 02:08	WG2446370

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Gasoline Range Organics-NWTPH	5.39		0.0316	0.100	1	02/05/2025 14:35	WG2446372
(S) a,a,a-Trifluorotoluene(FID)	96.5			78.0-120		02/05/2025 14:35	WG2446372

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	0.000594	J	0.0000941	0.00100	1	02/05/2025 17:10	WG2446301
1,2-Dibromoethane	U		0.000126	0.00100	1	02/05/2025 17:10	WG2446301
1,2-Dichloroethane	U		0.0000819	0.00100	1	02/05/2025 17:10	WG2446301
Ethylbenzene	0.428		0.00274	0.0200	20	02/10/2025 21:57	WG2449131
Isopropylbenzene	0.0507		0.000105	0.00100	1	02/05/2025 17:10	WG2446301
Methyl tert-butyl ether	U		0.000101	0.00100	1	02/05/2025 17:10	WG2446301
Naphthalene	0.135	C3	0.00100	0.00500	1	02/05/2025 17:10	WG2446301
n-Propylbenzene	0.180		0.0000993	0.00100	1	02/05/2025 17:10	WG2446301
Toluene	0.00339		0.000278	0.00100	1	02/05/2025 17:10	WG2446301
1,2,4-Trimethylbenzene	0.0721		0.000322	0.00100	1	02/05/2025 17:10	WG2446301
1,3,5-Trimethylbenzene	0.0186		0.000104	0.00100	1	02/05/2025 17:10	WG2446301
Xylenes, Total	0.0888		0.000174	0.00300	1	02/05/2025 17:10	WG2446301
(S) Toluene-d8	95.2			80.0-120		02/05/2025 17:10	WG2446301
(S) Toluene-d8	105			80.0-120		02/10/2025 21:57	WG2449131
(S) 4-Bromofluorobenzene	89.0			77.0-126		02/05/2025 17:10	WG2446301
(S) 4-Bromofluorobenzene	100			77.0-126		02/10/2025 21:57	WG2449131
(S) 1,2-Dichloroethane-d4	134	J1		70.0-130		02/05/2025 17:10	WG2446301
(S) 1,2-Dichloroethane-d4	94.9			70.0-130		02/10/2025 21:57	WG2449131

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Diesel Range Organics (DRO)	1.83		0.0678	0.100	1	02/08/2025 18:06	WG2447544
(S) o-Terphenyl	78.0			31.0-160		02/08/2025 18:06	WG2447544

Sample Narrative:



Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
L1822849-02 WG2447544: Sample does not resemble laboratory standard for Jet Fuel.							

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	0.0000956	<u>B</u>	0.0000190	0.0000500	1	02/05/2025 14:03	WG2446072
Acenaphthene	0.000809		0.0000190	0.0000500	1	02/05/2025 14:03	WG2446072
Benzo(a)anthracene	0.0000277	<u>B J</u>	0.0000203	0.0000500	1	02/05/2025 14:03	WG2446072
Benzo(a)pyrene	U		0.0000184	0.0000500	1	02/05/2025 14:03	WG2446072
Benzo(b)fluoranthene	0.0000168	<u>J</u>	0.0000168	0.0000500	1	02/05/2025 14:03	WG2446072
Benzo(k)fluoranthene	U		0.0000202	0.0000500	1	02/05/2025 14:03	WG2446072
Chrysene	0.0000248	<u>B J</u>	0.0000179	0.0000500	1	02/05/2025 14:03	WG2446072
Dibenz(a,h)anthracene	0.0000183	<u>B J</u>	0.0000160	0.0000500	1	02/05/2025 14:03	WG2446072
Fluoranthene	0.0000570	<u>J</u>	0.0000270	0.000100	1	02/05/2025 14:03	WG2446072
Fluorene	0.000434		0.0000169	0.0000500	1	02/05/2025 14:03	WG2446072
Indeno(1,2,3-cd)pyrene	U		0.0000158	0.0000500	1	02/05/2025 14:03	WG2446072
Naphthalene	0.122		0.000917	0.00250	10	02/06/2025 20:07	WG2446072
Pyrene	0.0000463	<u>B J</u>	0.0000169	0.0000500	1	02/05/2025 14:03	WG2446072
(S) Nitrobenzene-d5	0.000	<u>J2</u>		31.0-160		02/05/2025 14:03	WG2446072
(S) Nitrobenzene-d5	0.000	<u>J2</u>		31.0-160		02/06/2025 20:07	WG2446072
(S) 2-Fluorobiphenyl	126			48.0-148		02/05/2025 14:03	WG2446072
(S) 2-Fluorobiphenyl	138			48.0-148		02/06/2025 20:07	WG2446072
(S) p-Terphenyl-d14	115			37.0-146		02/05/2025 14:03	WG2446072
(S) p-Terphenyl-d14	121			37.0-146		02/06/2025 20:07	WG2446072

Sample Narrative:

L1822849-02 WG2446072: Surrogate failure due to matrix interference
 L1822849-02 WG2446072: Dilution and surrogate failure due to matrix interference.

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

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.0000700	0.000200	1	02/08/2025 13:44	WG2445694

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Antimony	U		0.00506	0.0100	1	02/06/2025 01:38	WG2446370
Arsenic	U		0.00783	0.0100	1	02/06/2025 01:38	WG2446370
Beryllium	U		0.000501	0.00200	1	02/06/2025 01:38	WG2446370
Cadmium	U		0.000538	0.00200	1	02/06/2025 01:38	WG2446370
Chromium	U		0.00151	0.0100	1	02/06/2025 01:38	WG2446370
Copper	U		0.00226	0.0100	1	02/06/2025 01:38	WG2446370
Lead	0.00295	J	0.00243	0.00600	1	02/06/2025 01:38	WG2446370
Nickel	0.00219	J	0.00196	0.0100	1	02/06/2025 01:38	WG2446370
Selenium	U		0.00616	0.0100	1	02/06/2025 01:38	WG2446370
Silver	U		0.00289	0.00500	1	02/06/2025 01:38	WG2446370
Thallium	U		0.00663	0.0100	1	02/06/2025 01:38	WG2446370
Zinc	0.0357	J	0.00467	0.0500	1	02/06/2025 01:38	WG2446370

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Gasoline Range Organics-NWTPH	0.771		0.0316	0.100	1	02/05/2025 14:56	WG2446372
(S) a,a,a-Trifluorotoluene(FID)	99.8			78.0-120		02/05/2025 14:56	WG2446372

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	02/05/2025 17:31	WG2446301
1,2-Dibromoethane	U		0.000126	0.00100	1	02/05/2025 17:31	WG2446301
1,2-Dichloroethane	U		0.0000819	0.00100	1	02/05/2025 17:31	WG2446301
Ethylbenzene	0.000323	J	0.000137	0.00100	1	02/10/2025 22:19	WG2449131
Isopropylbenzene	0.00515		0.000105	0.00100	1	02/05/2025 17:31	WG2446301
Methyl tert-butyl ether	U		0.000101	0.00100	1	02/05/2025 17:31	WG2446301
Naphthalene	0.00317	C3 J	0.00100	0.00500	1	02/05/2025 17:31	WG2446301
n-Propylbenzene	0.0137		0.0000993	0.00100	1	02/05/2025 17:31	WG2446301
Toluene	U		0.000278	0.00100	1	02/05/2025 17:31	WG2446301
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	02/10/2025 22:19	WG2449131
1,3,5-Trimethylbenzene	0.000127	J	0.000104	0.00100	1	02/05/2025 17:31	WG2446301
Xylenes, Total	0.000237	J	0.000174	0.00300	1	02/10/2025 22:19	WG2449131
(S) Toluene-d8	101			80.0-120		02/05/2025 17:31	WG2446301
(S) Toluene-d8	107			80.0-120		02/10/2025 22:19	WG2449131
(S) 4-Bromofluorobenzene	94.8			77.0-126		02/05/2025 17:31	WG2446301
(S) 4-Bromofluorobenzene	108			77.0-126		02/10/2025 22:19	WG2449131
(S) 1,2-Dichloroethane-d4	106			70.0-130		02/05/2025 17:31	WG2446301
(S) 1,2-Dichloroethane-d4	98.3			70.0-130		02/10/2025 22:19	WG2449131

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Diesel Range Organics (DRO)	0.356	B J3 J6	0.0678	0.100	1	02/08/2025 18:31	WG2447544
(S) o-Terphenyl	91.5			31.0-160		02/08/2025 18:31	WG2447544

Sample Narrative:



Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
---------	----------------	-----------	-------------	-------------	----------	-------------------------	-------

L1822849-03 WG2447544: Sample resembles laboratory standard for Gasoline.

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0000190	0.0000500	1	02/05/2025 15:14	WG2446072
Acenaphthene	0.000163		0.0000190	0.0000500	1	02/05/2025 15:14	WG2446072
Benzo(a)anthracene	0.0000239	<u>BJ</u>	0.0000203	0.0000500	1	02/05/2025 15:14	WG2446072
Benzo(a)pyrene	U		0.0000184	0.0000500	1	02/05/2025 15:14	WG2446072
Benzo(b)fluoranthene	U		0.0000168	0.0000500	1	02/05/2025 15:14	WG2446072
Benzo(k)fluoranthene	U		0.0000202	0.0000500	1	02/05/2025 15:14	WG2446072
Chrysene	0.0000215	<u>BJ</u>	0.0000179	0.0000500	1	02/05/2025 15:14	WG2446072
Dibenz(a,h)anthracene	U		0.0000160	0.0000500	1	02/05/2025 15:14	WG2446072
Fluoranthene	U		0.0000270	0.000100	1	02/05/2025 15:14	WG2446072
Fluorene	0.000143		0.0000169	0.0000500	1	02/05/2025 15:14	WG2446072
Indeno(1,2,3-cd)pyrene	0.0000160	<u>BJ</u>	0.0000158	0.0000500	1	02/05/2025 15:14	WG2446072
Naphthalene	U		0.0000917	0.000250	1	02/05/2025 15:14	WG2446072
Pyrene	0.0000174	<u>BJ</u>	0.0000169	0.0000500	1	02/05/2025 15:14	WG2446072
(S) Nitrobenzene-d5	115			31.0-160		02/05/2025 15:14	WG2446072
(S) 2-Fluorobiphenyl	127			48.0-148		02/05/2025 15:14	WG2446072
(S) p-Terphenyl-d14	117			37.0-146		02/05/2025 15:14	WG2446072

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.0000700	0.000200	1	02/08/2025 14:42	WG2445694

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Antimony	U		0.00506	0.0100	1	02/06/2025 02:10	WG2446370
Arsenic	U		0.00783	0.0100	1	02/06/2025 02:10	WG2446370
Beryllium	U		0.000501	0.00200	1	02/06/2025 02:10	WG2446370
Cadmium	U		0.000538	0.00200	1	02/06/2025 02:10	WG2446370
Chromium	0.00331	J	0.00151	0.0100	1	02/06/2025 02:10	WG2446370
Copper	0.0178		0.00226	0.0100	1	02/06/2025 02:10	WG2446370
Lead	0.00311	J	0.00243	0.00600	1	02/06/2025 02:10	WG2446370
Nickel	0.00346	J	0.00196	0.0100	1	02/06/2025 02:10	WG2446370
Selenium	U		0.00616	0.0100	1	02/06/2025 02:10	WG2446370
Silver	U		0.00289	0.00500	1	02/06/2025 02:10	WG2446370
Thallium	U		0.00663	0.0100	1	02/06/2025 02:10	WG2446370
Zinc	0.239		0.00467	0.0500	1	02/06/2025 02:10	WG2446370

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Gasoline Range Organics-NWTPH	0.0845	B_J	0.0316	0.100	1	02/05/2025 15:17	WG2446372
(S) a,a,a-Trifluorotoluene(FID)	100			78.0-120		02/05/2025 15:17	WG2446372

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	02/05/2025 17:53	WG2446301
1,2-Dibromoethane	U		0.000126	0.00100	1	02/05/2025 17:53	WG2446301
1,2-Dichloroethane	U		0.0000819	0.00100	1	02/05/2025 17:53	WG2446301
Ethylbenzene	U		0.000137	0.00100	1	02/10/2025 22:40	WG2449131
Isopropylbenzene	U		0.000105	0.00100	1	02/05/2025 17:53	WG2446301
Methyl tert-butyl ether	U		0.000101	0.00100	1	02/05/2025 17:53	WG2446301
Naphthalene	U	C3	0.00100	0.00500	1	02/05/2025 17:53	WG2446301
n-Propylbenzene	U		0.0000993	0.00100	1	02/10/2025 22:40	WG2449131
Toluene	U		0.000278	0.00100	1	02/05/2025 17:53	WG2446301
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	02/05/2025 17:53	WG2446301
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	02/05/2025 17:53	WG2446301
Xylenes, Total	U		0.000174	0.00300	1	02/05/2025 17:53	WG2446301
(S) Toluene-d8	99.9			80.0-120		02/05/2025 17:53	WG2446301
(S) Toluene-d8	109			80.0-120		02/10/2025 22:40	WG2449131
(S) 4-Bromofluorobenzene	94.1			77.0-126		02/05/2025 17:53	WG2446301
(S) 4-Bromofluorobenzene	104			77.0-126		02/10/2025 22:40	WG2449131
(S) 1,2-Dichloroethane-d4	111			70.0-130		02/05/2025 17:53	WG2446301
(S) 1,2-Dichloroethane-d4	99.6			70.0-130		02/10/2025 22:40	WG2449131

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Diesel Range Organics (DRO)	0.320	B	0.0678	0.100	1	02/08/2025 19:45	WG2447544
(S) o-Terphenyl	88.0			31.0-160		02/08/2025 19:45	WG2447544

Sample Narrative:



Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
---------	----------------	-----------	-------------	-------------	----------	-------------------------	-------

L1822849-04 WG2447544: Sample resembles laboratory standard for Hydraulic Oil and Diesel.

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0000190	0.0000500	1	02/05/2025 16:59	WG2446072
Acenaphthene	U		0.0000190	0.0000500	1	02/05/2025 16:59	WG2446072
Benzo(a)anthracene	0.0000213	<u>BJ</u>	0.0000203	0.0000500	1	02/05/2025 16:59	WG2446072
Benzo(a)pyrene	U		0.0000184	0.0000500	1	02/05/2025 16:59	WG2446072
Benzo(b)fluoranthene	U		0.0000168	0.0000500	1	02/05/2025 16:59	WG2446072
Benzo(k)fluoranthene	U		0.0000202	0.0000500	1	02/05/2025 16:59	WG2446072
Chrysene	0.0000209	<u>BJ</u>	0.0000179	0.0000500	1	02/05/2025 16:59	WG2446072
Dibenz(a,h)anthracene	U		0.0000160	0.0000500	1	02/05/2025 16:59	WG2446072
Fluoranthene	U		0.0000270	0.000100	1	02/05/2025 16:59	WG2446072
Fluorene	U		0.0000169	0.0000500	1	02/05/2025 16:59	WG2446072
Indeno(1,2,3-cd)pyrene	0.0000174	<u>BJ</u>	0.0000158	0.0000500	1	02/05/2025 16:59	WG2446072
Naphthalene	U		0.0000917	0.000250	1	02/05/2025 16:59	WG2446072
Pyrene	0.0000258	<u>BJ</u>	0.0000169	0.0000500	1	02/05/2025 16:59	WG2446072
(S) Nitrobenzene-d5	123			31.0-160		02/05/2025 16:59	WG2446072
(S) 2-Fluorobiphenyl	133			48.0-148		02/05/2025 16:59	WG2446072
(S) p-Terphenyl-d14	114			37.0-146		02/05/2025 16:59	WG2446072

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

TRIP BLANK 1

Collected date/time: 01/31/25 00:00

SAMPLE RESULTS - 05

L1822849

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	0.113	<u>B</u>	0.0316	0.100	1	02/05/2025 13:30	WG2446372
(S) a,a,a-Trifluorotoluene(FID)	98.9			78.0-120		02/05/2025 13:30	WG2446372

1 Cp

2 Tc

3 Ss

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	02/05/2025 13:34	WG2446301
1,2-Dibromoethane	U		0.000126	0.00100	1	02/05/2025 13:34	WG2446301
1,2-Dichloroethane	U		0.0000819	0.00100	1	02/05/2025 13:34	WG2446301
Ethylbenzene	U		0.000137	0.00100	1	02/05/2025 13:34	WG2446301
Isopropylbenzene	U		0.000105	0.00100	1	02/05/2025 13:34	WG2446301
Methyl tert-butyl ether	U		0.000101	0.00100	1	02/05/2025 13:34	WG2446301
Naphthalene	U	<u>C3</u>	0.00100	0.00500	1	02/05/2025 13:34	WG2446301
n-Propylbenzene	U		0.0000993	0.00100	1	02/05/2025 13:34	WG2446301
Toluene	U		0.000278	0.00100	1	02/05/2025 13:34	WG2446301
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	02/05/2025 13:34	WG2446301
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	02/05/2025 13:34	WG2446301
Xylenes, Total	U		0.000174	0.00300	1	02/05/2025 13:34	WG2446301
(S) Toluene-d8	101			80.0-120		02/05/2025 13:34	WG2446301
(S) 4-Bromofluorobenzene	87.4			77.0-126		02/05/2025 13:34	WG2446301
(S) 1,2-Dichloroethane-d4	111			70.0-130		02/05/2025 13:34	WG2446301

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.0000700	0.000200	1	02/06/2025 10:53	WG2445904

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Antimony	U		0.00506	0.0100	1	02/06/2025 02:15	WG2446370
Arsenic	U		0.00783	0.0100	1	02/06/2025 02:15	WG2446370
Beryllium	U		0.000501	0.00200	1	02/06/2025 02:15	WG2446370
Cadmium	U		0.000538	0.00200	1	02/06/2025 02:15	WG2446370
Chromium	U		0.00151	0.0100	1	02/06/2025 02:15	WG2446370
Copper	U		0.00226	0.0100	1	02/06/2025 02:15	WG2446370
Lead	U		0.00243	0.00600	1	02/06/2025 02:15	WG2446370
Nickel	0.00678	J	0.00196	0.0100	1	02/06/2025 02:15	WG2446370
Selenium	U		0.00616	0.0100	1	02/06/2025 02:15	WG2446370
Silver	U		0.00289	0.00500	1	02/06/2025 02:15	WG2446370
Thallium	U		0.00663	0.0100	1	02/06/2025 02:15	WG2446370
Zinc	0.0197	J	0.00467	0.0500	1	02/06/2025 02:15	WG2446370

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Gasoline Range Organics-NWTPH	3.34		0.0316	0.100	1	02/05/2025 15:38	WG2446372
(S) a,a,a-Trifluorotoluene(FID)	105			78.0-120		02/05/2025 15:38	WG2446372

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	0.000925	J	0.0000941	0.00100	1	02/05/2025 18:15	WG2446301
1,2-Dibromoethane	U		0.000126	0.00100	1	02/05/2025 18:15	WG2446301
1,2-Dichloroethane	U		0.0000819	0.00100	1	02/05/2025 18:15	WG2446301
Ethylbenzene	0.000929	J	0.000137	0.00100	1	02/05/2025 18:15	WG2446301
Isopropylbenzene	0.00672		0.000105	0.00100	1	02/05/2025 18:15	WG2446301
Methyl tert-butyl ether	U		0.000101	0.00100	1	02/05/2025 18:15	WG2446301
Naphthalene	U	C3	0.00100	0.00500	1	02/05/2025 18:15	WG2446301
n-Propylbenzene	0.00472		0.0000993	0.00100	1	02/05/2025 18:15	WG2446301
Toluene	U		0.000278	0.00100	1	02/05/2025 18:15	WG2446301
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	02/05/2025 18:15	WG2446301
1,3,5-Trimethylbenzene	0.000165	J	0.000104	0.00100	1	02/05/2025 18:15	WG2446301
Xylenes, Total	U		0.000174	0.00300	1	02/05/2025 18:15	WG2446301
(S) Toluene-d8	95.4			80.0-120		02/05/2025 18:15	WG2446301
(S) 4-Bromofluorobenzene	91.7			77.0-126		02/05/2025 18:15	WG2446301
(S) 1,2-Dichloroethane-d4	124			70.0-130		02/05/2025 18:15	WG2446301

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Diesel Range Organics (DRO)	0.909		0.0678	0.100	1	02/08/2025 20:09	WG2447544
(S) o-Terphenyl	92.0			31.0-160		02/08/2025 20:09	WG2447544

Sample Narrative:

L1822849-06 WG2447544: Sample does not resemble laboratory standard for Jet Fuel.



