



ANALYTICAL REPORT

June 30, 2025

Revised Report

Pace Analytical Services, LLC
2025.06.30 23:26:59 -05'00'
Document is certified

CTEH - ER

Sample Delivery Group: L1869427
Samples Received: 06/13/2025
Project Number: PROJ-054017
Description: Bishop Loss of Containment Incident

Report To: CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
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:
CTEH - ER

PROJECT:
PROJ-054017

SDG:
L1869427

DATE/TIME:
06/30/25 10:23

PAGE:
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¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Ds
⁶ Sr
⁷ Qc
⁸ Gl
⁹ Al
¹⁰ Sc

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¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Ds
⁶ Sr
⁷ Qc
⁸ Gl
⁹ Al
¹⁰ Sc

SAMPLE SUMMARY

GACO0612T149-2CRS001 L1869427-01

Collected by
Collected date/time
Received date/time

06/12/25 12:00 06/13/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2540937	1	06/20/25 10:30	06/20/25 10:30	BAG	Mt. Juliet, TN
Calculated Results	WG2538422	1	06/14/25 03:23	06/17/25 12:43	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2538345	1	06/13/25 19:40	06/13/25 19:53	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2538429	1	06/14/25 09:19	06/17/25 01:22	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2539790	5	06/16/25 20:55	06/17/25 12:43	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2538832	1	06/24/25 18:47	06/25/25 23:28	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2543012	1	06/20/25 09:58	06/21/25 10:11	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2543045	1	06/20/25 10:11	06/23/25 18:29	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2538422	1	06/14/25 03:23	06/14/25 16:19	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2538557	5	06/14/25 09:39	06/17/25 18:18	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2540950	1	06/18/25 23:34	06/19/25 13:19	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2538469	1	06/14/25 08:24	06/14/25 13:42	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2538477	5	06/14/25 08:25	06/16/25 03:35	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2538246	25	06/13/25 15:13	06/14/25 09:32	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538238	1	06/13/25 15:13	06/13/25 22:50	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2538491	2	06/16/25 19:30	06/17/25 12:11	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2538473	2	06/16/25 20:28	06/17/25 16:51	MBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2541994	1	06/19/25 12:19	06/19/25 17:49	VDR	Mt. Juliet, TN



GACO0612T149-2CRS002 L1869427-02

Collected by
Collected date/time
Received date/time

06/12/25 12:05 06/13/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2540937	1	06/20/25 10:33	06/20/25 10:33	BAG	Mt. Juliet, TN
Calculated Results	WG2538422	1	06/14/25 03:23	06/17/25 12:47	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2538345	1	06/13/25 19:40	06/13/25 19:53	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2538429	1	06/14/25 09:19	06/17/25 01:25	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2539790	5	06/16/25 20:55	06/17/25 12:47	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2538832	1	06/24/25 18:47	06/25/25 23:37	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2543012	1	06/20/25 09:58	06/21/25 10:11	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2543045	1	06/20/25 10:11	06/23/25 18:29	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2538422	1	06/14/25 03:23	06/14/25 16:35	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2538557	9	06/14/25 09:39	06/17/25 18:18	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2540950	1	06/18/25 23:34	06/19/25 13:21	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2538469	1	06/14/25 08:24	06/14/25 13:45	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2538477	5	06/14/25 08:25	06/16/25 03:38	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2538246	25	06/13/25 15:13	06/14/25 09:54	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538238	1	06/13/25 15:13	06/13/25 23:10	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2538491	5	06/16/25 19:30	06/17/25 12:24	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2538473	2	06/16/25 20:28	06/17/25 17:13	MBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2538511	1	06/16/25 06:26	06/17/25 01:20	CMF	Mt. Juliet, TN

GACO0612T149-2CRS003 L1869427-03

Collected by
Collected date/time
Received date/time

06/12/25 12:15 06/13/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2540937	1	06/20/25 10:36	06/20/25 10:36	BAG	Mt. Juliet, TN
Calculated Results	WG2538422	1	06/14/25 03:23	06/17/25 12:49	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2538345	1	06/13/25 19:40	06/13/25 19:53	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2538429	1	06/14/25 09:19	06/17/25 01:26	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2539790	5	06/16/25 20:55	06/17/25 12:49	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2538832	1	06/24/25 18:47	06/25/25 23:46	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2543012	1	06/20/25 09:58	06/21/25 10:11	RJP	Mt. Juliet, TN