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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0000190	0.0000500	1	02/05/2025 14:21	WG2446072
Acenaphthene	0.000536		0.0000190	0.0000500	1	02/05/2025 14:21	WG2446072
Benzo(a)anthracene	U		0.0000203	0.0000500	1	02/05/2025 14:21	WG2446072
Benzo(a)pyrene	U		0.0000184	0.0000500	1	02/05/2025 14:21	WG2446072
Benzo(b)fluoranthene	U		0.0000168	0.0000500	1	02/05/2025 14:21	WG2446072
Benzo(k)fluoranthene	U		0.0000202	0.0000500	1	02/05/2025 14:21	WG2446072
Chrysene	0.0000250	<u>BJ</u>	0.0000179	0.0000500	1	02/05/2025 14:21	WG2446072
Dibenz(a,h)anthracene	U		0.0000160	0.0000500	1	02/05/2025 14:21	WG2446072
Fluoranthene	U		0.0000270	0.000100	1	02/05/2025 14:21	WG2446072
Fluorene	U		0.0000169	0.0000500	1	02/05/2025 14:21	WG2446072
Indeno(1,2,3-cd)pyrene	U		0.0000158	0.0000500	1	02/05/2025 14:21	WG2446072
Naphthalene	U		0.0000917	0.000250	1	02/05/2025 14:21	WG2446072
Pyrene	0.0000210	<u>BJ</u>	0.0000169	0.0000500	1	02/05/2025 14:21	WG2446072
(S) Nitrobenzene-d5	0.000	<u>J2</u>		31.0-160		02/05/2025 14:21	WG2446072
(S) 2-Fluorobiphenyl	132			48.0-148		02/05/2025 14:21	WG2446072
(S) p-Terphenyl-d14	115			37.0-146		02/05/2025 14:21	WG2446072

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Sample Narrative:

L1822849-06 WG2446072: Surrogate failure due to matrix interference

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.0000700	0.000200	1	02/06/2025 10:56	WG2445904

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Antimony	U		0.00506	0.0100	1	02/06/2025 02:17	WG2446370
Arsenic	U		0.00783	0.0100	1	02/06/2025 02:17	WG2446370
Beryllium	U		0.000501	0.00200	1	02/06/2025 02:17	WG2446370
Cadmium	U		0.000538	0.00200	1	02/06/2025 02:17	WG2446370
Chromium	0.00156	J	0.00151	0.0100	1	02/06/2025 02:17	WG2446370
Copper	U		0.00226	0.0100	1	02/06/2025 02:17	WG2446370
Lead	U		0.00243	0.00600	1	02/06/2025 02:17	WG2446370
Nickel	0.00489	J	0.00196	0.0100	1	02/06/2025 02:17	WG2446370
Selenium	U		0.00616	0.0100	1	02/06/2025 02:17	WG2446370
Silver	U		0.00289	0.00500	1	02/06/2025 02:17	WG2446370
Thallium	U		0.00663	0.0100	1	02/06/2025 02:17	WG2446370
Zinc	0.0144	J	0.00467	0.0500	1	02/06/2025 02:17	WG2446370

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Gasoline Range Organics-NWTPH	9.87		0.0316	0.100	1	02/05/2025 15:59	WG2446372
(S) a,a,a-Trifluorotoluene(FID)	123	J1		78.0-120		02/05/2025 15:59	WG2446372

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	0.0236		0.0000941	0.00100	1	02/05/2025 18:36	WG2446301
1,2-Dibromoethane	U		0.000126	0.00100	1	02/05/2025 18:36	WG2446301
1,2-Dichloroethane	U		0.0000819	0.00100	1	02/05/2025 18:36	WG2446301
Ethylbenzene	0.855		0.00343	0.0250	25	02/10/2025 23:02	WG2449131
Isopropylbenzene	0.0643		0.000105	0.00100	1	02/05/2025 18:36	WG2446301
Methyl tert-butyl ether	U		0.000101	0.00100	1	02/05/2025 18:36	WG2446301
Naphthalene	0.125	J	0.0250	0.125	25	02/10/2025 23:02	WG2449131
n-Propylbenzene	0.190		0.0000993	0.00100	1	02/05/2025 18:36	WG2446301
Toluene	0.00397		0.000278	0.00100	1	02/05/2025 18:36	WG2446301
1,2,4-Trimethylbenzene	0.104		0.000322	0.00100	1	02/05/2025 18:36	WG2446301
1,3,5-Trimethylbenzene	0.0991		0.000104	0.00100	1	02/05/2025 18:36	WG2446301
Xylenes, Total	0.376		0.000174	0.00300	1	02/05/2025 18:36	WG2446301
(S) Toluene-d8	104			80.0-120		02/05/2025 18:36	WG2446301
(S) Toluene-d8	101			80.0-120		02/10/2025 23:02	WG2449131
(S) 4-Bromofluorobenzene	95.3			77.0-126		02/05/2025 18:36	WG2446301
(S) 4-Bromofluorobenzene	96.9			77.0-126		02/10/2025 23:02	WG2449131
(S) 1,2-Dichloroethane-d4	129			70.0-130		02/05/2025 18:36	WG2446301
(S) 1,2-Dichloroethane-d4	96.3			70.0-130		02/10/2025 23:02	WG2449131

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Diesel Range Organics (DRO)	2.00		0.0678	0.100	1	02/08/2025 20:33	WG2447544
(S) o-Terphenyl	75.5			31.0-160		02/08/2025 20:33	WG2447544

Sample Narrative:



Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
L1822849-07 WG2447544: Sample does not resemble laboratory standard for Jet Fuel.							

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	0.0000241	<u>B</u> <u>J</u>	0.0000190	0.0000500	1	02/05/2025 17:17	WG2446072
Acenaphthene	0.000353		0.0000190	0.0000500	1	02/05/2025 17:17	WG2446072
Benzo(a)anthracene	0.0000227	<u>B</u> <u>J</u>	0.0000203	0.0000500	1	02/05/2025 17:17	WG2446072
Benzo(a)pyrene	U		0.0000184	0.0000500	1	02/05/2025 17:17	WG2446072
Benzo(b)fluoranthene	U		0.0000168	0.0000500	1	02/05/2025 17:17	WG2446072
Benzo(k)fluoranthene	U		0.0000202	0.0000500	1	02/05/2025 17:17	WG2446072
Chrysene	0.0000180	<u>B</u> <u>J</u>	0.0000179	0.0000500	1	02/05/2025 17:17	WG2446072
Dibenz(a,h)anthracene	U		0.0000160	0.0000500	1	02/05/2025 17:17	WG2446072
Fluoranthene	U		0.0000270	0.000100	1	02/05/2025 17:17	WG2446072
Fluorene	0.000207		0.0000169	0.0000500	1	02/05/2025 17:17	WG2446072
Indeno(1,2,3-cd)pyrene	U		0.0000158	0.0000500	1	02/05/2025 17:17	WG2446072
Naphthalene	0.106		0.000917	0.00250	10	02/06/2025 20:24	WG2446072
Pyrene	0.0000187	<u>B</u> <u>J</u>	0.0000169	0.0000500	1	02/05/2025 17:17	WG2446072
(S) Nitrobenzene-d5	0.000	<u>J</u> <u>2</u>		31.0-160		02/05/2025 17:17	WG2446072
(S) Nitrobenzene-d5	0.000	<u>J</u> <u>2</u>		31.0-160		02/06/2025 20:24	WG2446072
(S) 2-Fluorobiphenyl	123			48.0-148		02/05/2025 17:17	WG2446072
(S) 2-Fluorobiphenyl	126			48.0-148		02/06/2025 20:24	WG2446072
(S) p-Terphenyl-d14	112			37.0-146		02/05/2025 17:17	WG2446072
(S) p-Terphenyl-d14	119			37.0-146		02/06/2025 20:24	WG2446072

Sample Narrative:

L1822849-07 WG2446072: Surrogate failure due to matrix interference
 L1822849-07 WG2446072: Dilution and surrogate failure due to matrix interference.



BLS-RINSATE-1

Collected date/time: 01/31/25 12:30

SAMPLE RESULTS - 08

L1822849

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.0000700	0.000200	1	02/06/2025 10:27	WG2445904

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Antimony	U		0.00506	0.0100	1	02/06/2025 02:19	WG2446370
Arsenic	U		0.00783	0.0100	1	02/06/2025 02:19	WG2446370
Beryllium	U		0.000501	0.00200	1	02/06/2025 02:19	WG2446370
Cadmium	U		0.000538	0.00200	1	02/06/2025 02:19	WG2446370
Chromium	U		0.00151	0.0100	1	02/06/2025 02:19	WG2446370
Copper	0.0115		0.00226	0.0100	1	02/06/2025 02:19	WG2446370
Lead	U		0.00243	0.00600	1	02/06/2025 02:19	WG2446370
Nickel	U		0.00196	0.0100	1	02/06/2025 02:19	WG2446370
Selenium	U		0.00616	0.0100	1	02/06/2025 02:19	WG2446370
Silver	U		0.00289	0.00500	1	02/06/2025 02:19	WG2446370
Thallium	U		0.00663	0.0100	1	02/06/2025 02:19	WG2446370
Zinc	0.00581	J	0.00467	0.0500	1	02/06/2025 02:19	WG2446370

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Gasoline Range Organics-NWTPH	0.287	B	0.0316	0.100	1	02/05/2025 16:20	WG2446372
(S) a,a,a-Trifluorotoluene(FID)	99.7			78.0-120		02/05/2025 16:20	WG2446372

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	02/05/2025 18:58	WG2446301
1,2-Dibromoethane	U		0.000126	0.00100	1	02/05/2025 18:58	WG2446301
1,2-Dichloroethane	U		0.0000819	0.00100	1	02/05/2025 18:58	WG2446301
Ethylbenzene	U		0.000137	0.00100	1	02/10/2025 23:23	WG2449131
Isopropylbenzene	U		0.000105	0.00100	1	02/10/2025 23:23	WG2449131
Methyl tert-butyl ether	U		0.000101	0.00100	1	02/05/2025 18:58	WG2446301
Naphthalene	U		0.00100	0.00500	1	02/10/2025 23:23	WG2449131
n-Propylbenzene	U		0.0000993	0.00100	1	02/10/2025 23:23	WG2449131
Toluene	U		0.000278	0.00100	1	02/05/2025 18:58	WG2446301
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	02/10/2025 23:23	WG2449131
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	02/10/2025 23:23	WG2449131
Xylenes, Total	U		0.000174	0.00300	1	02/10/2025 23:23	WG2449131
(S) Toluene-d8	101			80.0-120		02/05/2025 18:58	WG2446301
(S) Toluene-d8	107			80.0-120		02/10/2025 23:23	WG2449131
(S) 4-Bromofluorobenzene	93.9			77.0-126		02/05/2025 18:58	WG2446301
(S) 4-Bromofluorobenzene	101			77.0-126		02/10/2025 23:23	WG2449131
(S) 1,2-Dichloroethane-d4	110			70.0-130		02/05/2025 18:58	WG2446301
(S) 1,2-Dichloroethane-d4	98.8			70.0-130		02/10/2025 23:23	WG2449131

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Diesel Range Organics (DRO)	0.118	B	0.0678	0.100	1	02/08/2025 20:58	WG2447544
(S) o-Terphenyl	89.5			31.0-160		02/08/2025 20:58	WG2447544

Sample Narrative:

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

ACCOUNT:

Eastern Research Group Inc- Concord, MA

PROJECT:

0425.00.016.090

SDG:

L1822849

DATE/TIME:

03/03/25 10:14

PAGE:

20 of 43

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
---------	----------------	-----------	-------------	-------------	----------	-------------------------	-------

L1822849-08 WG2447544: Sample resembles laboratory standard for Hydraulic Oil and Gasoline.

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0000190	0.0000500	1	02/05/2025 14:38	WG2446072
Acenaphthene	U		0.0000190	0.0000500	1	02/05/2025 14:38	WG2446072
Benzo(a)anthracene	0.0000234	<u>B</u> <u>J</u>	0.0000203	0.0000500	1	02/05/2025 14:38	WG2446072
Benzo(a)pyrene	0.0000184	<u>J</u>	0.0000184	0.0000500	1	02/05/2025 14:38	WG2446072
Benzo(b)fluoranthene	U		0.0000168	0.0000500	1	02/05/2025 14:38	WG2446072
Benzo(k)fluoranthene	U		0.0000202	0.0000500	1	02/05/2025 14:38	WG2446072
Chrysene	U		0.0000179	0.0000500	1	02/05/2025 14:38	WG2446072
Dibenz(a,h)anthracene	U		0.0000160	0.0000500	1	02/05/2025 14:38	WG2446072
Fluoranthene	U		0.0000270	0.000100	1	02/05/2025 14:38	WG2446072
Fluorene	U		0.0000169	0.0000500	1	02/05/2025 14:38	WG2446072
Indeno(1,2,3-cd)pyrene	U		0.0000158	0.0000500	1	02/05/2025 14:38	WG2446072
Naphthalene	U		0.0000917	0.000250	1	02/05/2025 14:38	WG2446072
Pyrene	0.0000184	<u>B</u> <u>J</u>	0.0000169	0.0000500	1	02/05/2025 14:38	WG2446072
(S) Nitrobenzene-d5	117			31.0-160		02/05/2025 14:38	WG2446072
(S) 2-Fluorobiphenyl	129			48.0-148		02/05/2025 14:38	WG2446072
(S) p-Terphenyl-d14	118			37.0-146		02/05/2025 14:38	WG2446072

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

BLS-RINSATE-2

Collected date/time: 02/01/25 08:15

SAMPLE RESULTS - 09

L1822849

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.0000700	0.000200	1	02/06/2025 10:58	WG2445904

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Antimony	U		0.00506	0.0100	1	02/06/2025 02:20	WG2446370
Arsenic	U		0.00783	0.0100	1	02/06/2025 02:20	WG2446370
Beryllium	U		0.000501	0.00200	1	02/06/2025 02:20	WG2446370
Cadmium	U		0.000538	0.00200	1	02/06/2025 02:20	WG2446370
Chromium	U		0.00151	0.0100	1	02/06/2025 02:20	WG2446370
Copper	0.0115		0.00226	0.0100	1	02/06/2025 02:20	WG2446370
Lead	U		0.00243	0.00600	1	02/06/2025 02:20	WG2446370
Nickel	U		0.00196	0.0100	1	02/06/2025 02:20	WG2446370
Selenium	U		0.00616	0.0100	1	02/06/2025 02:20	WG2446370
Silver	U		0.00289	0.00500	1	02/06/2025 02:20	WG2446370
Thallium	U		0.00663	0.0100	1	02/06/2025 02:20	WG2446370
Zinc	0.00520	J	0.00467	0.0500	1	02/06/2025 02:20	WG2446370

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Gasoline Range Organics-NWTPH	0.0805	B_J	0.0316	0.100	1	02/05/2025 16:42	WG2446372
(S) a,a,a-Trifluorotoluene(FID)	99.6			78.0-120		02/05/2025 16:42	WG2446372

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	02/05/2025 19:20	WG2446301
1,2-Dibromoethane	U		0.000126	0.00100	1	02/05/2025 19:20	WG2446301
1,2-Dichloroethane	U		0.0000819	0.00100	1	02/05/2025 19:20	WG2446301
Ethylbenzene	U		0.000137	0.00100	1	02/10/2025 23:44	WG2449131
Isopropylbenzene	U		0.000105	0.00100	1	02/05/2025 19:20	WG2446301
Methyl tert-butyl ether	U		0.000101	0.00100	1	02/05/2025 19:20	WG2446301
Naphthalene	U	C3	0.00100	0.00500	1	02/05/2025 19:20	WG2446301
n-Propylbenzene	U		0.0000993	0.00100	1	02/10/2025 23:44	WG2449131
Toluene	U		0.000278	0.00100	1	02/05/2025 19:20	WG2446301
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	02/05/2025 19:20	WG2446301
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	02/05/2025 19:20	WG2446301
Xylenes, Total	U		0.000174	0.00300	1	02/10/2025 23:44	WG2449131
(S) Toluene-d8	99.9			80.0-120		02/05/2025 19:20	WG2446301
(S) Toluene-d8	106			80.0-120		02/10/2025 23:44	WG2449131
(S) 4-Bromofluorobenzene	92.1			77.0-126		02/05/2025 19:20	WG2446301
(S) 4-Bromofluorobenzene	99.9			77.0-126		02/10/2025 23:44	WG2449131
(S) 1,2-Dichloroethane-d4	107			70.0-130		02/05/2025 19:20	WG2446301
(S) 1,2-Dichloroethane-d4	98.8			70.0-130		02/10/2025 23:44	WG2449131

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Diesel Range Organics (DRO)	0.110	B	0.0678	0.100	1	02/08/2025 21:22	WG2447544
(S) o-Terphenyl	89.5			31.0-160		02/08/2025 21:22	WG2447544

Sample Narrative:

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

ACCOUNT:

Eastern Research Group Inc- Concord, MA

PROJECT:

0425.00.016.090

SDG:

L1822849

DATE/TIME:

03/03/25 10:14

PAGE:

22 of 43

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
L1822849-09 WG2447544: Sample resembles laboratory standard for Hydraulic Oil and Gasoline.							