SAMPLE SUMMARY

GACO0612T149-2CRS003 L1869427-03

Collected by
Collected date/time
Received date/time

06/12/25 12:15 06/13/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9050AMod	WG2543045	1	06/20/25 10:11	06/23/25 18:29	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2538422	1.02	06/14/25 03:23	06/14/25 16:52	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2538557	5	06/14/25 09:39	06/17/25 18:18	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2540950	1	06/18/25 23:34	06/19/25 13:23	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2538469	1	06/14/25 08:24	06/14/25 13:48	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2538477	5	06/14/25 08:25	06/16/25 03:41	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2538252	25	06/13/25 15:13	06/13/25 18:21	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538238	1	06/13/25 15:13	06/13/25 23:30	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2538491	1	06/16/25 19:30	06/17/25 13:04	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2538473	2	06/16/25 20:28	06/17/25 17:35	MBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2541994	1	06/19/25 12:19	06/19/25 18:06	VDR	Mt. Juliet, TN



GACO0612T149-2CRT001 L1869427-04

Collected by
Collected date/time
Received date/time

06/12/25 07:00 06/13/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538285	1	06/13/25 19:45	06/13/25 19:45	JAH	Mt. Juliet, TN

GACO0612T149-2CRS005 L1869427-05

Collected by
Collected date/time
Received date/time

06/12/25 11:45 06/13/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2540937	1	06/20/25 10:39	06/20/25 10:39	BAG	Mt. Juliet, TN
Calculated Results	WG2538422	1	06/14/25 03:23	06/17/25 12:51	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2538345	1	06/13/25 19:40	06/13/25 19:53	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2538429	1	06/14/25 09:19	06/17/25 01:28	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2539790	5	06/16/25 20:55	06/17/25 12:51	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2538832	1	06/24/25 18:47	06/25/25 23:55	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2543012	1	06/20/25 09:58	06/21/25 10:11	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2543045	1	06/20/25 10:11	06/23/25 18:29	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2538422	1.03	06/14/25 03:23	06/14/25 17:08	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2538557	5	06/14/25 09:39	06/17/25 18:20	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2540950	1	06/18/25 23:34	06/19/25 13:24	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2538469	1	06/14/25 08:24	06/14/25 13:56	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2538477	5	06/14/25 08:25	06/16/25 03:51	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2538252	25	06/13/25 15:13	06/13/25 19:07	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538238	1	06/13/25 15:13	06/13/25 23:50	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2538491	5	06/16/25 19:30	06/17/25 03:06	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2538473	2	06/16/25 20:28	06/17/25 17:57	MBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2538511	1	06/16/25 06:26	06/17/25 01:39	CMF	Mt. Juliet, TN

GACO0612T149-2CRS006 L1869427-06

Collected by
Collected date/time
Received date/time

06/12/25 10:05 06/13/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2540937	1	06/20/25 10:42	06/20/25 10:42	BAG	Mt. Juliet, TN
Calculated Results	WG2538422	1	06/14/25 03:23	06/17/25 12:52	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2538345	1	06/13/25 19:40	06/13/25 19:53	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2538429	1	06/14/25 09:19	06/17/25 01:31	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2539790	5	06/16/25 20:55	06/17/25 12:52	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2538832	1	06/24/25 18:47	06/26/25 00:04	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2543012	1	06/20/25 09:58	06/21/25 10:11	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2543045	1	06/20/25 10:11	06/23/25 18:29	BJM	Mt. Juliet, TN

ACCOUNT:
CTEH - ER

PROJECT:
PROJ-054017

SDG:
L1869427

DATE/TIME:
06/30/25 10:23

PAGE:
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SAMPLE SUMMARY

GACO0612T149-2CRS006 L1869427-06

Collected by
Collected date/time
Received date/time

06/12/25 10:05 06/13/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2538422	1.04	06/14/25 03:23	06/14/25 17:24	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2538557	5	06/14/25 09:39	06/17/25 18:20	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2540950	1	06/18/25 23:34	06/19/25 13:29	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2538469	1	06/14/25 08:24	06/14/25 13:59	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2538477	5	06/14/25 08:25	06/16/25 03:54	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2538252	25	06/13/25 15:13	06/13/25 20:02	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538238	1	06/13/25 15:13	06/14/25 00:10	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2538491	10	06/16/25 19:30	06/17/25 04:09	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2538473	2	06/16/25 20:28	06/17/25 18:18	MBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2541994	1	06/19/25 12:19	06/19/25 18:24	VDR	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