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0000190	0.0000500	1	02/05/2025 14:56	WG2446072
Acenaphthene	U		0.0000190	0.0000500	1	02/05/2025 14:56	WG2446072
Benzo(a)anthracene	0.0000204	<u>BJ</u>	0.0000203	0.0000500	1	02/05/2025 14:56	WG2446072
Benzo(a)pyrene	U		0.0000184	0.0000500	1	02/05/2025 14:56	WG2446072
Benzo(b)fluoranthene	U		0.0000168	0.0000500	1	02/05/2025 14:56	WG2446072
Benzo(k)fluoranthene	U		0.0000202	0.0000500	1	02/05/2025 14:56	WG2446072
Chrysene	0.0000219	<u>BJ</u>	0.0000179	0.0000500	1	02/05/2025 14:56	WG2446072
Dibenz(a,h)anthracene	U		0.0000160	0.0000500	1	02/05/2025 14:56	WG2446072
Fluoranthene	U		0.0000270	0.000100	1	02/05/2025 14:56	WG2446072
Fluorene	U		0.0000169	0.0000500	1	02/05/2025 14:56	WG2446072
Indeno(1,2,3-cd)pyrene	U		0.0000158	0.0000500	1	02/05/2025 14:56	WG2446072
Naphthalene	U		0.0000917	0.000250	1	02/05/2025 14:56	WG2446072
Pyrene	U		0.0000169	0.0000500	1	02/05/2025 14:56	WG2446072
(S) Nitrobenzene-d5	115			31.0-160		02/05/2025 14:56	WG2446072
(S) 2-Fluorobiphenyl	128			48.0-148		02/05/2025 14:56	WG2446072
(S) p-Terphenyl-d14	112			37.0-146		02/05/2025 14:56	WG2446072

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	0.0572	<u>B</u> <u>J</u>	0.0316	0.100	1	02/05/2025 13:52	WG2446372
(S) a,a,a-Trifluorotoluene(FID)	99.3			78.0-120		02/05/2025 13:52	WG2446372

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

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	02/05/2025 13:55	WG2446301
1,2-Dibromoethane	U		0.000126	0.00100	1	02/05/2025 13:55	WG2446301
1,2-Dichloroethane	U		0.0000819	0.00100	1	02/05/2025 13:55	WG2446301
Ethylbenzene	U		0.000137	0.00100	1	02/05/2025 13:55	WG2446301
Isopropylbenzene	U		0.000105	0.00100	1	02/05/2025 13:55	WG2446301
Methyl tert-butyl ether	U		0.000101	0.00100	1	02/05/2025 13:55	WG2446301
Naphthalene	U	<u>C3</u>	0.00100	0.00500	1	02/05/2025 13:55	WG2446301
n-Propylbenzene	U		0.0000993	0.00100	1	02/05/2025 13:55	WG2446301
Toluene	U		0.000278	0.00100	1	02/05/2025 13:55	WG2446301
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	02/05/2025 13:55	WG2446301
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	02/05/2025 13:55	WG2446301
Xylenes, Total	U		0.000174	0.00300	1	02/05/2025 13:55	WG2446301
(S) Toluene-d8	101			80.0-120		02/05/2025 13:55	WG2446301
(S) 4-Bromofluorobenzene	92.6			77.0-126		02/05/2025 13:55	WG2446301
(S) 1,2-Dichloroethane-d4	115			70.0-130		02/05/2025 13:55	WG2446301

Method Blank (MB)

(MB) R4174675-1 02/08/25 13:39

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Mercury	U		0.0000700	0.000200

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4174675-2 02/08/25 13:41

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Mercury	0.00300	0.00293	97.8	80.0-120	

4 Cn

5 Sr

L1822849-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1822849-03 02/08/25 13:44 • (MS) R4174675-4 02/08/25 13:48 • (MSD) R4174675-5 02/08/25 13:51

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Mercury	0.00300	U	0.00296	0.00308	98.6	103	1	75.0-125			4.12	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4174053-1 02/06/25 10:22

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.0000700	0.000200

Laboratory Control Sample (LCS)

(LCS) R4174053-2 02/06/25 10:24

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00300	0.00315	105	80.0-120	

L1822849-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1822849-08 02/06/25 10:27 • (MS) R4174053-5 02/06/25 10:35 • (MSD) R4174053-4 02/06/25 10:32

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	U	0.00312	0.00319	104	106	1	75.0-125			2.05	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4173878-1 02/06/25 01:34

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Antimony	U		0.00506	0.0100
Arsenic	U		0.00783	0.0100
Beryllium	U		0.000501	0.00200
Cadmium	U		0.000538	0.00200
Chromium	U		0.00151	0.0100
Copper	U		0.00226	0.0100
Lead	U		0.00243	0.00600
Nickel	U		0.00196	0.0100
Selenium	U		0.00616	0.0100
Silver	U		0.00289	0.00500
Thallium	U		0.00663	0.0100
Zinc	U		0.00467	0.0500

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4173878-2 02/06/25 01:36

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	1.00	0.944	94.4	80.0-120	
Arsenic	1.00	0.972	97.2	80.0-120	
Beryllium	1.00	0.973	97.3	80.0-120	
Cadmium	1.00	0.974	97.4	80.0-120	
Chromium	1.00	1.02	102	80.0-120	
Copper	1.00	1.01	101	80.0-120	
Lead	1.00	0.952	95.2	80.0-120	
Nickel	1.00	0.935	93.5	80.0-120	
Selenium	1.00	0.946	94.6	80.0-120	
Silver	0.200	0.199	99.3	80.0-120	
Thallium	1.00	1.02	102	80.0-120	
Zinc	1.00	0.983	98.3	80.0-120	

L1822849-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1822849-03 02/06/25 01:38 • (MS) R4173878-4 02/06/25 01:41 • (MSD) R4173878-5 02/06/25 01:43

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	1.00	U	0.965	0.952	96.5	95.2	1	75.0-125			1.33	20
Arsenic	1.00	U	1.01	0.985	101	98.5	1	75.0-125			2.05	20
Beryllium	1.00	U	0.998	0.979	99.8	97.9	1	75.0-125			1.89	20

L1822849-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1822849-03 02/06/25 01:38 • (MS) R4173878-4 02/06/25 01:41 • (MSD) R4173878-5 02/06/25 01:43

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cadmium	1.00	U	0.984	0.966	98.4	96.6	1	75.0-125			1.86	20
Chromium	1.00	U	1.03	0.991	103	99.1	1	75.0-125			3.51	20
Copper	1.00	U	1.03	1.01	103	101	1	75.0-125			2.38	20
Lead	1.00	0.00295	0.972	0.958	96.9	95.5	1	75.0-125			1.40	20
Nickel	1.00	0.00219	0.963	0.948	96.1	94.6	1	75.0-125			1.63	20
Selenium	1.00	U	0.973	0.953	97.3	95.3	1	75.0-125			2.09	20
Silver	0.200	U	0.204	0.201	102	101	1	75.0-125			1.30	20
Thallium	1.00	U	1.04	1.00	104	100	1	75.0-125			3.19	20
Zinc	1.00	0.0357	1.03	1.00	99.2	96.9	1	75.0-125			2.35	20

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

Method Blank (MB)

(MB) R4174048-2 02/05/25 11:38

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Gasoline Range Organics-NWTPH	0.0638	J	0.0316	0.100
(S) a,a,a-Trifluorotoluene(FID)	97.4			78.0-120

Laboratory Control Sample (LCS)

(LCS) R4174048-1 02/05/25 10:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5.00	5.10	102	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			101	78.0-120	

L1822849-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1822849-03 02/05/25 14:56 • (MS) R4174048-3 02/05/25 20:13 • (MSD) R4174048-4 02/05/25 20:34

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5.00	0.771	3.25	3.55	49.6	55.6	1	10.0-155			8.82	21
(S) a,a,a-Trifluorotoluene(FID)					102	95.4		78.0-120				

L1822948-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1822948-01 02/05/25 18:06 • (MS) R4174048-5 02/05/25 20:56 • (MSD) R4174048-6 02/05/25 21:17

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5.00	0.0588	2.82	2.59	55.2	50.6	1	10.0-155			8.50	21
(S) a,a,a-Trifluorotoluene(FID)					93.4	94.0		78.0-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4174573-2 02/04/25 23:17

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
1,2-Dibromoethane	U		0.000126	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
Isopropylbenzene	U		0.000105	0.00100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Toluene	U		0.000278	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	93.9			80.0-120
(S) 4-Bromofluorobenzene	103			77.0-126
(S) 1,2-Dichloroethane-d4	98.9			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R4174573-1 02/04/25 22:31

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.00500	0.00602	120	70.0-123	
1,2-Dibromoethane	0.00500	0.00464	92.8	80.0-122	
1,2-Dichloroethane	0.00500	0.00550	110	70.0-128	
Isopropylbenzene	0.00500	0.00447	89.4	76.0-127	
Methyl tert-butyl ether	0.00500	0.00574	115	68.0-125	
Naphthalene	0.00500	0.00342	68.4	54.0-135	J
n-Propylbenzene	0.00500	0.00466	93.2	77.0-124	
Toluene	0.00500	0.00479	95.8	79.0-120	
1,2,4-Trimethylbenzene	0.00500	0.00445	89.0	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00472	94.4	76.0-122	
Xylenes, Total	0.0150	0.0138	92.0	79.0-123	
(S) Toluene-d8			93.9	80.0-120	
(S) 4-Bromofluorobenzene			105	77.0-126	
(S) 1,2-Dichloroethane-d4			95.3	70.0-130	

Method Blank (MB)

(MB) R4174980-2 02/05/25 10:51

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
1,2-Dibromoethane	U		0.000126	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Toluene	U		0.000278	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	100			80.0-120
(S) 4-Bromofluorobenzene	91.1			77.0-126
(S) 1,2-Dichloroethane-d4	112			70.0-130

Laboratory Control Sample (LCS)

(LCS) R4174980-1 02/05/25 10:09

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.00500	0.00453	90.6	70.0-123	
1,2-Dibromoethane	0.00500	0.00440	88.0	80.0-122	
1,2-Dichloroethane	0.00500	0.00509	102	70.0-128	
Ethylbenzene	0.00500	0.00458	91.6	79.0-123	
Isopropylbenzene	0.00500	0.00437	87.4	76.0-127	
Methyl tert-butyl ether	0.00500	0.00479	95.8	68.0-125	
Naphthalene	0.00500	0.00379	75.8	54.0-135	J
n-Propylbenzene	0.00500	0.00505	101	77.0-124	
Toluene	0.00500	0.00462	92.4	79.0-120	
1,2,4-Trimethylbenzene	0.00500	0.00468	93.6	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00490	98.0	76.0-122	
Xylenes, Total	0.0150	0.0134	89.3	79.0-123	
(S) Toluene-d8			101	80.0-120	
(S) 4-Bromofluorobenzene			98.1	77.0-126	
(S) 1,2-Dichloroethane-d4			114	70.0-130	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1822849-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1822849-03 02/05/25 17:31 • (MS) R4174980-3 02/05/25 20:03 • (MSD) R4174980-4 02/05/25 20:25

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	U	0.00579	0.00580	116	116	1	17.0-158			0.173	27
1,2-Dibromoethane	0.00500	U	0.00541	0.00539	108	108	1	34.0-147			0.370	27
1,2-Dichloroethane	0.00500	U	0.00601	0.00590	120	118	1	29.0-151			1.85	27
Ethylbenzene	0.00500	0.000959	0.00638	0.00623	108	105	1	30.0-155			2.38	27
Isopropylbenzene	0.00500	0.00515	0.0113	0.0105	123	107	1	28.0-157			7.34	27
Methyl tert-butyl ether	0.00500	U	0.00594	0.00586	119	117	1	28.0-150			1.36	29
Naphthalene	0.00500	0.00317	0.00577	0.00654	52.0	67.4	1	12.0-156			12.5	35
n-Propylbenzene	0.00500	0.0137	0.0199	0.0199	124	124	1	31.0-154			0.000	28
Toluene	0.00500	U	0.00590	0.00589	118	118	1	26.0-154			0.170	28
1,2,4-Trimethylbenzene	0.00500	0.000345	0.00662	0.00719	126	137	1	26.0-154			8.25	27
1,3,5-Trimethylbenzene	0.00500	0.000127	0.00706	0.00748	139	147	1	28.0-153			5.78	27
Xylenes, Total	0.0150	0.000385	0.0173	0.0171	113	111	1	29.0-154			1.16	28
(S) Toluene-d8					99.1	98.1		80.0-120				
(S) 4-Bromofluorobenzene					93.9	93.8		77.0-126				
(S) 1,2-Dichloroethane-d4					108	105		70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4175049-3 02/08/25 09:00

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Ethylbenzene	U		0.000137	0.00100
(S) Toluene-d8	97.7			80.0-120
(S) 4-Bromofluorobenzene	98.5			77.0-126
(S) 1,2-Dichloroethane-d4	107			70.0-130

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

(LCS) R4175049-1 02/08/25 07:59 • (LCSD) R4175049-2 02/08/25 08:19

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 %
Ethylbenzene	0.00500	0.00444	0.00422	88.8	84.4	79.0-123			5.08	20
(S) Toluene-d8				97.6	96.7	80.0-120				
(S) 4-Bromofluorobenzene				97.3	94.6	77.0-126				
(S) 1,2-Dichloroethane-d4				104	105	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4175328-3 02/10/25 20:59

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	109			80.0-120
(S) 4-Bromofluorobenzene	106			77.0-126
(S) 1,2-Dichloroethane-d4	102			70.0-130

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

(LCS) R4175328-1 02/10/25 19:54 • (LCSD) R4175328-2 02/10/25 20:16

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
Ethylbenzene	0.00500	0.00523	0.00530	105	106	79.0-123			1.33	20
Isopropylbenzene	0.00500	0.00520	0.00546	104	109	76.0-127			4.88	20
Naphthalene	0.00500	0.00463	0.00472	92.6	94.4	54.0-135	↓	↓	1.93	20
n-Propylbenzene	0.00500	0.00495	0.00495	99.0	99.0	77.0-124			0.000	20
1,2,4-Trimethylbenzene	0.00500	0.00488	0.00509	97.6	102	76.0-121			4.21	20
1,3,5-Trimethylbenzene	0.00500	0.00481	0.00490	96.2	98.0	76.0-122			1.85	20
Xylenes, Total	0.0150	0.0150	0.0160	100	107	79.0-123			6.45	20
(S) Toluene-d8				100	99.7	80.0-120				
(S) 4-Bromofluorobenzene				95.3	96.7	77.0-126				
(S) 1,2-Dichloroethane-d4				99.4	99.7	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4174883-1 02/08/25 16:53

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Diesel Range Organics (DRO)	0.0689	↓	0.0678	0.100
<i>(S) o-Terphenyl</i>	86.0			31.0-160

Laboratory Control Sample (LCS)

(LCS) R4174883-2 02/08/25 17:17

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Diesel Range Organics (DRO)	1.50	1.37	91.3	50.0-150	
<i>(S) o-Terphenyl</i>			85.0	31.0-160	

L1822849-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1822849-03 02/08/25 18:31 • (MS) R4174883-3 02/08/25 18:55 • (MSD) R4174883-4 02/08/25 19:20

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Diesel Range Organics (DRO)	1.50	0.356	1.64	1.08	85.6	48.3	1	50.0-150		J3 J6	41.2	20
<i>(S) o-Terphenyl</i>					95.5	57.0		31.0-160				

Sample Narrative:

OS: Sample resembles laboratory standard for Gasoline.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4173903-3 02/05/25 13:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Anthracene	0.0000279	↓	0.0000190	0.0000500
Acenaphthene	0.0000196	↓	0.0000190	0.0000500
Benzo(a)anthracene	0.0000434	↓	0.0000203	0.0000500
Benzo(a)pyrene	0.0000373	↓	0.0000184	0.0000500
Benzo(b)fluoranthene	0.0000387	↓	0.0000168	0.0000500
Benzo(k)fluoranthene	0.0000351	↓	0.0000202	0.0000500
Chrysene	0.0000449	↓	0.0000179	0.0000500
Dibenz(a,h)anthracene	0.0000362	↓	0.0000160	0.0000500
Fluoranthene	0.0000375	↓	0.0000270	0.000100
Fluorene	0.0000223	↓	0.0000169	0.0000500
Indeno(1,2,3-cd)pyrene	0.0000371	↓	0.0000158	0.0000500
Naphthalene	U		0.0000917	0.000250
Pyrene	0.0000395	↓	0.0000169	0.0000500
(S) Nitrobenzene-d5	112			31.0-160
(S) 2-Fluorobiphenyl	115			48.0-148
(S) p-Terphenyl-d14	115			37.0-146



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

(LCS) R4173903-1 02/05/25 12:56 • (LCSD) R4173903-2 02/05/25 13:14

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Anthracene	0.00200	0.00191	0.00189	95.5	94.5	67.0-150			1.05	20
Acenaphthene	0.00200	0.00186	0.00191	93.0	95.5	65.0-138			2.65	20
Benzo(a)anthracene	0.00200	0.00189	0.00189	94.5	94.5	61.0-140			0.000	20
Benzo(a)pyrene	0.00200	0.00169	0.00176	84.5	88.0	60.0-143			4.06	20
Benzo(b)fluoranthene	0.00200	0.00185	0.00194	92.5	97.0	58.0-141			4.75	20
Benzo(k)fluoranthene	0.00200	0.00166	0.00179	83.0	89.5	58.0-148			7.54	20
Chrysene	0.00200	0.00198	0.00208	99.0	104	64.0-144			4.93	20
Dibenz(a,h)anthracene	0.00200	0.00187	0.00203	93.5	102	52.0-155			8.21	20
Fluoranthene	0.00200	0.00198	0.00201	99.0	100	69.0-153			1.50	20
Fluorene	0.00200	0.00191	0.00206	95.5	103	64.0-136			7.56	20
Indeno(1,2,3-cd)pyrene	0.00200	0.00166	0.00184	83.0	92.0	54.0-153			10.3	20
Naphthalene	0.00200	0.00187	0.00192	93.5	96.0	61.0-137			2.64	20
Pyrene	0.00200	0.00202	0.00209	101	104	60.0-142			3.41	20
(S) Nitrobenzene-d5				115	112	31.0-160				
(S) 2-Fluorobiphenyl				107	111	48.0-148				
(S) p-Terphenyl-d14				105	111	37.0-146				