GACO0612T149-2CRC006 L1869427-07

Collected by
Collected date/time
Received date/time

06/12/25 10:05 06/13/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2540937	1	06/20/25 10:45	06/20/25 10:45	BAG	Mt. Juliet, TN
Calculated Results	WG2538422	1	06/14/25 03:23	06/17/25 12:54	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2538345	1	06/13/25 19:40	06/13/25 19:53	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2538429	1	06/14/25 09:19	06/17/25 01:32	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2539790	5	06/16/25 20:55	06/17/25 12:54	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2538832	1	06/24/25 18:47	06/26/25 00:22	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2543012	1	06/20/25 09:58	06/21/25 10:11	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2543045	1	06/20/25 10:11	06/23/25 18:29	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2538422	1	06/14/25 03:23	06/16/25 20:52	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2538557	5	06/14/25 09:39	06/17/25 18:20	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2540950	1	06/18/25 23:34	06/19/25 13:31	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2538469	1	06/14/25 08:24	06/14/25 14:02	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2538477	5	06/14/25 08:25	06/16/25 03:57	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2538252	25	06/13/25 15:13	06/13/25 20:22	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538238	1	06/13/25 15:13	06/14/25 00:30	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2538491	10	06/16/25 19:30	06/17/25 04:22	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2538475	2	06/16/25 20:31	06/17/25 19:38	MBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2538512	1	06/16/25 12:27	06/17/25 05:21	KB	Mt. Juliet, TN

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

GACO0612T149-2CRS007 L1869427-08

Collected by
Collected date/time
Received date/time

06/12/25 11:30 06/13/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2540937	1	06/20/25 10:53	06/20/25 10:53	BAG	Mt. Juliet, TN
Calculated Results	WG2538422	1	06/14/25 03:23	06/17/25 12:58	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2538345	1	06/13/25 19:40	06/13/25 19:53	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2538429	1	06/14/25 09:19	06/17/25 01:38	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2539790	5	06/16/25 20:55	06/17/25 12:58	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2538833	1	06/24/25 18:51	06/26/25 05:39	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2543012	1	06/20/25 09:58	06/21/25 10:11	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2543045	1	06/20/25 10:11	06/23/25 18:29	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2538422	1	06/14/25 03:23	06/14/25 17:57	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2538571	5	06/14/25 09:40	06/17/25 19:28	DLS	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2540950	1	06/18/25 23:34	06/19/25 13:32	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2538469	1	06/14/25 08:24	06/14/25 14:05	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2538477	5	06/14/25 08:25	06/16/25 04:00	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2538252	25	06/13/25 15:13	06/13/25 20:41	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538238	1	06/13/25 15:13	06/14/25 00:50	WHS	Mt. Juliet, TN

SAMPLE SUMMARY

GACO0612T149-2CRS007 L1869427-08

Collected by
Collected date/time
Received date/time

06/12/25 11:30 06/13/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2538491	1	06/16/25 19:30	06/17/25 01:50	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2538475	2	06/16/25 20:31	06/17/25 14:15	MBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2538512	1	06/16/25 12:27	06/16/25 22:52	KB	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Ds

⁶ Sr

⁷ Qc

⁸ Gl

⁹ Al

¹⁰ Sc

GACO0612T149-2CRT002 L1869427-09

Collected by
Collected date/time
Received date/time

06/12/25 07:00 06/13/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538285	1	06/13/25 20:05	06/13/25 20:05	JAH	Mt. Juliet, TN

GACO0612T149-2CRS008 L1869427-10

Collected by
Collected date/time
Received date/time

06/12/25 11:15 06/13/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2540937	1	06/20/25 10:56	06/20/25 10:56	BAG	Mt. Juliet, TN
Calculated Results	WG2538422	1	06/14/25 03:23	06/17/25 13:34	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2538345	1	06/13/25 19:40	06/13/25 19:53	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2538429	1	06/14/25 09:19	06/17/25 01:40	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2539790	5	06/16/25 20:55	06/17/25 13:34	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2538833	1	06/24/25 18:51	06/26/25 05:48	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2543012	1	06/20/25 09:58	06/21/25 10:11	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2543045	1	06/20/25 10:11	06/23/25 18:29	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2538422	10	06/14/25 03:23	06/14/25 18:46	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2538557	5	06/14/25 09:39	06/17/25 18:21	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2540950	1	06/18/25 23:34	06/19/25 13:34	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2538469	1	06/14/25 08:24	06/14/25 13:29	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2538477	5	06/14/25 08:25	06/16/25 03:20	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2538252	25	06/13/25 15:13	06/13/25 21:40	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538238	1	06/13/25 15:13	06/14/25 01:10	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2538491	1	06/16/25 19:30	06/17/25 00:59	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2538475	2	06/16/25 20:31	06/17/25 13:10	MBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2538513	1	06/16/25 09:44	06/16/25 20:58	KB	Mt. Juliet, TN