Method Blank (MB)

(MB) R4173962-2 02/05/25 13:45

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Anthracene	0.0000246	↓	0.0000190	0.0000500
Acenaphthene	U		0.0000190	0.0000500
Benzo(a)anthracene	0.0000377	↓	0.0000203	0.0000500
Benzo(a)pyrene	0.0000270	↓	0.0000184	0.0000500
Benzo(b)fluoranthene	0.0000295	↓	0.0000168	0.0000500
Benzo(k)fluoranthene	0.0000274	↓	0.0000202	0.0000500
Chrysene	0.0000363	↓	0.0000179	0.0000500
Dibenz(a,h)anthracene	0.0000335	↓	0.0000160	0.0000500
Fluoranthene	U		0.0000270	0.000100
Fluorene	U		0.0000169	0.0000500
Indeno(1,2,3-cd)pyrene	0.0000306	↓	0.0000158	0.0000500
Naphthalene	U		0.0000917	0.000250
Pyrene	0.0000302	↓	0.0000169	0.0000500
(S) Nitrobenzene-d5	109			31.0-160
(S) 2-Fluorobiphenyl	127			48.0-148
(S) p-Terphenyl-d14	115			37.0-146

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4173962-1 02/05/25 13:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.00200	0.00226	113	67.0-150	
Acenaphthene	0.00200	0.00211	105	65.0-138	
Benzo(a)anthracene	0.00200	0.00220	110	61.0-140	
Benzo(a)pyrene	0.00200	0.00193	96.5	60.0-143	
Benzo(b)fluoranthene	0.00200	0.00198	99.0	58.0-141	
Benzo(k)fluoranthene	0.00200	0.00194	97.0	58.0-148	
Chrysene	0.00200	0.00222	111	64.0-144	
Dibenz(a,h)anthracene	0.00200	0.00206	103	52.0-155	
Fluoranthene	0.00200	0.00255	128	69.0-153	
Fluorene	0.00200	0.00231	115	64.0-136	
Indeno(1,2,3-cd)pyrene	0.00200	0.00196	98.0	54.0-153	
Naphthalene	0.00200	0.00216	108	61.0-137	
Pyrene	0.00200	0.00203	102	60.0-142	
(S) Nitrobenzene-d5			117	31.0-160	
(S) 2-Fluorobiphenyl			129	48.0-148	
(S) p-Terphenyl-d14			117	37.0-146	

L1822849-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1822849-03 02/05/25 15:14 • (MS) R4173962-3 02/05/25 15:31 • (MSD) R4173962-4 02/05/25 15:49

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.00190	U	0.00213	0.00208	112	109	1	56.0-156			2.38	20
Acenaphthene	0.00190	0.000163	0.00221	0.00214	108	104	1	44.0-153			3.22	20
Benzo(a)anthracene	0.00190	0.0000239	0.00203	0.00198	106	103	1	47.0-151			2.49	20
Benzo(a)pyrene	0.00190	U	0.00178	0.00175	93.7	92.1	1	45.0-146			1.70	20
Benzo(b)fluoranthene	0.00190	U	0.00186	0.00182	97.9	95.8	1	43.0-142			2.17	20
Benzo(k)fluoranthene	0.00190	U	0.00179	0.00174	94.2	91.6	1	43.0-148			2.83	21
Chrysene	0.00190	0.0000215	0.00209	0.00206	109	107	1	50.0-148			1.45	20
Dibenz(a,h)anthracene	0.00190	U	0.00185	0.00179	97.4	94.2	1	37.0-151			3.30	20
Fluoranthene	0.00190	U	0.00240	0.00229	126	121	1	56.0-157			4.69	20
Fluorene	0.00190	0.000143	0.00246	0.00239	122	118	1	48.0-148			2.89	20
Indeno(1,2,3-cd)pyrene	0.00190	0.0000160	0.00182	0.00176	94.9	91.8	1	41.0-148			3.35	20
Naphthalene	0.00190	U	0.00258	0.00255	136	134	1	10.0-160			1.17	20
Pyrene	0.00190	0.0000174	0.00189	0.00184	98.6	95.9	1	51.0-148			2.68	20
(S) Nitrobenzene-d5					122	115		31.0-160				
(S) 2-Fluorobiphenyl					135	131		48.0-148				
(S) p-Terphenyl-d14					117	113		37.0-146				

L1823013-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1823013-03 02/05/25 16:06 • (MS) R4173962-5 02/05/25 16:24 • (MSD) R4173962-6 02/05/25 16:42

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.00190	U	0.00205	0.00207	108	109	1	56.0-156			0.971	20
Acenaphthene	0.00190	U	0.00190	0.00197	100	104	1	44.0-153			3.62	20
Benzo(a)anthracene	0.00190	0.0000217	0.00201	0.00194	105	101	1	47.0-151			3.54	20
Benzo(a)pyrene	0.00190	U	0.00180	0.00171	94.7	90.0	1	45.0-146			5.13	20
Benzo(b)fluoranthene	0.00190	0.0000181	0.00188	0.00175	98.0	91.2	1	43.0-142			7.16	20
Benzo(k)fluoranthene	0.00190	U	0.00177	0.00170	93.2	89.5	1	43.0-148			4.03	21
Chrysene	0.00190	0.0000265	0.00209	0.00200	109	104	1	50.0-148			4.40	20
Dibenz(a,h)anthracene	0.00190	U	0.00196	0.00180	103	94.7	1	37.0-151			8.51	20
Fluoranthene	0.00190	U	0.00233	0.00232	123	122	1	56.0-157			0.430	20
Fluorene	0.00190	U	0.00218	0.00221	115	116	1	48.0-148			1.37	20
Indeno(1,2,3-cd)pyrene	0.00190	U	0.00189	0.00175	99.5	92.1	1	41.0-148			7.69	20
Naphthalene	0.00190	U	0.00192	0.00202	101	106	1	10.0-160			5.08	20
Pyrene	0.00190	0.0000199	0.00184	0.00184	95.8	95.8	1	51.0-148			0.000	20
(S) Nitrobenzene-d5					105	110		31.0-160				
(S) 2-Fluorobiphenyl					125	129		48.0-148				
(S) p-Terphenyl-d14					116	111		37.0-146				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

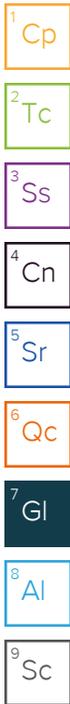
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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.
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.



ACCREDITATIONS & LOCATIONS

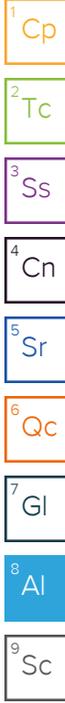
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Company Name/Address:
Eastern Research Group Inc- Concord, MA
561 Virginia Road Bldg. 4

Billing Information:
Accounts Payable
561 Virginia Road Bldg. 4
Suite 300
Concord, MA 01742

Analysis / Container / Preservative
 Pres Chk

Chain of Custody Page 8 of 9



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

Report to:
Sedrek Kovar

Email To:
brook.mckeown@erg.com; sedrek.kovar@erg.com

Project Description:
1021 & 1037 Baseline Street

City/State Collected: **Cornelius, OR**

Please Circle:
 PT MT CT ET

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

Client Project #
0425.00.016.090

Lab Project #
EASRESCMA-BASELINE

Collected by (print):
Brady Brantley / Sedrek Kovar

Site/Facility ID #

P.O. #

Collected by (signature):
Brady Brantley / Sedrek Kovar

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

Quote #
 Date Results Needed

Immediately Packed on Ice N ___ Y

Sample ID Comp/Grab Matrix * Depth Date Time No. of Cntrs

M6010PP 250mlHDPE-HNO3
 NWTPHDXNOSGT 100ml Amb-HCl
 NWTPHGX 40mlAmb HCl
 NWTPHGX 40mlAmb-HCl-Bik
 PAHSIMLVI 40mlAmb-NoPres-WT
 V8260 40mlAmb-HCl
 V8260 40mlAmb-HCl-Bik

SDG # **U825049**
A137
 Acctnum: **EASRESCMA**
 Template: **T266973**
 Prelogin: **P1126611**
 PM: **841 - Kelly Mercer**
 PB: **BF 1/17/25**
 Shipped Via: **FedEX Ground**
 Remarks Sample # (lab only)

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	M6010PP 250mlHDPE-HNO3	NWTPHDXNOSGT 100ml Amb-HCl	NWTPHGX 40mlAmb HCl	NWTPHGX 40mlAmb-HCl-Bik	PAHSIMLVI 40mlAmb-NoPres-WT	V8260 40mlAmb-HCl	V8260 40mlAmb-HCl-Bik	Remarks	Sample # (lab only)
BLS-MW-2	Grab	GW	-	1/31/25	1025	11	X	X	X	X	X	X	X		-01
BLS-MW-2-Dup	Grab	GW	-	1/31/25	1025	11	X	X	X	X	X	X	X		-02
BLS-MW-3	Grab	GW	-	1/31/25	0920	11	X	X	X	X	X	X	X		-03
BLS-MW-3-MS/MSD	Grab	GW	-	1/31/25	0920	11	X	X	X	X	X	X	X	MS/MSD	-03
BLS-MW-4	Grab	GW	-	1/31/25	1155	11	X	X	X	X	X	X	X		-04
BLS-MW-5	Grab	GW	-	1/31/25	0810	11	X	X	X	X	X	X	X	AW	
BLS-MW-6	Grab	GW	-	1/31/25	0830	11	X	X	X	X	X	X	X	AW	
BLS-MW-7	Grab	GW	-	1/31/25	1230	11	X	X	X	X	X	X	X	AW	
TRIP BLANK	-	GW	-	-	-	2				X		X		Trip Blank	-05

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

Remarks: **Run our MS/MSD and Trip Blanks with our Sample Batch.**

pH _____ Temp _____
 Flow _____ Other _____

Sample Receipt Checklist

COC Seal Present/Intact:	NP	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
COC Signed/Accurate:		<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Bottles arrive intact:		<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Correct bottles used:		<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Sufficient volume sent:		<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
If Applicable		
VOA Zero Headpace:		<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Preservation Correct/Checked:		<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
RAD Screen <0.5 mR/hr:		<input checked="" type="checkbox"/> Y <input type="checkbox"/> N

Relinquished by: (Signature)
Angelo Ware

Relinquished by: (Signature)

Relinquished by: (Signature)

Date: **2/3/25** Time: **1300**

Date: Time:

Date: Time:

Received by: (Signature)

Received by: (Signature)

Received for lab by: (Signature)
Devin

Trip Blank Received: Yes / No
 (HCl) / MeOH
 TBR

Temp: °C Bottles Received: **99**

Date: **2.4.25** Time: **0900**

If pr **PH-10BD2631** /Time
TRC-3227A333

Condition: NCF / OK

Company Name/Address:
Eastern Research Group Inc- Concord, MA
 561 Virginia Road Bldg. 4

Billing Information:
 Accounts Payable
 561 Virginia Road Bldg. 4
 Suite 300
 Concord, MA 01742

Report to:
Sedrek Kovar

Email To:
 brook.mckeown@erg.com;sedrek.kovar@erg.co

Project Description:
 1021 & 1037 Baseline Street

City/State Collected: **Cornelius, OR**

Please Circle:
 PT MT CT ET

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

Client Project #
0425.00.016.090

Lab Project #
EASRESCMA-BASELINE

Collected by (print):
Brady Brantley / Sedrek Kovar

Site/Facility ID #

P.O. #

Collected by (signature):
Brady Brantley / Sedrek Kovar

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

Quote #

Immediately Packed on Ice N Y

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
-----------	-----------	----------	-------	------	------	--------------

Analysis / Container / Preservative	
M6010PP 250mlHDPE-HNO3	
NWTPHDXNOSGT 100ml Amb-HCl	
NWTPHGX 40mlAmb HCl	
NWTPHGX 40mlAmb-HCl-BIK	
PAHSIMLVl 40mlAmb-NoPres-WT	
V8260 40mlAmb-HCl	
V8260 40mlAmb-HCl-BIK	

Chain of Custody Page **9** of **9**



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

SDG # **U522849**

Table #

Acctnum: **EASRESCMA**
 Template: **T266973**
 Prelogin: **P1126611**
 PM: **841 - Kelly Mercer**
 PB: **BE 1/17/25**

Shipped Via: **FedEX Ground**

Remarks | Sample # (lab only)

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	M6010PP 250mlHDPE-HNO3	NWTPHDXNOSGT 100ml Amb-HCl	NWTPHGX 40mlAmb HCl	NWTPHGX 40mlAmb-HCl-BIK	PAHSIMLVl 40mlAmb-NoPres-WT	V8260 40mlAmb-HCl	V8260 40mlAmb-HCl-BIK	Remarks	Sample # (lab only)
TRIP BLANK		GW												Aw	
BLS-MW-5	Grab	GW	-	2/1/25	0810	11	X	X	X	X	X	X	X		-06
BLS-MW-6	Grab	GW	-	2/1/25	0720	11	X	X	X	X	X	X	X		-07
BLS-Rinsate-1	Grab	GW	-	1/31/25	1230	11	X	X	X	X	X	X	X		-08
BLS-Rinsate-2	Grab	GW	-	2/1/25	0815	11	X	X	X	X	X	X	X		-09
TRIP BLANK	-	GW	-	-	-	2				X			X	Trip Blank	-10

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

Remarks: **Run our Trip Blanks with our Sample Batch.**

pH _____ Temp _____
 Flow _____ Other _____

Samples returned via: UPS FedEx Courier _____ Tracking # _____

Sample Receipt Checklist

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

Relinquished by: (Signature) Angelo Ward	Date: 2/3/25	Time: 1300	Received by: (Signature)	Trip Blank Received: (Yes/No) 4 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No HCl/MeOH TBR
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C 99
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) Deanna	Date: 2.4.25 Time: 0900 Hold: Condition: NCF / OK

Eastern Research Group Inc- Concord, MA

Sample Delivery Group: L1822300
Samples Received: 02/01/2025
Project Number: 0425.00.016.090
Description: 1021 & 1037 Baseline Street

Report To: Sedrek Kovar
561 Virginia Road Bldg. 4
Suite 300
Concord, MA 01742

Entire Report Reviewed By:



Kelly Mercer
Project Manager

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

Pace Analytical National

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

TABLE OF CONTENTS

Cp: Cover Page	1	
Tc: Table of Contents	2	
Ss: Sample Summary	3	
Cn: Case Narrative	4	
Sr: Sample Results	5	
BLS-IDW-SOIL L1822300-01	5	
TRIP BLANK L1822300-02	7	
Qc: Quality Control Summary	8	
Total Solids by Method 2540 G-2011	8	
Wet Chemistry by Method D93/1010A	9	
Mercury by Method 7471B	10	
Metals (ICP) by Method 6010D	11	
Volatile Organic Compounds (GC) by Method NWTPHGX	12	
Volatile Organic Compounds (GC/MS) by Method 8260D	13	
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	15	
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	16	
Gl: Glossary of Terms	18	
Al: Accreditations & Locations	19	
Sc: Sample Chain of Custody	20	

SAMPLE SUMMARY

BLS-IDW-SOIL L1822300-01 Solid

Collected by
Collected date/time
Received date/time

01/29/25 13:30
02/01/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2444735	1	02/03/25 15:02	02/03/25 15:08	CMB	Mt. Juliet, TN
Wet Chemistry by Method D93/1010A	WG2444042	1	02/04/25 08:41	02/04/25 08:41	JAS	Mt. Juliet, TN
Mercury by Method 7471B	WG2444575	1	02/03/25 14:56	02/04/25 20:54	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2444460	1	02/02/25 20:55	02/03/25 14:53	MAP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2445719	28.5	01/29/25 13:30	02/04/25 18:05	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2447526	1.14	01/29/25 13:30	02/07/25 08:56	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2446418	1	02/05/25 16:01	02/06/25 04:55	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2446603	1	02/06/25 07:22	02/06/25 15:59	VDR	Mt. Juliet, TN

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

TRIP BLANK L1822300-02 GW

Collected by
Collected date/time
Received date/time

01/29/25 13:30
02/01/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2445156	1	02/03/25 22:22	02/03/25 22:22	DYW	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.



Kelly Mercer
Project Manager

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	71.4		1	02/03/2025 15:08	WG2444735

Wet Chemistry by Method D93/1010A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Ignitability	DNI at 170		1	02/04/2025 08:41	WG2444042

Mercury by Method 7471B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Mercury	U		0.0206	0.0400	1	02/04/2025 20:54	WG2444575

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Arsenic	0.851	J	0.837	2.00	1	02/03/2025 14:53	WG2444460
Barium	126		0.0850	0.500	1	02/03/2025 14:53	WG2444460
Cadmium	0.431	J	0.0653	0.500	1	02/03/2025 14:53	WG2444460
Chromium	17.4		0.214	1.00	1	02/03/2025 14:53	WG2444460
Lead	9.85		0.326	0.500	1	02/03/2025 14:53	WG2444460
Selenium	U		1.07	2.00	1	02/03/2025 14:53	WG2444460
Silver	U		0.127	1.00	1	02/03/2025 14:53	WG2444460

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Gasoline Range Organics-NWTPH	U		0.966	2.85	28.5	02/04/2025 18:05	WG2445719
(S) a,a,a-Trifluorotoluene(FID)	98.7			77.0-120		02/04/2025 18:05	WG2445719

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Benzene	U		0.000532	0.00114	1.14	02/07/2025 08:56	WG2447526
Toluene	U		0.00148	0.00570	1.14	02/07/2025 08:56	WG2447526
Ethylbenzene	U		0.000840	0.00285	1.14	02/07/2025 08:56	WG2447526
Total Xylenes	U		0.00100	0.00741	1.14	02/07/2025 08:56	WG2447526
Methyl tert-butyl ether	U		0.000399	0.00114	1.14	02/07/2025 08:56	WG2447526
1,2-Dibromoethane	U		0.000739	0.00285	1.14	02/07/2025 08:56	WG2447526
1,2-Dichloroethane	U		0.000740	0.00285	1.14	02/07/2025 08:56	WG2447526
Naphthalene	U		0.00556	0.0143	1.14	02/07/2025 08:56	WG2447526
(S) Toluene-d8	92.5			75.0-131		02/07/2025 08:56	WG2447526
(S) 4-Bromofluorobenzene	101			67.0-138		02/07/2025 08:56	WG2447526
(S) 1,2-Dichloroethane-d4	99.2			70.0-130		02/07/2025 08:56	WG2447526

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Diesel Range Organics (DRO)	U		1.33	4.00	1	02/06/2025 04:55	WG2446418
Residual Range Organics (RRO)	U		3.33	10.0	1	02/06/2025 04:55	WG2446418
(S) o-Terphenyl	53.4			18.0-148		02/06/2025 04:55	WG2446418



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
Anthracene	U		0.00230	0.00600	1	02/06/2025 15:59	WG2446603
Acenaphthene	U		0.00209	0.00600	1	02/06/2025 15:59	WG2446603
Benzo(a)anthracene	U		0.00173	0.00600	1	02/06/2025 15:59	WG2446603
Benzo(a)pyrene	U		0.00179	0.00600	1	02/06/2025 15:59	WG2446603
Benzo(b)fluoranthene	U		0.00153	0.00600	1	02/06/2025 15:59	WG2446603
Benzo(k)fluoranthene	U		0.00215	0.00600	1	02/06/2025 15:59	WG2446603
Chrysene	U		0.00232	0.00600	1	02/06/2025 15:59	WG2446603
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	02/06/2025 15:59	WG2446603
Fluoranthene	U		0.00227	0.00600	1	02/06/2025 15:59	WG2446603
Fluorene	U		0.00205	0.00600	1	02/06/2025 15:59	WG2446603
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	02/06/2025 15:59	WG2446603
Naphthalene	U		0.00408	0.0200	1	02/06/2025 15:59	WG2446603
Pyrene	U		0.00200	0.00600	1	02/06/2025 15:59	WG2446603
(S) p-Terphenyl-d14	58.6			23.0-120		02/06/2025 15:59	WG2446603
(S) Nitrobenzene-d5	59.6			14.0-149		02/06/2025 15:59	WG2446603
(S) 2-Fluorobiphenyl	75.5			34.0-125		02/06/2025 15:59	WG2446603

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	02/03/2025 22:22	WG2445156
Toluene	U		0.000278	0.00100	1	02/03/2025 22:22	WG2445156
Ethylbenzene	U		0.000137	0.00100	1	02/03/2025 22:22	WG2445156
Total Xylenes	U		0.000174	0.00300	1	02/03/2025 22:22	WG2445156
Methyl tert-butyl ether	U		0.000101	0.00100	1	02/03/2025 22:22	WG2445156
1,2-Dichloroethane	U		0.0000819	0.00100	1	02/03/2025 22:22	WG2445156
1,2-Dibromoethane	U		0.000126	0.00100	1	02/03/2025 22:22	WG2445156
Naphthalene	U	<u>J4</u>	0.00100	0.00500	1	02/03/2025 22:22	WG2445156
(S) Toluene-d8	117			80.0-120		02/03/2025 22:22	WG2445156
(S) 4-Bromofluorobenzene	90.3			77.0-126		02/03/2025 22:22	WG2445156
(S) 1,2-Dichloroethane-d4	102			70.0-130		02/03/2025 22:22	WG2445156

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

Method Blank (MB)

(MB) R4173076-1 02/03/25 15:08

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000			

¹Cp

²Tc

³Ss

L1822303-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1822303-03 02/03/25 15:08 • (DUP) R4173076-3 02/03/25 15:08

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	79.6	79.7	1	0.190		10

⁴Cn

⁵Sr

Laboratory Control Sample (LCS)

(LCS) R4173076-2 02/03/25 15:08

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	90.0-110	

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1821460-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1821460-03 02/04/25 08:41 • (DUP) R4173340-3 02/04/25 08:41

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Ignitability	DNI at 170	DNI at 170	1	0.000		10

Sample Narrative:

OS: Sample had visible fire above 140F, but flash not detected by instrument on final two aliquots.

L1821467-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1821467-02 02/04/25 08:41 • (DUP) R4173340-4 02/04/25 08:41

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Ignitability	123	115	1	6.74		10

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

(LCS) R4173340-1 02/04/25 08:41 • (LCSD) R4173340-2 02/04/25 08:41

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Ignitability	126	125	131	98.9	104	95.6-104			4.70	10

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4173396-1 02/04/25 18:57

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Mercury	U		0.0206	0.0400

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4173396-2 02/04/25 18:59

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Mercury	0.500	0.498	99.5	80.0-120	

4 Cn

5 Sr

L1822120-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1822120-01 02/04/25 19:58 • (MS) R4173396-4 02/04/25 20:03 • (MSD) R4173396-5 02/04/25 20:06

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Mercury	0.500	0.0626	0.549	0.563	97.3	100	1	75.0-125			2.48	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4172908-1 02/03/25 13:53

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
Arsenic	U		0.837	2.00
Barium	U		0.0850	0.500
Cadmium	U		0.0653	0.500
Chromium	0.232	J	0.214	1.00
Lead	U		0.326	0.500
Selenium	U		1.07	2.00
Silver	U		0.127	1.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

Laboratory Control Sample (LCS)

(LCS) R4172908-2 02/03/25 13:55

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/kg	mg/kg	%	%	
Arsenic	100	107	107	80.0-120	
Barium	100	108	108	80.0-120	
Cadmium	100	104	104	80.0-120	
Chromium	100	108	108	80.0-120	
Lead	100	97.8	97.8	80.0-120	
Selenium	100	102	102	80.0-120	
Silver	20.0	20.6	103	80.0-120	

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1822329-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1822329-01 02/03/25 13:56 • (MS) R4172908-5 02/03/25 14:02 • (MSD) R4172908-6 02/03/25 14:03

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Arsenic	100	3.75	103	108	98.9	105	1	75.0-125			5.55	20
Barium	100	95.1	205	204	110	108	1	75.0-125			0.886	20
Cadmium	100	0.419	95.8	99.9	95.4	99.5	1	75.0-125			4.15	20
Chromium	100	18.3	116	123	97.7	105	1	75.0-125			6.11	20
Lead	100	11.0	108	112	96.7	101	1	75.0-125			3.72	20
Selenium	100	U	94.8	98.5	94.8	98.5	1	75.0-125			3.80	20
Silver	20.0	U	19.8	20.5	99.0	103	1	75.0-125			3.73	20

Method Blank (MB)

(MB) R4173526-3 02/04/25 12:55

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	U		0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	101			77.0-120

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

(LCS) R4173526-1 02/04/25 10:44 • (LCSD) R4173526-2 02/04/25 11:03

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 %
Gasoline Range Organics-NWTPH	5.00	5.64	4.88	113	97.6	71.0-124			14.4	20
(S) a,a,a-Trifluorotoluene(FID)				108	107	77.0-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4174043-2 02/03/25 18:55

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Benzene	U		0.0000941	0.00100
Toluene	U		0.000278	0.00100
Ethylbenzene	U		0.000137	0.00100
Total Xylenes	U		0.000174	0.00300
Methyl tert-butyl ether	U		0.000101	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,2-Dibromoethane	U		0.000126	0.00100
Naphthalene	U		0.00100	0.00500
(S) Toluene-d8	114			80.0-120
(S) 4-Bromofluorobenzene	92.8			77.0-126
(S) 1,2-Dichloroethane-d4	102			70.0-130

Laboratory Control Sample (LCS)

(LCS) R4174043-1 02/03/25 18:13

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/l	mg/l	%	%	
Benzene	0.00500	0.00418	83.6	70.0-123	
Toluene	0.00500	0.00548	110	79.0-120	
Ethylbenzene	0.00500	0.00553	111	79.0-123	
Total Xylenes	0.0150	0.0169	113	79.0-123	
Methyl tert-butyl ether	0.00500	0.00421	84.2	68.0-125	
1,2-Dichloroethane	0.00500	0.00408	81.6	70.0-128	
1,2-Dibromoethane	0.00500	0.00545	109	80.0-122	
Naphthalene	0.00500	0.00691	138	54.0-135	J4
(S) Toluene-d8			113	80.0-120	
(S) 4-Bromofluorobenzene			93.7	77.0-126	
(S) 1,2-Dichloroethane-d4			103	70.0-130	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4174783-2 02/07/25 07:47

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
Benzene	U		0.000467	0.00100
Toluene	U		0.00130	0.00500
Ethylbenzene	U		0.000737	0.00250
Total Xylenes	U		0.000880	0.00650
Methyl tert-butyl ether	U		0.000350	0.00100
1,2-Dibromoethane	U		0.000648	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
Naphthalene	U		0.00488	0.0125
(S) Toluene-d8	93.9			75.0-131
(S) 4-Bromofluorobenzene	94.0			67.0-138
(S) 1,2-Dichloroethane-d4	94.8			70.0-130

Laboratory Control Sample (LCS)

(LCS) R4174783-1 02/07/25 06:31

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/kg	mg/kg	%	%	
Benzene	0.125	0.137	110	70.0-123	
Toluene	0.125	0.117	93.6	75.0-121	
Ethylbenzene	0.125	0.114	91.2	74.0-126	
Total Xylenes	0.375	0.326	86.9	72.0-127	
Methyl tert-butyl ether	0.125	0.150	120	66.0-132	
1,2-Dibromoethane	0.125	0.120	96.0	74.0-128	
1,2-Dichloroethane	0.125	0.126	101	65.0-131	
Naphthalene	0.125	0.108	86.4	59.0-130	
(S) Toluene-d8			91.7	75.0-131	
(S) 4-Bromofluorobenzene			97.9	67.0-138	
(S) 1,2-Dichloroethane-d4			98.6	70.0-130	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4173883-1 02/06/25 02:57

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diesel Range Organics (DRO)	U		1.33	4.00
Residual Range Organics (RRO)	U		3.33	10.0
<i>(S) o-Terphenyl</i>	80.3			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4173883-2 02/06/25 03:10

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Diesel Range Organics (DRO)	50.0	38.3	76.6	50.0-150	
<i>(S) o-Terphenyl</i>			72.5	18.0-148	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4174114-2 02/06/25 12:44

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.00230	0.00600
Acenaphthene	U		0.00209	0.00600
Benzo(a)anthracene	U		0.00173	0.00600
Benzo(a)pyrene	U		0.00179	0.00600
Benzo(b)fluoranthene	U		0.00153	0.00600
Benzo(k)fluoranthene	U		0.00215	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
Naphthalene	U		0.00408	0.0200
Pyrene	U		0.00200	0.00600
(S) p-Terphenyl-d14	83.6			23.0-120
(S) Nitrobenzene-d5	79.0			14.0-149
(S) 2-Fluorobiphenyl	94.6			34.0-125

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4174114-1 02/06/25 12:26

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0694	86.8	50.0-126	
Acenaphthene	0.0800	0.0671	83.9	50.0-120	
Benzo(a)anthracene	0.0800	0.0670	83.8	45.0-120	
Benzo(a)pyrene	0.0800	0.0602	75.3	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0685	85.6	42.0-121	
Benzo(k)fluoranthene	0.0800	0.0653	81.6	49.0-125	
Chrysene	0.0800	0.0717	89.6	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0747	93.4	47.0-125	
Fluoranthene	0.0800	0.0781	97.6	49.0-129	
Fluorene	0.0800	0.0736	92.0	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0690	86.3	46.0-125	
Naphthalene	0.0800	0.0660	82.5	50.0-120	
Pyrene	0.0800	0.0632	79.0	43.0-123	
(S) p-Terphenyl-d14			86.2	23.0-120	
(S) Nitrobenzene-d5			80.6	14.0-149	
(S) 2-Fluorobiphenyl			97.0	34.0-125	

L1823142-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1823142-07 02/06/25 15:06 • (MS) R4174114-3 02/06/25 15:23 • (MSD) R4174114-4 02/06/25 15:41

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.0776	U	0.0640	0.0703	82.5	90.6	1	10.0-145			9.38	30
Acenaphthene	0.0776	U	0.0609	0.0665	78.5	85.7	1	14.0-127			8.79	27
Benzo(a)anthracene	0.0776	U	0.0609	0.0638	78.5	82.2	1	10.0-139			4.65	30
Benzo(a)pyrene	0.0776	U	0.0577	0.0617	74.4	79.5	1	10.0-141			6.70	31
Benzo(b)fluoranthene	0.0776	U	0.0594	0.0634	76.5	81.7	1	10.0-140			6.51	36
Benzo(k)fluoranthene	0.0776	U	0.0578	0.0647	74.5	83.4	1	10.0-137			11.3	31
Chrysene	0.0776	U	0.0654	0.0709	84.3	91.4	1	10.0-145			8.07	30
Dibenz(a,h)anthracene	0.0776	U	0.0674	0.0727	86.9	93.7	1	10.0-132			7.57	31
Fluoranthene	0.0776	U	0.0721	0.0787	92.9	101	1	10.0-153			8.75	33
Fluorene	0.0776	U	0.0685	0.0728	88.3	93.8	1	11.0-130			6.09	29
Indeno(1,2,3-cd)pyrene	0.0776	U	0.0615	0.0671	79.3	86.5	1	10.0-137			8.71	32
Naphthalene	0.0776	U	0.0604	0.0640	77.8	82.5	1	10.0-135			5.79	27
Pyrene	0.0776	U	0.0567	0.0612	73.1	78.9	1	10.0-148			7.63	35
(S) p-Terphenyl-d14					78.1	84.4		23.0-120				
(S) Nitrobenzene-d5					76.4	77.6		14.0-149				
(S) 2-Fluorobiphenyl					90.1	96.9		34.0-125				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

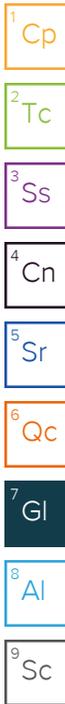
Guide to Reading and Understanding Your Laboratory Report

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
J	The identification of the analyte is acceptable; the reported value is an estimate.
J4	The associated batch QC was outside the established quality control range for accuracy.



ACCREDITATIONS & LOCATIONS

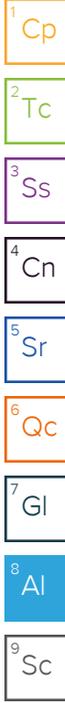
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Eastern Research Group Inc- Concord, MA

Sample Delivery Group: L1822316
Samples Received: 02/01/2025
Project Number: 0425.00.016.090
Description: 1021 & 1037 Baseline Street

Report To: Sedrek Kovar
561 Virginia Road Bldg. 4
Suite 300
Concord, MA 01742

Entire Report Reviewed By:



Kelly Mercer
Project Manager

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

Pace Analytical National

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

TABLE OF CONTENTS

Cp: Cover Page	1	
Tc: Table of Contents	2	
Ss: Sample Summary	3	
Cn: Case Narrative	4	
Sr: Sample Results	5	
BLS-IDW-WATER L1822316-01	5	
TRIP BLANK L1822316-03	7	
Qc: Quality Control Summary	8	
Wet Chemistry by Method D93/1010A	8	
Mercury by Method 7470A	9	
Metals (ICP) by Method 6010D	10	
Volatile Organic Compounds (GC) by Method NWTPHGX	11	
Volatile Organic Compounds (GC/MS) by Method 8260B	12	
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	14	
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	15	
Gl: Glossary of Terms	17	
Al: Accreditations & Locations	18	
Sc: Sample Chain of Custody	19	

SAMPLE SUMMARY

BLS-IDW-WATER L1822316-01 GW

Collected by BB/SK Collected date/time 01/30/25 14:30 Received date/time 02/01/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method D93/1010A	WG2444135	1	02/04/25 11:10	02/04/25 11:10	BMD	Mt. Juliet, TN
Mercury by Method 7470A	WG2445112	1	02/03/25 19:39	02/05/25 18:05	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2444814	1	02/04/25 21:06	02/05/25 02:36	RLS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2444934	1	02/03/25 17:54	02/03/25 17:54	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2445156	1	02/04/25 00:04	02/04/25 00:04	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2447235	1	02/07/25 20:02	02/07/25 20:02	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2444386	1	02/04/25 14:17	02/05/25 03:28	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2446071	1	02/05/25 07:57	02/05/25 18:54	TKW	Mt. Juliet, TN

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

TRIP BLANK L1822316-03 GW

Collected by BB/SK Collected date/time 01/30/25 14:30 Received date/time 02/01/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2445156	1	02/03/25 22:42	02/03/25 22:42	DYW	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.