Collected by
Collected date/time
Received date/time

06/12/25 10:40 06/13/25 12:30

GACO0612T149-2CRS009 L1869427-11

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2540937	1	06/20/25 10:59	06/20/25 10:59	BAG	Mt. Juliet, TN
Calculated Results	WG2538422	1	06/14/25 03:23	06/17/25 13:10	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2538345	1	06/13/25 19:40	06/13/25 19:53	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2538429	1	06/14/25 09:19	06/17/25 01:44	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2539790	5	06/16/25 20:55	06/17/25 13:10	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2538833	1	06/24/25 18:51	06/26/25 06:33	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2543012	1	06/20/25 09:58	06/21/25 10:11	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2543045	1	06/20/25 10:11	06/23/25 18:29	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2538422	1	06/14/25 03:23	06/14/25 19:35	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2538557	5	06/14/25 09:39	06/17/25 18:21	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2540950	1	06/18/25 23:34	06/19/25 13:36	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2538469	1	06/14/25 08:24	06/14/25 14:07	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2538477	5	06/14/25 08:25	06/16/25 04:03	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2538252	25	06/13/25 15:13	06/13/25 22:01	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538238	1	06/13/25 15:13	06/14/25 01:30	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2538491	1	06/16/25 19:30	06/17/25 00:21	JAS	Mt. Juliet, TN

ACCOUNT:
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PROJECT:
PROJ-054017

SDG:
L1869427

DATE/TIME:
06/30/25 10:23

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SAMPLE SUMMARY

GACO0612T149-2CRS009 L1869427-11

Collected by
Collected date/time
Received date/time

06/12/25 10:40 06/13/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2538475	2	06/16/25 20:31	06/17/25 14:36	MBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2538512	1	06/16/25 12:27	06/16/25 23:11	KB	Mt. Juliet, TN



GACO0612T149-2CRT003 L1869427-12

Collected by
Collected date/time
Received date/time

06/12/25 07:00 06/13/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538285	1	06/13/25 20:25	06/13/25 20:25	JAH	Mt. Juliet, TN

GACO0612T149-2CRS010 L1869427-13

Collected by
Collected date/time
Received date/time

06/12/25 11:15 06/13/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2540937	1	06/20/25 11:02	06/20/25 11:02	BAG	Mt. Juliet, TN
Calculated Results	WG2538422	1	06/14/25 03:23	06/17/25 13:12	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2538345	1	06/13/25 19:40	06/13/25 19:53	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2538429	1	06/14/25 09:19	06/17/25 01:46	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2539790	5	06/16/25 20:55	06/17/25 13:12	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2538833	1	06/24/25 18:51	06/26/25 06:42	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2543012	1	06/20/25 09:58	06/21/25 10:11	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2543045	1	06/20/25 10:11	06/23/25 18:29	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2538422	1	06/14/25 03:23	06/14/25 19:51	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2538571	5	06/14/25 09:40	06/17/25 19:28	DLS	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2540950	1	06/18/25 23:34	06/19/25 13:37	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2538469	1	06/14/25 08:24	06/14/25 14:10	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2538477	5	06/14/25 08:25	06/16/25 04:07	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2538252	25	06/13/25 15:13	06/13/25 22:20	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538238	1	06/13/25 15:13	06/14/25 01:51	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2538491	1	06/16/25 19:30	06/17/25 02:03	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2538475	2	06/16/25 20:31	06/17/25 14:57	MBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2538512	1	06/16/25 12:27	06/16/25 23:31	KB	Mt. Juliet, TN

GACO0612T149-2CRS011 L1869427-14

Collected by
Collected date/time
Received date/time

06/12/25 10:55 06/13/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2540937	1	06/20/25 11:05	06/20/25 11:05	BAG	Mt. Juliet, TN
Calculated Results	WG2538422	1	06/14/25 03:23	06/17/25 13:13	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2538346	1	06/13/25 19:55	06/13/25 20:09	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2538429	1	06/14/25 09:19	06/17/25 01:47	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2539790	5	06/16/25 20:55	06/17/25 13:13	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2538833	1	06/24/25 18:51	06/26/25 07:09	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2543012	1	06/20/25 09:58	06/21/25 10:11	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2543045	1	06/20/25 10:11	06/23/25 18:29	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2538422	1.05	06/14/25 03:23	06/14/25 20:08	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2538571	5	06/14/25 09:39	06/17/25 18:21	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2540950	1	06/18/25 23:34	06/19/25 13:39	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2538469	1	06/14/25 08:24	06/14/25 14:13	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2538477	5	06/14/25 08:25	06/16/25 04:10	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2538252	25	06/13/25 15:13	06/13/25 22:39	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538238	1	06/13/25 15:13	06/14/25 02:11	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2538491	1	06/16/25 19:30	06/17/25 02:41	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2538475	2	06/16/25 20:31	06/17/25 15:19	MBE	Mt. Juliet, TN

ACCOUNT:
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PROJECT:
PROJ-054017

SDG:
L1869427

DATE/TIME:
06/30/25 10:23

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SAMPLE SUMMARY

GACO0612T149-2CRS011 L1869427-14

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2538512	1	06/16/25 12:27	06/16/25 23:50	KB	Mt. Juliet, TN

GACO0612T149-2CRC011 L1869427-15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2540937	1	06/20/25 11:08	06/20/25 11:08	BAG	Mt. Juliet, TN
Calculated Results	WG2538422	1	06/14/25 03:23	06/17/25 13:15	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2538346	1	06/13/25 19:55	06/13/25 20:09	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2538429	1	06/14/25 09:19	06/17/25 01:49	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2539790	5	06/16/25 20:55	06/17/25 13:15	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2538833	1	06/24/25 18:51	06/26/25 07:18	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2543012	1	06/20/25 09:58	06/21/25 10:11	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2543045	1	06/20/25 10:11	06/23/25 18:29	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2538422	1.01	06/14/25 03:23	06/14/25 20:24	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2538557	5	06/14/25 09:39	06/17/25 18:22	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2540950	1	06/18/25 23:34	06/19/25 13:41	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2538469	1	06/14/25 08:24	06/14/25 14:16	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2538477	5	06/14/25 08:25	06/16/25 04:13	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2538252	25	06/13/25 15:13	06/13/25 22:58	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538238	1	06/13/25 15:13	06/14/25 02:31	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2538491	1	06/16/25 19:30	06/17/25 02:53	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2538475	2	06/16/25 20:31	06/17/25 15:40	MBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2538512	1	06/16/25 12:27	06/17/25 00:10	KB	Mt. Juliet, TN

GACO0612T149-2CRS012 L1869427-16

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2540937	1	06/20/25 11:11	06/20/25 11:11	BAG	Mt. Juliet, TN
Calculated Results	WG2538422	1	06/14/25 03:23	06/17/25 13:17	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2538346	1	06/13/25 19:55	06/13/25 20:09	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2538429	1	06/14/25 09:19	06/17/25 01:51	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2539790	5	06/16/25 20:55	06/17/25 13:17	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2538833	1	06/24/25 18:51	06/26/25 07:27	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2543012	1	06/20/25 09:58	06/21/25 10:11	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2543045	1	06/20/25 10:11	06/23/25 18:29	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2538422	1.04	06/14/25 03:23	06/14/25 20:40	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2538557	5	06/14/25 09:39	06/17/25 18:22	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2540950	1	06/18/25 23:34	06/19/25 13:42	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2538469	1	06/14/25 08:24	06/14/25 14:18	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2538477	5	06/14/25 08:25	06/16/25 04:16	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2538252	25	06/13/25 15:13	06/13/25 23:18	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538238	1	06/13/25 15:13	06/14/25 02:51	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2538491	1	06/16/25 19:30	06/17/25 00:34	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2538475	2	06/16/25 20:31	06/17/25 16:02	MBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2538512	1	06/16/25 12:27	06/17/25 03:24	KB	Mt. Juliet, TN



SAMPLE SUMMARY

GACO0612T149-2CRT004 L1869427-17

Collected by
Collected date/time
Received date/time

06/12/25 07:00 06/13/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538285	1	06/13/25 20:45	06/13/25 20:45	JAH	Mt. Juliet, TN