Kelly Mercer
Project Manager

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

BLS-IDW-WATER

Collected date/time: 01/30/25 14:30

SAMPLE RESULTS - 01

L1822316

Wet Chemistry by Method D93/1010A

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Flashpoint	deg F			date / time	
Flashpoint	DNF at 170		1	02/04/2025 11:10	WG2444135

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Mercury	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.0000700	0.000200	1	02/05/2025 18:05	WG2445112

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Arsenic	mg/l		mg/l	mg/l		date / time	
Arsenic	U		0.00783	0.0100	1	02/05/2025 02:36	WG2444814
Barium	0.288		0.000773	0.00500	1	02/05/2025 02:36	WG2444814
Cadmium	U		0.000538	0.00200	1	02/05/2025 02:36	WG2444814
Chromium	0.0474		0.00151	0.0100	1	02/05/2025 02:36	WG2444814
Lead	0.0198		0.00243	0.00600	1	02/05/2025 02:36	WG2444814
Selenium	U		0.00616	0.0100	1	02/05/2025 02:36	WG2444814
Silver	U		0.00289	0.00500	1	02/05/2025 02:36	WG2444814

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Gasoline Range Organics-NWTPH	mg/l		mg/l	mg/l		date / time	
Gasoline Range Organics-NWTPH	1.31		0.0316	0.100	1	02/03/2025 17:54	WG2444934
(S) a,a,a-Trifluorotoluene(FID)	96.9			78.0-120		02/03/2025 17:54	WG2444934

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Benzene	mg/l		mg/l	mg/l		date / time	
Benzene	0.000641	J	0.0000941	0.00100	1	02/04/2025 00:04	WG2445156
Toluene	0.000873	J	0.000278	0.00100	1	02/04/2025 00:04	WG2445156
Ethylbenzene	0.00735		0.000137	0.00100	1	02/04/2025 00:04	WG2445156
Total Xylenes	0.00316		0.000174	0.00300	1	02/04/2025 00:04	WG2445156
Methyl tert-butyl ether	U		0.000101	0.00100	1	02/04/2025 00:04	WG2445156
1,2-Dichloroethane	U		0.0000819	0.00100	1	02/04/2025 00:04	WG2445156
1,2-Dibromoethane	U		0.000126	0.00100	1	02/04/2025 00:04	WG2445156
Naphthalene	0.00254	J	0.00100	0.00500	1	02/07/2025 20:02	WG2447235
(S) Toluene-d8	114			80.0-120		02/04/2025 00:04	WG2445156
(S) Toluene-d8	98.4			80.0-120		02/07/2025 20:02	WG2447235
(S) 4-Bromofluorobenzene	92.8			77.0-126		02/04/2025 00:04	WG2445156
(S) 4-Bromofluorobenzene	89.4			77.0-126		02/07/2025 20:02	WG2447235
(S) 1,2-Dichloroethane-d4	102			70.0-130		02/04/2025 00:04	WG2445156
(S) 1,2-Dichloroethane-d4	120			70.0-130		02/07/2025 20:02	WG2447235

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Diesel Range Organics (DRO)	mg/l		mg/l	mg/l		date / time	
Diesel Range Organics (DRO)	0.451		0.0678	0.100	1	02/05/2025 03:28	WG2444386
Residual Range Organics (RRO)	0.186	B J	0.0961	0.250	1	02/05/2025 03:28	WG2444386
(S) o-Terphenyl	61.2			31.0-160		02/05/2025 03:28	WG2444386

Sample Narrative:

L1822316-01 WG2444386: Sample resembles laboratory standards for Gasoline and Diesel.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0000190	0.0000500	1	02/05/2025 18:54	WG2446071
Acenaphthene	0.000167	<u>B</u>	0.0000190	0.0000500	1	02/05/2025 18:54	WG2446071
Acenaphthylene	0.0000342	<u>B J</u>	0.0000171	0.0000500	1	02/05/2025 18:54	WG2446071
Benzo(a)anthracene	U		0.0000203	0.0000500	1	02/05/2025 18:54	WG2446071
Benzo(a)pyrene	U		0.0000184	0.0000500	1	02/05/2025 18:54	WG2446071
Benzo(b)fluoranthene	U		0.0000168	0.0000500	1	02/05/2025 18:54	WG2446071
Benzo(g,h,i)perylene	U		0.0000184	0.0000500	1	02/05/2025 18:54	WG2446071
Benzo(k)fluoranthene	U		0.0000202	0.0000500	1	02/05/2025 18:54	WG2446071
Chrysene	U		0.0000179	0.0000500	1	02/05/2025 18:54	WG2446071
Dibenz(a,h)anthracene	U		0.0000160	0.0000500	1	02/05/2025 18:54	WG2446071
Fluoranthene	U		0.0000270	0.000100	1	02/05/2025 18:54	WG2446071
Fluorene	0.0000252	<u>B J</u>	0.0000169	0.0000500	1	02/05/2025 18:54	WG2446071
Indeno(1,2,3-cd)pyrene	U		0.0000158	0.0000500	1	02/05/2025 18:54	WG2446071
Naphthalene	0.00156		0.0000917	0.000250	1	02/05/2025 18:54	WG2446071
Phenanthrene	0.0000327	<u>B J</u>	0.0000180	0.0000500	1	02/05/2025 18:54	WG2446071
Pyrene	0.0000184	<u>B J</u>	0.0000169	0.0000500	1	02/05/2025 18:54	WG2446071
1-Methylnaphthalene	0.00226		0.0000687	0.000250	1	02/05/2025 18:54	WG2446071
2-Methylnaphthalene	0.000409		0.0000674	0.000250	1	02/05/2025 18:54	WG2446071
2-Chloronaphthalene	U		0.0000682	0.000250	1	02/05/2025 18:54	WG2446071
(S) Nitrobenzene-d5	114			31.0-160		02/05/2025 18:54	WG2446071
(S) 2-Fluorobiphenyl	93.7			48.0-148		02/05/2025 18:54	WG2446071
(S) p-Terphenyl-d14	68.9			37.0-146		02/05/2025 18:54	WG2446071

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	02/03/2025 22:42	WG2445156
Toluene	0.000278	<u>J</u>	0.000278	0.00100	1	02/03/2025 22:42	WG2445156
Ethylbenzene	U		0.000137	0.00100	1	02/03/2025 22:42	WG2445156
Total Xylenes	U		0.000174	0.00300	1	02/03/2025 22:42	WG2445156
Methyl tert-butyl ether	U		0.000101	0.00100	1	02/03/2025 22:42	WG2445156
Naphthalene	U	<u>J4</u>	0.00100	0.00500	1	02/03/2025 22:42	WG2445156
<i>(S) Toluene-d8</i>	115			80.0-120		02/03/2025 22:42	WG2445156
<i>(S) 4-Bromofluorobenzene</i>	89.3			77.0-126		02/03/2025 22:42	WG2445156
<i>(S) 1,2-Dichloroethane-d4</i>	101			70.0-130		02/03/2025 22:42	WG2445156

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1822572-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1822572-01 02/04/25 11:10 • (DUP) R4173329-3 02/04/25 11:10

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	deg F	deg F		%		%
Flashpoint	DNF at 170	DNF at 170	1	0.000		10

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

(LCS) R4173329-1 02/04/25 11:10 • (LCSD) R4173329-2 02/04/25 11:10

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	deg F	deg F	deg F	%	%	%			%	%
Flashpoint	126	131	127	104	101	96.0-104			3.11	10

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4173799-1 02/05/25 17:26

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Mercury	U		0.0000700	0.000200

Laboratory Control Sample (LCS)

(LCS) R4173799-2 02/05/25 17:28

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/l	mg/l	%	%	
Mercury	0.00300	0.00315	105	80.0-120	

L1822354-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1822354-11 02/05/25 17:31 • (MS) R4173799-9 02/05/25 17:41 • (MSD) R4173799-10 02/05/25 17:44

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Mercury	0.00300	U	0.00318	0.00318	106	106	1	75.0-125			0.140	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4173461-1 02/05/25 01:49

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Arsenic	U		0.00783	0.0100
Barium	U		0.000773	0.00500
Cadmium	U		0.000538	0.00200
Chromium	U		0.00151	0.0100
Lead	U		0.00243	0.00600
Selenium	U		0.00616	0.0100
Silver	U		0.00289	0.00500

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4173461-2 02/05/25 01:50

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/l	mg/l	%	%	
Arsenic	1.00	0.927	92.7	80.0-120	
Barium	1.00	0.982	98.2	80.0-120	
Cadmium	1.00	0.912	91.2	80.0-120	
Chromium	1.00	0.966	96.6	80.0-120	
Lead	1.00	0.901	90.1	80.0-120	
Selenium	1.00	0.880	88.0	80.0-120	
Silver	0.200	0.187	93.6	80.0-120	

L1822280-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1822280-01 02/05/25 01:52 • (MS) R4173461-4 02/05/25 01:56 • (MSD) R4173461-5 02/05/25 01:57

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Arsenic	1.00	U	0.991	0.963	99.1	96.3	1	75.0-125			2.88	20
Barium	1.00	0.395	1.36	1.34	96.4	94.1	1	75.0-125			1.70	20
Cadmium	1.00	U	0.945	0.929	94.5	92.9	1	75.0-125			1.73	20
Chromium	1.00	U	0.969	0.954	96.9	95.4	1	75.0-125			1.54	20
Lead	1.00	U	0.920	0.920	92.0	92.0	1	75.0-125			0.0409	20
Selenium	1.00	U	0.914	0.905	91.4	90.5	1	75.0-125			0.959	20
Silver	0.200	U	0.193	0.192	96.3	95.8	1	75.0-125			0.499	20

Method Blank (MB)

(MB) R4173568-3 02/03/25 10:37

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Gasoline Range Organics-NWTPH	0.0323	↓	0.0316	0.100
(S) a,a,a-Trifluorotoluene(FID)	99.4			78.0-120

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

(LCS) R4173568-1 02/03/25 09:31 • (LCSD) R4173568-2 02/03/25 09:53

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 %
Gasoline Range Organics-NWTPH	5.00	4.88	4.88	97.6	97.6	70.0-124			0.000	20
(S) a,a,a-Trifluorotoluene(FID)				103	103	78.0-120				

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

Method Blank (MB)

(MB) R4174043-2 02/03/25 18:55

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Benzene	U		0.0000941	0.00100
Toluene	U		0.000278	0.00100
Ethylbenzene	U		0.000137	0.00100
Total Xylenes	U		0.000174	0.00300
Methyl tert-butyl ether	U		0.000101	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,2-Dibromoethane	U		0.000126	0.00100
Naphthalene	U		0.00100	0.00500
<i>(S) Toluene-d8</i>	114			80.0-120
<i>(S) 4-Bromofluorobenzene</i>	92.8			77.0-126
<i>(S) 1,2-Dichloroethane-d4</i>	102			70.0-130

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4174043-1 02/03/25 18:13

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/l	mg/l	%	%	
Benzene	0.00500	0.00418	83.6	70.0-123	
Toluene	0.00500	0.00548	110	79.0-120	
Ethylbenzene	0.00500	0.00553	111	79.0-123	
Total Xylenes	0.0150	0.0169	113	79.0-123	
Methyl tert-butyl ether	0.00500	0.00421	84.2	68.0-125	
1,2-Dichloroethane	0.00500	0.00408	81.6	70.0-128	
1,2-Dibromoethane	0.00500	0.00545	109	80.0-122	
Naphthalene	0.00500	0.00691	138	54.0-135	J4
<i>(S) Toluene-d8</i>			113	80.0-120	
<i>(S) 4-Bromofluorobenzene</i>			93.7	77.0-126	
<i>(S) 1,2-Dichloroethane-d4</i>			103	70.0-130	

Method Blank (MB)

(MB) R4175076-3 02/07/25 18:48

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Naphthalene	U		0.00100	0.00500
(S) Toluene-d8	97.9			80.0-120
(S) 4-Bromofluorobenzene	90.9			77.0-126
(S) 1,2-Dichloroethane-d4	114			70.0-130

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

(LCS) R4175076-1 02/07/25 17:42 • (LCSD) R4175076-2 02/07/25 18:04

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.00500	0.00436	0.00431	87.2	86.2	54.0-135	↓	↓	1.15	20
(S) Toluene-d8				98.0	99.9	80.0-120				
(S) 4-Bromofluorobenzene				89.9	94.4	77.0-126				
(S) 1,2-Dichloroethane-d4				112	113	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4173704-1 02/05/25 02:20

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Diesel Range Organics (DRO)	U		0.0678	0.100
Residual Range Organics (RRO)	0.240	J	0.0961	0.250
(S) o-Terphenyl	111			31.0-160

Laboratory Control Sample (LCS)

(LCS) R4173704-2 02/05/25 02:43

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Diesel Range Organics (DRO)	1.50	1.51	101	50.0-150	
(S) o-Terphenyl			111	31.0-160	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4173903-3 02/05/25 13:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Anthracene	0.0000279	↓	0.0000190	0.0000500
Acenaphthene	0.0000196	↓	0.0000190	0.0000500
Acenaphthylene	0.0000176	↓	0.0000171	0.0000500
Benzo(a)anthracene	0.0000434	↓	0.0000203	0.0000500
Benzo(a)pyrene	0.0000373	↓	0.0000184	0.0000500
Benzo(b)fluoranthene	0.0000387	↓	0.0000168	0.0000500
Benzo(g,h,i)perylene	0.0000412	↓	0.0000184	0.0000500
Benzo(k)fluoranthene	0.0000351	↓	0.0000202	0.0000500
Chrysene	0.0000449	↓	0.0000179	0.0000500
Dibenz(a,h)anthracene	0.0000362	↓	0.0000160	0.0000500
Fluoranthene	0.0000375	↓	0.0000270	0.000100
Fluorene	0.0000223	↓	0.0000169	0.0000500
Indeno(1,2,3-cd)pyrene	0.0000371	↓	0.0000158	0.0000500
Naphthalene	U		0.0000917	0.000250
Phenanthrene	0.0000346	↓	0.0000180	0.0000500
Pyrene	0.0000395	↓	0.0000169	0.0000500
1-Methylnaphthalene	U		0.0000687	0.000250
2-Methylnaphthalene	U		0.0000674	0.000250
2-Chloronaphthalene	U		0.0000682	0.000250
(S) Nitrobenzene-d5	112			31.0-160
(S) 2-Fluorobiphenyl	115			48.0-148
(S) p-Terphenyl-d14	115			37.0-146

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R4173903-1 02/05/25 12:56 • (LCSD) R4173903-2 02/05/25 13:14

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Anthracene	0.00200	0.00191	0.00189	95.5	94.5	67.0-150			1.05	20
Acenaphthene	0.00200	0.00186	0.00191	93.0	95.5	65.0-138			2.65	20
Acenaphthylene	0.00200	0.00190	0.00194	95.0	97.0	66.0-140			2.08	20
Benzo(a)anthracene	0.00200	0.00189	0.00189	94.5	94.5	61.0-140			0.000	20
Benzo(a)pyrene	0.00200	0.00169	0.00176	84.5	88.0	60.0-143			4.06	20
Benzo(b)fluoranthene	0.00200	0.00185	0.00194	92.5	97.0	58.0-141			4.75	20
Benzo(g,h,i)perylene	0.00200	0.00170	0.00190	85.0	95.0	52.0-153			11.1	20
Benzo(k)fluoranthene	0.00200	0.00166	0.00179	83.0	89.5	58.0-148			7.54	20
Chrysene	0.00200	0.00198	0.00208	99.0	104	64.0-144			4.93	20
Dibenz(a,h)anthracene	0.00200	0.00187	0.00203	93.5	102	52.0-155			8.21	20
Fluoranthene	0.00200	0.00198	0.00201	99.0	100	69.0-153			1.50	20

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

(LCS) R4173903-1 02/05/25 12:56 • (LCSD) R4173903-2 02/05/25 13:14

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Fluorene	0.00200	0.00191	0.00206	95.5	103	64.0-136			7.56	20
Indeno(1,2,3-cd)pyrene	0.00200	0.00166	0.00184	83.0	92.0	54.0-153			10.3	20
Naphthalene	0.00200	0.00187	0.00192	93.5	96.0	61.0-137			2.64	20
Phenanthrene	0.00200	0.00198	0.00205	99.0	103	62.0-137			3.47	20
Pyrene	0.00200	0.00202	0.00209	101	104	60.0-142			3.41	20
1-Methylnaphthalene	0.00200	0.00197	0.00204	98.5	102	66.0-142			3.49	20
2-Methylnaphthalene	0.00200	0.00190	0.00195	95.0	97.5	62.0-136			2.60	20
2-Chloronaphthalene	0.00200	0.00198	0.00199	99.0	99.5	64.0-140			0.504	20
<i>(S)</i> Nitrobenzene-d5				115	112	31.0-160				
<i>(S)</i> 2-Fluorobiphenyl				107	111	48.0-148				
<i>(S)</i> p-Terphenyl-d14				105	111	37.0-146				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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.

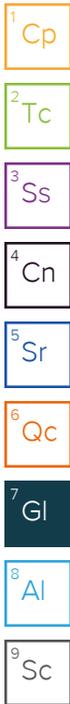
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. 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.
J4	The associated batch QC was outside the established quality control range for accuracy.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Company Name/Address:

Eastern Research Group Inc- Concord, MA

561 Virginia Road Bldg. 4

Billing Information:

Accounts Payable
561 Virginia Road Bldg. 4
Suite 300
Concord, MA 01742

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 6 of 9

Report to:
Sedrek Kovar

Email To:
brook.mckeown@erg.com; sedrek.kovar@erg.co

Project Description:
1021 & 1037 Baseline Street

City/State
Collected: **Cornelius, OR**

Please Circle:
 MT CT ET

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

Client Project #
0425.00.016.090

Lab Project #
EASRESCMA-BASEIDW

Collected by (print):
Brady Brantley / Sedrek Kovar

Site/Facility ID #

P.O. #

Collected by (signature):
Brady Brantley / Sedrek Kovar

Rush? (Lab MUST Be Notified)

Quote #

Same Day Five Day
 Next Day 5 Day (Rad Only)
 Two Day 10 Day (Rad Only)
 Three Day STD TAT

Date Results Needed

No. of Cntrs

Immediately Packed on Ice N Y



MT JULIET, TN

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

SDG # **L1822316**
C079

Acctnum: **EASRESCMA**

Template: **T266975**

Prelogin: **P1126606**

PM: **841 - Kelly Mercer**

PB: **BE 11/7/25**

Shipped Via: **FedEX Ground**

Remarks | Sample # (lab only)

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	FLASH 250mlAmb-No Pres	MRCRA8 250mlHDPE-HNO3	NWTP HDXNOSGT 100ml Amb-HCl	NWTP HGX 40mlAmb HCl	PAHSIMLVI 40mlAmb-NoPres-WT	V8260BTEXMN 12 40mlAmb-HCl	Remarks	Sample # (lab only)
BLS-IDW-Water	Comp	GW	-	1/30/25	1430	12	X	X	X	X	X	X		-01
Trip Blank	-	GW	-	-	-	1						X	Trip Blank	-02

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

Remarks: *Run trip blank w/ our sampler batch.*

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
 UPS FedEx Courier

Tracking # **6295 1091 9702**

PH-10BDH2631
TRC-4072A72

Sample Receipt Checklist

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

Relinquished by: (Signature)

Brady Brantley

Date:

1/31/25

Time:

1400

Received by: (Signature)

Trip Blank Received: Yes No

HCl / MeOH
 TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: _____ °C Bottles Received: **ED09 4.870.4=5.2 12**

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Ashley Beatto

Date: _____ Time: _____

02/01/2025 0830

Hold:

Condition:
NCF / OK

Analytical Report

2/14/2025

Mr. Sedrek Kovar
Eastern Research Group (ERG)
1600 Perimeter Park Dr.