GACO0612T149-2CRS013 L1869427-18

Collected by
Collected date/time
Received date/time

06/12/25 10:30 06/13/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2540937	1	06/20/25 11:14	06/20/25 11:14	BAG	Mt. Juliet, TN
Calculated Results	WG2538422	1	06/14/25 03:23	06/17/25 13:19	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2538346	1	06/13/25 19:55	06/13/25 20:09	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2538429	1	06/14/25 09:19	06/17/25 01:52	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2539790	5	06/16/25 20:55	06/17/25 13:19	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2538833	1	06/24/25 18:51	06/26/25 07:36	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2543012	1	06/20/25 09:58	06/21/25 10:11	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2543045	1	06/20/25 10:11	06/23/25 18:29	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2538422	1.01	06/14/25 03:23	06/14/25 20:57	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2538557	5	06/14/25 09:39	06/17/25 18:23	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2540950	1	06/18/25 23:34	06/19/25 13:44	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2538469	1	06/14/25 08:24	06/14/25 14:21	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2538477	5	06/14/25 08:25	06/16/25 04:19	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2538252	25	06/13/25 15:13	06/13/25 23:54	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538686	1	06/13/25 15:13	06/14/25 13:51	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2538491	1	06/16/25 19:30	06/17/25 03:06	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2538475	2	06/16/25 20:31	06/17/25 16:24	MBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2538512	1	06/16/25 12:27	06/17/25 00:29	KB	Mt. Juliet, TN

GACO0612T149-2CRS014 L1869427-19

Collected by
Collected date/time
Received date/time

06/12/25 10:40 06/13/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2540937	1	06/20/25 11:17	06/20/25 11:17	BAG	Mt. Juliet, TN
Calculated Results	WG2538422	1	06/14/25 03:23	06/17/25 13:21	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2538346	1	06/13/25 19:55	06/13/25 20:09	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2538429	1	06/14/25 09:19	06/17/25 01:58	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2539790	5	06/16/25 20:55	06/17/25 13:21	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2538833	1	06/24/25 18:51	06/26/25 07:45	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2543012	1	06/20/25 09:58	06/21/25 10:11	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2543045	1	06/20/25 10:11	06/23/25 18:29	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2538422	1	06/14/25 03:23	06/14/25 21:13	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2538557	5	06/14/25 09:39	06/17/25 18:23	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2540950	1	06/18/25 23:34	06/19/25 13:49	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2538469	1	06/14/25 08:24	06/14/25 14:30	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2538477	5	06/14/25 08:25	06/16/25 04:28	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2538252	25	06/13/25 15:13	06/14/25 00:14	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538686	1	06/13/25 15:13	06/14/25 14:10	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2538491	1	06/16/25 19:30	06/17/25 01:37	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2538475	1	06/16/25 20:31	06/17/25 12:06	MBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2538512	1	06/16/25 12:27	06/17/25 00:49	KB	Mt. Juliet, TN



SAMPLE SUMMARY

GACO0612T149-2CRS015 L1869427-20

Collected by
Collected date/time
Received date/time

06/12/25 10:55 06/13/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2540937	1	06/20/25 11:20	06/20/25 11:20	BAG	Mt. Juliet, TN
Calculated Results	WG2538422	1	06/14/25 03:23	06/17/25 13:23	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2538346	1	06/13/25 19:55	06/13/25 20:09	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2538429	1	06/14/25 09:19	06/17/25 02:00	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2539790	5	06/16/25 20:55	06/17/25 13:23	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2538833	1	06/24/25 18:51	06/26/25 07:54	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2543012	1	06/20/25 09:58	06/21/25 10:11	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2543045	1	06/20/25 10:11	06/23/25 18:29	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2538422	1	06/14/25 03:23	06/14/25 21:29	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2538557	5	06/14/25 09:39	06/17/25 18:23	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2540950	1	06/18/25 23:34	06/19/25 13:51	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2538469	1	06/14/25 08:24	06/14/25 14:32	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2538477	5	06/14/25 08:25	06/16/25 04:32	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2538252	25	06/13/25 15:13	06/14/25 00:33	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538686	1	06/13/25 15:13	06/14/25 14:29	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2538491	1	06/16/25 19:30	06/17/25 00:47	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2538475	2	06/16/25 20:31	06/17/25 16:45	MBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2538512	1	06/16/25 12:27	06/17/25 05:02	KB	Mt. Juliet, TN



GACO0612T149-2CRS016 L1869427-21

Collected by
Collected date/time
Received date/time

06/12/25 11:05 06/13/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2540937	1	06/20/25 11:28	06/20/25 11:28	BAG	Mt. Juliet, TN
Calculated Results	WG2538422	1	06/14/25 03:23	06/17/25 13:25	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2538346	1	06/13/25 19:55	06/13/25 20:09	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2538429	1	06/14/25 09:19	06/17/25 02:01	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2539790	5	06/16/25 20:55	06/17/25 13:25	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2538833	1	06/24/25 18:51	06/26/25 08:12	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2543012	1	06/20/25 09:58	06/21/25 10:11	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2543045	1	06/20/25 10:11	06/23/25 18:29	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2538422	1	06/14/25 03:23	06/14/25 21:46	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2538557	5	06/14/25 09:39	06/17/25 18:23	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2540950	1	06/18/25 23:34	06/19/25 13:52	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2538469	1	06/14/25 08:24	06/14/25 14:35	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2538477	5	06/14/25 08:25	06/16/25 04:35	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2538252	25	06/13/25 15:13	06/14/25 00:52	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538686	1	06/13/25 15:13	06/14/25 14:48	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2538492	10	06/16/25 14:00	06/16/25 21:19	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2538475	2	06/16/25 20:31	06/17/25 17:07	MBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2538512	1	06/16/25 12:27	06/17/25 03:44	KB	Mt. Juliet, TN

GACO0612T149-2CRT005 L1869427-22

Collected by
Collected date/time
Received date/time

06/12/25 07:00 06/13/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538285	1	06/13/25 21:05	06/13/25 21:05	JAH	Mt. Juliet, TN

SAMPLE SUMMARY

GACO0612T149-2CRS017 L1869427-23

Collected by
Collected date/time
Received date/time

06/12/25 11:35 06/13/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2540940	1	06/19/25 18:40	06/19/25 18:40	MAP	Mt. Juliet, TN
Calculated Results	WG2538423	1	06/14/25 03:43	06/17/25 13:27	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2538346	1	06/13/25 19:55	06/13/25 20:09	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2538429	1	06/14/25 09:19	06/17/25 02:03	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2539790	5	06/16/25 20:55	06/17/25 13:27	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2538833	1	06/24/25 18:51	06/26/25 09:01	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2542321	1	06/19/25 13:35	06/21/25 07:16	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2542344	1	06/19/25 13:38	06/21/25 16:12	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2538423	10.1	06/14/25 03:43	06/14/25 17:26	GEB	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2538571	9	06/14/25 09:40	06/17/25 19:30	DLS	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2540952	1	06/18/25 11:13	06/19/25 15:58	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2538469	1	06/14/25 08:24	06/14/25 14:38	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2538477	5	06/14/25 08:25	06/16/25 04:38	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2538252	25	06/13/25 15:13	06/14/25 01:46	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538686	1	06/13/25 15:13	06/14/25 15:08	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2538492	1	06/16/25 14:00	06/16/25 18:43	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2538475	1	06/16/25 20:31	06/17/25 12:27	MBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2538512	1	06/16/25 12:27	06/17/25 02:06	KB	Mt. Juliet, TN



GACO0612T149-2CRS018 L1869427-24

Collected by
Collected date/time
Received date/time

06/12/25 11:50 06/13/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2545177	1	06/25/25 13:03	06/25/25 13:03	JTM	Mt. Juliet, TN
Calculated Results	WG2538423	1	06/14/25 03:43	06/18/25 12:23	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2538346	1	06/13/25 19:55	06/13/25 20:09	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2540890	1	06/17/25 23:11	06/18/25 02:50	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2540094	5	06/17/25 20:24	06/18/25 12:23	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2538833	1	06/24/25 18:51	06/26/25 09:10	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2546541	1	06/25/25 13:12	06/25/25 13:55	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2546424	1	06/25/25 11:54	06/25/25 15:50	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2538423	5	06/14/25 03:43	06/14/25 17:39	GEB	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2538557	9	06/14/25 09:39	06/17/25 18:23	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2546127	1	06/25/25 07:46	06/25/25 10:12	RLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2538469	1	06/14/25 08:24	06/14/25 14:40	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2538477	5	06/14/25 08:25	06/16/25 04:41	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2538252	25	06/13/25 16:43	06/14/25 02:05	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538686	1	06/13/25 15:13	06/14/25 15:27	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2538492	1	06/16/25 14:00	06/17/25 11:04	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2538475	1	06/16/25 20:31	06/17/25 12:49	MBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2538512	1	06/16/25 12:27	06/17/25 02:26	KB	Mt. Juliet, TN

GACO0612T149-2CRT006 L1869427-25

Collected by
Collected date/time
Received date/time

06/12/25 07:00 06/13/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538285	1	06/13/25 21:25	06/13/25 21:25	JAH	Mt. Juliet, TN