Morrisville NC 27560

Project Name: 1021 Baseline St
Project #: 22136.091
Workorder #: 2502087

Dear Mr. Sedrek Kovar

The following report includes the data for the above referenced project for sample(s) received on 2/3/2025 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Jade White at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Jade White
Project Manager

WORK ORDER #: 2502087

Work Order Summary

CLIENT:	Mr. Sedrek Kovar Eastern Research Group (ERG) 1600 Perimeter Park Dr. Morrisville, NC 27560	BILL TO:	Ms. Brook McKeown Eastern Research Group (ERG) 14555 Avion Parkway Suite 200 Chantilly, VA 20151
PHONE:		P.O. #	0425.00.016/43
FAX:		PROJECT #	22136.091 1021 Baseline St
DATE RECEIVED:	02/03/2025	CONTACT:	Jade White
DATE COMPLETED:	02/14/2025		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	BLS-VP-1	TO-15	0.6 "Hg	1.9 psi
01B	BLS-VP-1	TO-15	0.6 "Hg	1.9 psi
02A	BLS-VP-1-Rep	TO-15	0.6 "Hg	1.9 psi
02B	BLS-VP-1-Rep	TO-15	0.6 "Hg	1.9 psi
03A	BLS-VP-2	TO-15	5.5 "Hg	1.9 psi
03B	BLS-VP-2	TO-15	5.5 "Hg	1.9 psi
04A	BLS-VP-3	TO-15	7.3 "Hg	1.9 psi
04B	BLS-VP-3	TO-15	7.3 "Hg	1.9 psi
05A	BLS-VP-4	TO-15	5.5 "Hg	1.9 psi
05B	BLS-VP-4	TO-15	5.5 "Hg	1.9 psi
06A	BLS-VP-5	TO-15	6.3 "Hg	1.9 psi
07A	Lab Blank	TO-15	NA	NA
07B	Lab Blank	TO-15	NA	NA
07C	Lab Blank	TO-15	NA	NA
07D	Lab Blank	TO-15	NA	NA
07E	Lab Blank	TO-15	NA	NA
08A	CCV	TO-15	NA	NA
08B	CCV	TO-15	NA	NA
08C	CCV	TO-15	NA	NA
08D	CCV	TO-15	NA	NA
08E	CCV	TO-15	NA	NA
09A	LCS	TO-15	NA	NA
09AA	LCSD	TO-15	NA	NA

Continued on next page

WORK ORDER #: 2502087

Work Order Summary

CLIENT:	Mr. Sedrek Kovar Eastern Research Group (ERG) 1600 Perimeter Park Dr. Morrisville, NC 27560	BILL TO:	Ms. Brook McKeown Eastern Research Group (ERG) 14555 Avion Parkway Suite 200 Chantilly, VA 20151
PHONE:		P.O. #	0425.00.016/43
FAX:		PROJECT #	22136.091 1021 Baseline St
DATE RECEIVED:	02/03/2025	CONTACT:	Jade White
DATE COMPLETED:	02/14/2025		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
09B	LCS	TO-15	NA	NA
09BB	LCSD	TO-15	NA	NA
09C	LCS	TO-15	NA	NA
09CC	LCSD	TO-15	NA	NA
09D	LCS	TO-15	NA	NA
09DD	LCSD	TO-15	NA	NA
09E	LCS	TO-15	NA	NA
09EE	LCSD	TO-15	NA	NA

CERTIFIED BY: 

 Technical Director

DATE: 02/14/25

Cert. No.: AZ Licensure-AZ0775, FL NELAP-E87680, LA NELAP-02089, MN NELAP-2836569, NH NELAP-209224-A, NJ NELAP-CA016, NY NELAP-11291, TX NELAP-T104704434, UT NELAP-CA009332023-16, VA NELAP-13180, WA NELAP-C935
 Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) CA300005-21
 Eurofins Environment Testing Northern California, LLC certifies that the test results contained in this report meet all requirements of the 2016 TNI Standard.

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
 (916) 985-1000

**LABORATORY NARRATIVE
EPA Method TO-15 (Hybrid)
Eastern Research Group (ERG)
Workorder# 2502087**

Six 6 Liter Summa Canister (100% Certified) samples were received on February 03, 2025. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the Full Scan and SIM acquisition modes.

Receiving Notes

The Chain of Custody (COC) information for sample BLS-VP-1 did not match the information on the canister with regard to canister barcode. The sample labeled 6L2837 on the COC is labeled as 6L2831 on the canister. The client was notified of the discrepancy and the information on the canister was used to process and report the sample.

Sample identification for samples BLS-VP-1, BLS-VP-1-Rep, BLS-VP-2, BLS-VP-3, BLS-VP-4 and BLS-VP-5 was not provided on the sample tag. Therefore the information on the Chain of Custody was used to process and report the sample.

Analytical Notes

The results for samples BLS-VP-1, BLS-VP-1-Rep, BLS-VP-2, BLS-VP-3 and BLS-VP-4 in this report were acquired from two separate data files originating from the same analytical run. The two data files have the same base file name and are differentiated with a "sim" extension on the SIM data file.

As per client project requirements, the laboratory has reported estimated values for target compound hits that are below the Reporting Limit but greater than the Method Detection Limit. Concentrations that are below the level at which the canister was certified may be false positives.

A single point calibration for TPH referenced to Gasoline was performed for each daily analytical batch. Recovery is reported as 100% in the associated results for each CCV.

Total Xylenes concentration is calculated by summing the individual concentrations of m,p-Xylene and O-Xylene.

A Method Detection Limit (MDL) study is not maintained for Total Xylenes.

Dilution was performed on samples BLS-VP-2, BLS-VP-3 and BLS-VP-5 due to the presence of high level target species.

Definition of Data Qualifying Flags

Ten qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

M - Reported value may be biased due to apparent matrix interferences.

CN - See Case Narrative.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

EPA METHOD TO-15 GC/MS FULL SCAN
1021 Baseline St

Client ID:	BLS-VP-1	Date/Time Analyzed:	2/10/25 03:37 PM
Lab ID:	2502087-01A	Dilution Factor:	1.15
Date/Time Collected:	1/29/25 11:05 AM	Instrument/Filename:	msd17.i / 17021010
Media:	6 Liter Summa Canister (100% Certified)		

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trimethylbenzene	95-63-6	1.4	2.5	2.8	Not Detected
1,3,5-Trimethylbenzene	108-67-8	1.2	2.5	2.8	Not Detected
Cumene	98-82-8	1.2	2.5	2.8	Not Detected
m,p-Xylene	108-38-3	0.89	2.2	5.0	1.9 J
Methyl tert-butyl ether	1634-04-4	1.2	3.1	8.3	Not Detected
o-Xylene	95-47-6	0.87	2.2	2.5	Not Detected
Toluene	108-88-3	0.48	1.9	4.3	3.3 J
Total Xylene	1330-20-7	NA	D	7.5	Not Detected
TPH ref. to Gasoline (MW=100)	9999-9999-038	NA	D	240	1900

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	101
4-Bromofluorobenzene	460-00-4	70-130	98
Toluene-d8	2037-26-5	70-130	101

EPA METHOD TO-15 GC/MS FULL SCAN
1021 Baseline St

Client ID:	BLS-VP-1	Date/Time Analyzed:	2/10/25 03:37 PM
Lab ID:	2502087-01B	Dilution Factor:	1.15
Date/Time Collected:	1/29/25 11:05 AM	Instrument/Filename:	msd17.i / 17021010sim
Media:	6 Liter Summa Canister (100% Certified)		

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2-Dibromoethane (EDB)	106-93-4	0.011	0.044	0.18	Not Detected
1,2-Dichloroethane	107-06-2	0.012	0.14	0.46	0.075 J
Benzene	71-43-2	0.13	0.15	0.73	1.1
Ethyl Benzene	100-41-4	0.028	0.15	1.0	0.67 J
Naphthalene	91-20-3	0.073	0.28	1.2	Not Detected

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	100
4-Bromofluorobenzene	460-00-4	70-130	101
Toluene-d8	2037-26-5	70-130	99

EPA METHOD TO-15 GC/MS FULL SCAN
1021 Baseline St

Client ID:	BLS-VP-1-Rep	Date/Time Analyzed:	2/10/25 04:07 PM
Lab ID:	2502087-02A	Dilution Factor:	1.15
Date/Time Collected:	1/29/25 11:05 AM	Instrument/Filename:	msd17.i / 17021011
Media:	6 Liter Summa Canister (100% Certified)		

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trimethylbenzene	95-63-6	1.4	2.5	2.8	Not Detected
1,3,5-Trimethylbenzene	108-67-8	1.2	2.5	2.8	Not Detected
Cumene	98-82-8	1.2	2.5	2.8	Not Detected
m,p-Xylene	108-38-3	0.89	2.2	5.0	2.0 J
Methyl tert-butyl ether	1634-04-4	1.2	3.1	8.3	Not Detected
o-Xylene	95-47-6	0.87	2.2	2.5	Not Detected
Toluene	108-88-3	0.48	1.9	4.3	3.3 J
Total Xylene	1330-20-7	NA	D	7.5	Not Detected
TPH ref. to Gasoline (MW=100)	9999-9999-038	NA	D	240	1700

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	102
4-Bromofluorobenzene	460-00-4	70-130	102
Toluene-d8	2037-26-5	70-130	101

EPA METHOD TO-15 GC/MS FULL SCAN
1021 Baseline St

Client ID:	BLS-VP-1-Rep	Date/Time Analyzed:	2/10/25 04:07 PM
Lab ID:	2502087-02B	Dilution Factor:	1.15
Date/Time Collected:	1/29/25 11:05 AM	Instrument/Filename:	msd17.i / 17021011sim
Media:	6 Liter Summa Canister (100% Certified)		

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2-Dibromoethane (EDB)	106-93-4	0.011	0.044	0.18	Not Detected
1,2-Dichloroethane	107-06-2	0.012	0.14	0.46	0.071 J
Benzene	71-43-2	0.13	0.15	0.73	1.1
Ethyl Benzene	100-41-4	0.028	0.15	1.0	0.64 J
Naphthalene	91-20-3	0.073	0.28	1.2	Not Detected

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	100
4-Bromofluorobenzene	460-00-4	70-130	102
Toluene-d8	2037-26-5	70-130	100

EPA METHOD TO-15 GC/MS FULL SCAN
1021 Baseline St

Client ID:	BLS-VP-2	Date/Time Analyzed:	2/8/25 12:03 AM
Lab ID:	2502087-03A	Dilution Factor:	3.95
Date/Time Collected:	1/29/25 11:20 AM	Instrument/Filename:	msd17.i / 17020726
Media:	6 Liter Summa Canister (100% Certified)		

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trimethylbenzene	95-63-6	4.8	8.7	9.7	Not Detected
1,3,5-Trimethylbenzene	108-67-8	4.1	8.7	9.7	Not Detected
Cumene	98-82-8	4.3	8.7	9.7	Not Detected
m,p-Xylene	108-38-3	3.1	7.7	17	9.1 J
Methyl tert-butyl ether	1634-04-4	4.1	11	28	Not Detected
o-Xylene	95-47-6	3.0	7.7	8.6	3.1 J
Toluene	108-88-3	1.6	6.7	15	19
Total Xylene	1330-20-7	NA	D	26	Not Detected
TPH ref. to Gasoline (MW=100)	9999-9999-038	NA	D	810	7400

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	108
4-Bromofluorobenzene	460-00-4	70-130	101
Toluene-d8	2037-26-5	70-130	105

EPA METHOD TO-15 GC/MS FULL SCAN
1021 Baseline St

Client ID:	BLS-VP-2	Date/Time Analyzed:	2/8/25 12:03 AM
Lab ID:	2502087-03B	Dilution Factor:	3.95
Date/Time Collected:	1/29/25 11:20 AM	Instrument/Filename:	msd17.i / 17020726sim
Media:	6 Liter Summa Canister (100% Certified)		

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2-Dibromoethane (EDB)	106-93-4	0.038	0.15	0.61	Not Detected
1,2-Dichloroethane	107-06-2	0.042	0.48	1.6	Not Detected
Benzene	71-43-2	0.45	0.50	2.5	2.3 J
Ethyl Benzene	100-41-4	0.096	0.51	3.4	2.9 J
Naphthalene	91-20-3	0.25	0.97	4.1	Not Detected

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	106
4-Bromofluorobenzene	460-00-4	70-130	103
Toluene-d8	2037-26-5	70-130	104

EPA METHOD TO-15 GC/MS FULL SCAN
1021 Baseline St

Client ID:	BLS-VP-3	Date/Time Analyzed:	2/8/25 12:31 AM
Lab ID:	2502087-04A	Dilution Factor:	2.30
Date/Time Collected:	1/29/25 12:05 PM	Instrument/Filename:	msd17.i / 17020727
Media:	6 Liter Summa Canister (100% Certified)		

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trimethylbenzene	95-63-6	2.8	5.1	5.6	Not Detected
1,3,5-Trimethylbenzene	108-67-8	2.4	5.1	5.6	Not Detected
Cumene	98-82-8	2.5	5.1	5.6	Not Detected
m,p-Xylene	108-38-3	1.8	4.5	10	Not Detected
Methyl tert-butyl ether	1634-04-4	2.4	6.2	16	Not Detected
o-Xylene	95-47-6	1.7	4.5	5.0	Not Detected
Toluene	108-88-3	0.95	3.9	8.7	1.5 J
Total Xylene	1330-20-7	NA	D	15	Not Detected
TPH ref. to Gasoline (MW=100)	9999-9999-038	NA	D	470	11000

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	106
4-Bromofluorobenzene	460-00-4	70-130	104
Toluene-d8	2037-26-5	70-130	105

EPA METHOD TO-15 GC/MS FULL SCAN
1021 Baseline St

Client ID:	BLS-VP-3	Date/Time Analyzed:	2/8/25 12:31 AM
Lab ID:	2502087-04B	Dilution Factor:	2.30
Date/Time Collected:	1/29/25 12:05 PM	Instrument/Filename:	msd17.i / 17020727sim
Media:	6 Liter Summa Canister (100% Certified)		

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2-Dibromoethane (EDB)	106-93-4	0.022	0.088	0.35	Not Detected
1,2-Dichloroethane	107-06-2	0.024	0.28	0.93	Not Detected
Benzene	71-43-2	0.26	0.29	1.5	Not Detected
Ethyl Benzene	100-41-4	0.056	0.30	2.0	0.39 J
Naphthalene	91-20-3	0.14	0.57	2.4	Not Detected

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	106
4-Bromofluorobenzene	460-00-4	70-130	104
Toluene-d8	2037-26-5	70-130	104

EPA METHOD TO-15 GC/MS FULL SCAN
1021 Baseline St

Client ID:	BLS-VP-4	Date/Time Analyzed:	2/8/25 01:00 AM
Lab ID:	2502087-05A	Dilution Factor:	1.38
Date/Time Collected:	1/29/25 01:00 PM	Instrument/Filename:	msd17.i / 17020728
Media:	6 Liter Summa Canister (100% Certified)		

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trimethylbenzene	95-63-6	1.7	3.0	3.4	Not Detected
1,3,5-Trimethylbenzene	108-67-8	1.4	3.0	3.4	Not Detected
Cumene	98-82-8	1.5	3.0	3.4	Not Detected
m,p-Xylene	108-38-3	1.1	2.7	6.0	2.9 J
Methyl tert-butyl ether	1634-04-4	1.4	3.7	10	Not Detected
o-Xylene	95-47-6	1.0	2.7	3.0	1.2 J
Toluene	108-88-3	0.57	2.3	5.2	2.7 J
Total Xylene	1330-20-7	NA	D	9.0	Not Detected
TPH ref. to Gasoline (MW=100)	9999-9999-038	NA	D	280	6100

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	106
4-Bromofluorobenzene	460-00-4	70-130	99
Toluene-d8	2037-26-5	70-130	103

EPA METHOD TO-15 GC/MS FULL SCAN
1021 Baseline St

Client ID:	BLS-VP-4	Date/Time Analyzed:	2/8/25 01:00 AM
Lab ID:	2502087-05B	Dilution Factor:	1.38
Date/Time Collected:	1/29/25 01:00 PM	Instrument/Filename:	msd17.i / 17020728sim
Media:	6 Liter Summa Canister (100% Certified)		

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2-Dibromoethane (EDB)	106-93-4	0.013	0.053	0.21	Not Detected
1,2-Dichloroethane	107-06-2	0.015	0.17	0.56	Not Detected
Benzene	71-43-2	0.16	0.18	0.88	0.39 J
Ethyl Benzene	100-41-4	0.033	0.18	1.2	0.85 J
Naphthalene	91-20-3	0.088	0.34	1.4	Not Detected

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	106
4-Bromofluorobenzene	460-00-4	70-130	102
Toluene-d8	2037-26-5	70-130	102

EPA METHOD TO-15 GC/MS
 1021 Baseline St

Client ID:	BLS-VP-5	Date/Time Analyzed:	2/11/25 02:59 PM
Lab ID:	2502087-06A	Dilution Factor:	2.86
Date/Time Collected:	1/29/25 01:00 PM	Instrument/Filename:	msd14.i / 14021111
Media:	6 Liter Summa Canister (100% Certified)		

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trimethylbenzene	95-63-6	8.3	42	70	Not Detected
1,2-Dibromoethane (EDB)	106-93-4	18	66	110	Not Detected
1,2-Dichloroethane	107-06-2	17	35	58	Not Detected
1,3,5-Trimethylbenzene	108-67-8	11	42	70	Not Detected
Benzene	71-43-2	4.5	27	46	Not Detected
Chlorobenzene	108-90-7	3.9	39	66	Not Detected
Cumene	98-82-8	4.0	42	70	20 J
Ethyl Benzene	100-41-4	8.0	37	62	Not Detected
m,p-Xylene	108-38-3	8.2	37	62	12 J
Methyl tert-butyl ether	1634-04-4	9.9	31	52	Not Detected
Naphthalene	91-20-3	18	55	300	Not Detected
o-Xylene	95-47-6	11	37	62	Not Detected
Toluene	108-88-3	7.3	32	54	12 J
Total Xylene	1330-20-7	NA	D	120	Not Detected
TPH ref. to Gasoline (MW=100)	9999-9999-038	NA	D	5800	650000

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	96
4-Bromofluorobenzene	460-00-4	70-130	101
Toluene-d8	2037-26-5	70-130	99

EPA METHOD TO-15 GC/MS FULL SCAN
1021 Baseline St

Client ID:	Lab Blank	Date/Time Analyzed:	2/7/25 12:48 PM
Lab ID:	2502087-07A	Dilution Factor:	1.00
Date/Time Collected:	NA - Not Applicable	Instrument/Filename:	msd17.i / 17020707a
Media:	NA - Not Applicable		

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trimethylbenzene	95-63-6	1.2	2.2	2.4	Not Detected
1,3,5-Trimethylbenzene	108-67-8	1.0	2.2	2.4	Not Detected
Cumene	98-82-8	1.1	2.2	2.4	Not Detected
m,p-Xylene	108-38-3	0.78	2.0	4.3	Not Detected
Methyl tert-butyl ether	1634-04-4	1.0	2.7	7.2	Not Detected
o-Xylene	95-47-6	0.76	2.0	2.2	Not Detected
Toluene	108-88-3	0.41	1.7	3.8	Not Detected
Total Xylene	1330-20-7	NA	D	6.5	Not Detected
TPH ref. to Gasoline (MW=100)	9999-9999-038	NA	D	200	Not Detected

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	107
4-Bromofluorobenzene	460-00-4	70-130	95
Toluene-d8	2037-26-5	70-130	101

EPA METHOD TO-15 GC/MS FULL SCAN
1021 Baseline St

Client ID:	Lab Blank	Date/Time Analyzed:	2/7/25 12:48 PM
Lab ID:	2502087-07B	Dilution Factor:	1.00
Date/Time Collected:	NA - Not Applicable	Instrument/Filename:	msd17.i / 17020707sima
Media:	NA - Not Applicable		

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2-Dibromoethane (EDB)	106-93-4	0.0096	0.038	0.15	0.048 J
1,2-Dichloroethane	107-06-2	0.011	0.12	0.40	Not Detected
Benzene	71-43-2	0.11	0.13	0.64	Not Detected
Ethyl Benzene	100-41-4	0.024	0.13	0.87	0.058 J
Naphthalene	91-20-3	0.063	0.25	1.0	Not Detected

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	103
4-Bromofluorobenzene	460-00-4	70-130	96
Toluene-d8	2037-26-5	70-130	100

EPA METHOD TO-15 GC/MS FULL SCAN
 1021 Baseline St

Client ID:	Lab Blank	Date/Time Analyzed:	2/10/25 11:24 AM
Lab ID:	2502087-07C	Dilution Factor:	1.00
Date/Time Collected:	NA - Not Applicable	Instrument/Filename:	msd17.i / 17021007a
Media:	NA - Not Applicable		

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trimethylbenzene	95-63-6	1.2	2.2	2.4	Not Detected
1,3,5-Trimethylbenzene	108-67-8	1.0	2.2	2.4	Not Detected
Cumene	98-82-8	1.1	2.2	2.4	Not Detected
m,p-Xylene	108-38-3	0.78	2.0	4.3	Not Detected
Methyl tert-butyl ether	1634-04-4	1.0	2.7	7.2	Not Detected
o-Xylene	95-47-6	0.76	2.0	2.2	Not Detected
Toluene	108-88-3	0.41	1.7	3.8	Not Detected
Total Xylene	1330-20-7	NA	D	6.5	Not Detected
TPH ref. to Gasoline (MW=100)	9999-9999-038	NA	D	200	Not Detected

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	101
4-Bromofluorobenzene	460-00-4	70-130	97
Toluene-d8	2037-26-5	70-130	100

EPA METHOD TO-15 GC/MS FULL SCAN
1021 Baseline St

Client ID:	Lab Blank	Date/Time Analyzed:	2/10/25 11:24 AM
Lab ID:	2502087-07D	Dilution Factor:	1.00
Date/Time Collected:	NA - Not Applicable	Instrument/Filename:	msd17.i / 17021007sima
Media:	NA - Not Applicable		

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2-Dibromoethane (EDB)	106-93-4	0.0096	0.038	0.15	0.044 J
1,2-Dichloroethane	107-06-2	0.011	0.12	0.40	Not Detected
Benzene	71-43-2	0.11	0.13	0.64	Not Detected
Ethyl Benzene	100-41-4	0.024	0.13	0.87	0.074 J
Naphthalene	91-20-3	0.063	0.25	1.0	0.074 J

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	100
4-Bromofluorobenzene	460-00-4	70-130	99
Toluene-d8	2037-26-5	70-130	99

EPA METHOD TO-15 GC/MS
 1021 Baseline St

Client ID:	Lab Blank	Date/Time Analyzed:	2/11/25 11:50 AM
Lab ID:	2502087-07E	Dilution Factor:	1.00
Date/Time Collected:	NA - Not Applicable	Instrument/Filename:	msd14.i / 14021107d
Media:	NA - Not Applicable		

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2,4-Trimethylbenzene	95-63-6	2.9	15	24	3.1 J
1,2-Dibromoethane (EDB)	106-93-4	6.4	23	38	Not Detected
1,2-Dichloroethane	107-06-2	5.9	12	20	Not Detected
1,3,5-Trimethylbenzene	108-67-8	3.9	15	24	Not Detected
Benzene	71-43-2	1.6	9.6	16	Not Detected
Chlorobenzene	108-90-7	1.4	14	23	Not Detected
Cumene	98-82-8	1.4	15	24	Not Detected
Ethyl Benzene	100-41-4	2.8	13	22	Not Detected
m,p-Xylene	108-38-3	2.9	13	22	2.9 J
Methyl tert-butyl ether	1634-04-4	3.5	11	18	Not Detected
Naphthalene	91-20-3	6.3	19	100	8.3 J
o-Xylene	95-47-6	3.9	13	22	Not Detected
Toluene	108-88-3	2.6	11	19	Not Detected
Total Xylene	1330-20-7	NA	D	43	Not Detected
TPH ref. to Gasoline (MW=100)	9999-9999-038	NA	D	2000	Not Detected

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	98
4-Bromofluorobenzene	460-00-4	70-130	101
Toluene-d8	2037-26-5	70-130	97

EPA METHOD TO-15 GC/MS FULL SCAN
1021 Baseline St

Client ID:	CCV	Date/Time Analyzed:	2/7/25 10:54 AM
Lab ID:	2502087-08A	Dilution Factor:	1.00
Date/Time Collected:	NA - Not Applicable	Instrument/Filename:	msd17.i / 17020703
Media:	NA - Not Applicable		

Compound	CAS#	%Recovery
1,2,4-Trimethylbenzene	95-63-6	108
1,3,5-Trimethylbenzene	108-67-8	103
Cumene	98-82-8	109
m,p-Xylene	108-38-3	107
Methyl tert-butyl ether	1634-04-4	106
o-Xylene	95-47-6	105
Toluene	108-88-3	108
Total Xylene	1330-20-7	106
TPH ref. to Gasoline (MW=100)	9999-9999-038	100

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	105
4-Bromofluorobenzene	460-00-4	70-130	103
Toluene-d8	2037-26-5	70-130	105

EPA METHOD TO-15 GC/MS FULL SCAN
1021 Baseline St

Client ID:	CCV	Date/Time Analyzed:	2/7/25 10:54 AM
Lab ID:	2502087-08B	Dilution Factor:	1.00
Date/Time Collected:	NA - Not Applicable	Instrument/Filename:	msd17.i / 17020703sim
Media:	NA - Not Applicable		

Compound	CAS#	%Recovery
1,2-Dibromoethane (EDB)	106-93-4	105
1,2-Dichloroethane	107-06-2	109
Benzene	71-43-2	109
Ethyl Benzene	100-41-4	108
Naphthalene	91-20-3	103

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	102
4-Bromofluorobenzene	460-00-4	70-130	105
Toluene-d8	2037-26-5	70-130	104

EPA METHOD TO-15 GC/MS FULL SCAN
1021 Baseline St

Client ID:	CCV	Date/Time Analyzed:	2/10/25 09:33 AM
Lab ID:	2502087-08C	Dilution Factor:	1.00
Date/Time Collected:	NA - Not Applicable	Instrument/Filename:	msd17.i / 17021003
Media:	NA - Not Applicable		

Compound	CAS#	%Recovery
1,2,4-Trimethylbenzene	95-63-6	103
1,3,5-Trimethylbenzene	108-67-8	101
Cumene	98-82-8	107
m,p-Xylene	108-38-3	104
Methyl tert-butyl ether	1634-04-4	104
o-Xylene	95-47-6	103
Toluene	108-88-3	103
Total Xylene	1330-20-7	103
TPH ref. to Gasoline (MW=100)	9999-9999-038	100

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	103
4-Bromofluorobenzene	460-00-4	70-130	103
Toluene-d8	2037-26-5	70-130	103

EPA METHOD TO-15 GC/MS FULL SCAN
1021 Baseline St

Client ID:	CCV	Date/Time Analyzed:	2/10/25 09:33 AM
Lab ID:	2502087-08D	Dilution Factor:	1.00
Date/Time Collected:	NA - Not Applicable	Instrument/Filename:	msd17.i / 17021003sim
Media:	NA - Not Applicable		

Compound	CAS#	%Recovery
1,2-Dibromoethane (EDB)	106-93-4	103
1,2-Dichloroethane	107-06-2	100
Benzene	71-43-2	104
Ethyl Benzene	100-41-4	105
Naphthalene	91-20-3	100

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	98
4-Bromofluorobenzene	460-00-4	70-130	104
Toluene-d8	2037-26-5	70-130	102

EPA METHOD TO-15 GC/MS
1021 Baseline St

Client ID:	CCV	Date/Time Analyzed:	2/11/25 09:59 AM
Lab ID:	2502087-08E	Dilution Factor:	1.00
Date/Time Collected:	NA - Not Applicable	Instrument/Filename:	msd14.i / 14021103
Media:	NA - Not Applicable		

Compound	CAS#	%Recovery
1,2,4-Trimethylbenzene	95-63-6	100
1,2-Dibromoethane (EDB)	106-93-4	106
1,2-Dichloroethane	107-06-2	105
1,3,5-Trimethylbenzene	108-67-8	102
Benzene	71-43-2	106
Chlorobenzene	108-90-7	106
Cumene	98-82-8	100
Ethyl Benzene	100-41-4	104
m,p-Xylene	108-38-3	106
Methyl tert-butyl ether	1634-04-4	107
Naphthalene	91-20-3	94
o-Xylene	95-47-6	105
Toluene	108-88-3	105
Total Xylene	1330-20-7	106
TPH ref. to Gasoline (MW=100)	9999-9999-038	100

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	95
4-Bromofluorobenzene	460-00-4	70-130	102
Toluene-d8	2037-26-5	70-130	99

EPA METHOD TO-15 GC/MS FULL SCAN
1021 Baseline St

Client ID:	LCS	Date/Time Analyzed:	2/7/25 11:23 AM
Lab ID:	2502087-09A	Dilution Factor:	1.00
Date/Time Collected:	NA - Not Applicable	Instrument/Filename:	msd17.i / 17020704
Media:	NA - Not Applicable		

Compound	CAS#	%Recovery
1,2,4-Trimethylbenzene	95-63-6	103
1,3,5-Trimethylbenzene	108-67-8	101
Cumene	98-82-8	104
m,p-Xylene	108-38-3	105
Methyl tert-butyl ether	1634-04-4	108
o-Xylene	95-47-6	100
Toluene	108-88-3	102
Total Xylene	1330-20-7	102
TPH ref. to Gasoline (MW=100)	9999-9999-038	Not Spiked

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	104
4-Bromofluorobenzene	460-00-4	70-130	103
Toluene-d8	2037-26-5	70-130	103

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS FULL SCAN
1021 Baseline St

Client ID:	LCSD	Date/Time Analyzed:	2/7/25 11:52 AM
Lab ID:	2502087-09AA	Dilution Factor:	1.00
Date/Time Collected:	NA - Not Applicable	Instrument/Filename:	msd17.i / 17020705
Media:	NA - Not Applicable		

Compound	CAS#	%Recovery
1,2,4-Trimethylbenzene	95-63-6	102
1,3,5-Trimethylbenzene	108-67-8	98
Cumene	98-82-8	104
m,p-Xylene	108-38-3	103
Methyl tert-butyl ether	1634-04-4	103
o-Xylene	95-47-6	101
Toluene	108-88-3	100
Total Xylene	1330-20-7	102
TPH ref. to Gasoline (MW=100)	9999-9999-038	Not Spiked

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	100
4-Bromofluorobenzene	460-00-4	70-130	102
Toluene-d8	2037-26-5	70-130	101

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS FULL SCAN
1021 Baseline St

Client ID:	LCS	Date/Time Analyzed:	2/7/25 11:23 AM
Lab ID:	2502087-09B	Dilution Factor:	1.00
Date/Time Collected:	NA - Not Applicable	Instrument/Filename:	msd17.i / 17020704sim
Media:	NA - Not Applicable		

Compound	CAS#	%Recovery
1,2-Dibromoethane (EDB)	106-93-4	102
1,2-Dichloroethane	107-06-2	107
Benzene	71-43-2	108
Ethyl Benzene	100-41-4	106
Naphthalene	91-20-3	100

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	102
4-Bromofluorobenzene	460-00-4	70-130	103
Toluene-d8	2037-26-5	70-130	103

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS FULL SCAN
1021 Baseline St

Client ID:	LCSD	Date/Time Analyzed:	2/7/25 11:52 AM
Lab ID:	2502087-09BB	Dilution Factor:	1.00
Date/Time Collected:	NA - Not Applicable	Instrument/Filename:	msd17.i / 17020705sim
Media:	NA - Not Applicable		

Compound	CAS#	%Recovery
1,2-Dibromoethane (EDB)	106-93-4	102
1,2-Dichloroethane	107-06-2	106
Benzene	71-43-2	108
Ethyl Benzene	100-41-4	106
Naphthalene	91-20-3	104

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	101
4-Bromofluorobenzene	460-00-4	70-130	103
Toluene-d8	2037-26-5	70-130	102

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS FULL SCAN
1021 Baseline St

Client ID:	LCS	Date/Time Analyzed:	2/10/25 10:00 AM
Lab ID:	2502087-09C	Dilution Factor:	1.00
Date/Time Collected:	NA - Not Applicable	Instrument/Filename:	msd17.i / 17021004
Media:	NA - Not Applicable		

Compound	CAS#	%Recovery
1,2,4-Trimethylbenzene	95-63-6	102
1,3,5-Trimethylbenzene	108-67-8	100
Cumene	98-82-8	105
m,p-Xylene	108-38-3	105
Methyl tert-butyl ether	1634-04-4	103
o-Xylene	95-47-6	104
Toluene	108-88-3	101
Total Xylene	1330-20-7	105
TPH ref. to Gasoline (MW=100)	9999-9999-038	Not Spiked

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	100
4-Bromofluorobenzene	460-00-4	70-130	100
Toluene-d8	2037-26-5	70-130	102

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS FULL SCAN
1021 Baseline St

Client ID:	LCSD	Date/Time Analyzed:	2/10/25 10:27 AM
Lab ID:	2502087-09CC	Dilution Factor:	1.00
Date/Time Collected:	NA - Not Applicable	Instrument/Filename:	msd17.i / 17021005
Media:	NA - Not Applicable		

Compound	CAS#	%Recovery
1,2,4-Trimethylbenzene	95-63-6	102
1,3,5-Trimethylbenzene	108-67-8	100
Cumene	98-82-8	106
m,p-Xylene	108-38-3	106
Methyl tert-butyl ether	1634-04-4	103
o-Xylene	95-47-6	104
Toluene	108-88-3	102
Total Xylene	1330-20-7	105
TPH ref. to Gasoline (MW=100)	9999-9999-038	Not Spiked

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	97
4-Bromofluorobenzene	460-00-4	70-130	100
Toluene-d8	2037-26-5	70-130	104

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS FULL SCAN
1021 Baseline St

Client ID:	LCS	Date/Time Analyzed:	2/10/25 10:00 AM
Lab ID:	2502087-09D	Dilution Factor:	1.00
Date/Time Collected:	NA - Not Applicable	Instrument/Filename:	msd17.i / 17021004sim
Media:	NA - Not Applicable		

Compound	CAS#	%Recovery
1,2-Dibromoethane (EDB)	106-93-4	101
1,2-Dichloroethane	107-06-2	100
Benzene	71-43-2	105
Ethyl Benzene	100-41-4	108
Naphthalene	91-20-3	86

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	99
4-Bromofluorobenzene	460-00-4	70-130	102
Toluene-d8	2037-26-5	70-130	103

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS FULL SCAN
1021 Baseline St

Client ID:	LCSD	Date/Time Analyzed:	2/10/25 10:27 AM
Lab ID:	2502087-09DD	Dilution Factor:	1.00
Date/Time Collected:	NA - Not Applicable	Instrument/Filename:	msd17.i / 17021005sim
Media:	NA - Not Applicable		

Compound	CAS#	%Recovery
1,2-Dibromoethane (EDB)	106-93-4	102
1,2-Dichloroethane	107-06-2	100
Benzene	71-43-2	104
Ethyl Benzene	100-41-4	108
Naphthalene	91-20-3	101

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	99
4-Bromofluorobenzene	460-00-4	70-130	102
Toluene-d8	2037-26-5	70-130	101

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS
 1021 Baseline St

Client ID:	LCS	Date/Time Analyzed:	2/11/25 10:27 AM
Lab ID:	2502087-09E	Dilution Factor:	1.00
Date/Time Collected:	NA - Not Applicable	Instrument/Filename:	msd14.i / 14021104
Media:	NA - Not Applicable		

Compound	CAS#	%Recovery
1,2,4-Trimethylbenzene	95-63-6	98
1,2-Dibromoethane (EDB)	106-93-4	98
1,2-Dichloroethane	107-06-2	100
1,3,5-Trimethylbenzene	108-67-8	97
Benzene	71-43-2	101
Chlorobenzene	108-90-7	102
Cumene	98-82-8	94
Ethyl Benzene	100-41-4	100
m,p-Xylene	108-38-3	99
Methyl tert-butyl ether	1634-04-4	95
Naphthalene	91-20-3	110
o-Xylene	95-47-6	98
Toluene	108-88-3	95
Total Xylene	1330-20-7	99
TPH ref. to Gasoline (MW=100)	9999-9999-038	Not Spiked

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	94
4-Bromofluorobenzene	460-00-4	70-130	99
Toluene-d8	2037-26-5	70-130	98

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS
 1021 Baseline St

Client ID:	LCSD	Date/Time Analyzed:	2/11/25 10:51 AM
Lab ID:	2502087-09EE	Dilution Factor:	1.00
Date/Time Collected:	NA - Not Applicable	Instrument/Filename:	msd14.i / 14021105
Media:	NA - Not Applicable		

Compound	CAS#	%Recovery
1,2,4-Trimethylbenzene	95-63-6	98
1,2-Dibromoethane (EDB)	106-93-4	102
1,2-Dichloroethane	107-06-2	100
1,3,5-Trimethylbenzene	108-67-8	96
Benzene	71-43-2	104
Chlorobenzene	108-90-7	100
Cumene	98-82-8	93
Ethyl Benzene	100-41-4	100
m,p-Xylene	108-38-3	99
Methyl tert-butyl ether	1634-04-4	99
Naphthalene	91-20-3	110
o-Xylene	95-47-6	97
Toluene	108-88-3	98
Total Xylene	1330-20-7	98
TPH ref. to Gasoline (MW=100)	9999-9999-038	Not Spiked

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	99
4-Bromofluorobenzene	460-00-4	70-130	99
Toluene-d8	2037-26-5	70-130	99

* % Recovery is calculated using unrounded analytical results.

Method : TO-15 (Hybrid) (Sp)-ERG (1021 Baseline)

CAS Number	Compound	Rpt. Limit (ppbv)
1634-04-4	Methyl tert-butyl ether	2.0
71-43-2	Benzene	0.20
107-06-2	1,2-Dichloroethane	0.10
108-88-3	Toluene	1.0
106-93-4	1,2-Dibromoethane (EDB)	0.020
100-41-4	Ethyl Benzene	0.20
108-38-3	m,p-Xylene	1.0
95-47-6	o-Xylene	0.50
98-82-8	Cumene	0.50
108-67-8	1,3,5-Trimethylbenzene	0.50
95-63-6	1,2,4-Trimethylbenzene	0.50
91-20-3	Naphthalene	0.20
9999-9999-038	TPH ref. to Gasoline (MW=100)	50
1330-20-7	Total Xylene	1.5

	Surrogate	Method Limits
2037-26-5	Toluene-d8	70-130
17060-07-0	1,2-Dichloroethane-d4	70-130
460-00-4	4-Bromofluorobenzene	70-130