SAMPLE SUMMARY

GACO0612T149-2CRS001 L1869427-26

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2538766	1	06/13/25 19:14	06/14/25 18:13	DDD	Mt. Juliet, TN

Collected by
Collected date/time
Received date/time

06/12/25 12:00
06/13/25 12:30

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

GACO0612T149-2CRS002 L1869427-27

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2538766	1	06/13/25 19:14	06/14/25 18:13	DDD	Mt. Juliet, TN

Collected by
Collected date/time
Received date/time

06/12/25 12:05
06/13/25 12:30

GACO0612T149-2CRS003 L1869427-28

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2538766	1	06/13/25 19:14	06/14/25 18:14	DDD	Mt. Juliet, TN

Collected by
Collected date/time
Received date/time

06/12/25 12:15
06/13/25 12:30

GACO0612T149-2CRS005 L1869427-29

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2538766	1	06/13/25 19:14	06/14/25 19:28	DDD	Mt. Juliet, TN

Collected by
Collected date/time
Received date/time

06/12/25 11:45
06/13/25 12:30

GACO0612T149-2CRS006 L1869427-30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2538766	1	06/13/25 19:14	06/14/25 19:28	DDD	Mt. Juliet, TN

Collected by
Collected date/time
Received date/time

06/12/25 10:05
06/13/25 12:30

GACO0612T149-2CRC006 L1869427-31

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2538766	1	06/13/25 19:14	06/14/25 19:29	DDD	Mt. Juliet, TN

Collected by
Collected date/time
Received date/time

06/12/25 10:05
06/13/25 12:30

GACO0612T149-2CRS007 L1869427-32

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2538766	1	06/13/25 19:14	06/14/25 19:28	DDD	Mt. Juliet, TN

Collected by
Collected date/time
Received date/time

06/12/25 11:30
06/13/25 12:30

GACO0612T149-2CRS008 L1869427-33

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2538766	1	06/13/25 19:14	06/14/25 19:04	DDD	Mt. Juliet, TN

Collected by
Collected date/time
Received date/time

06/12/25 11:15
06/13/25 12:30

SAMPLE SUMMARY

GACO0612T149-2CRS009 L1869427-34

				Collected by	Collected date/time	Received date/time
					06/12/25 10:40	06/13/25 12:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2538766	1	06/13/25 19:14	06/14/25 19:05	DDD	Mt. Juliet, TN

¹Cp

²Tc

³Ss

GACO0612T149-2CRS010 L1869427-35

				Collected by	Collected date/time	Received date/time
					06/12/25 11:15	06/13/25 12:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2538891	1	06/14/25 19:48	06/14/25 20:34	ZRG	Mt. Juliet, TN

⁴Cn

⁵Ds

GACO0612T149-2CRS011 L1869427-36

				Collected by	Collected date/time	Received date/time
					06/12/25 10:55	06/13/25 12:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2538891	1	06/14/25 19:48	06/14/25 20:34	ZRG	Mt. Juliet, TN

⁶Sr

⁷Qc

GACO0612T149-2CRC011 L1869427-37

				Collected by	Collected date/time	Received date/time
					06/12/25 10:55	06/13/25 12:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2538891	1	06/14/25 19:48	06/14/25 20:35	ZRG	Mt. Juliet, TN

⁸Gl

⁹Al

GACO0612T149-2CRS012 L1869427-38

				Collected by	Collected date/time	Received date/time
					06/12/25 10:20	06/13/25 12:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2538891	1	06/14/25 19:48	06/14/25 20:35	ZRG	Mt. Juliet, TN

¹⁰Sc

GACO0612T149-2CRS013 L1869427-39

				Collected by	Collected date/time	Received date/time
					06/12/25 10:30	06/13/25 12:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2538891	1	06/14/25 19:48	06/14/25 20:36	ZRG	Mt. Juliet, TN

GACO0612T149-2CRS014 L1869427-40

				Collected by	Collected date/time	Received date/time
					06/12/25 10:40	06/13/25 12:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2538891	1	06/14/25 19:48	06/14/25 20:00	ZRG	Mt. Juliet, TN

GACO0612T149-2CRS015 L1869427-41

				Collected by	Collected date/time	Received date/time
					06/12/25 10:55	06/13/25 12:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2538891	1	06/14/25 19:48	06/14/25 20:54	ZRG	Mt. Juliet, TN

SAMPLE SUMMARY

GACO0612T149-2CRS016 L1869427-42

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2538891	1	06/14/25 19:48	06/14/25 21:29	ZRG	Mt. Juliet, TN

Collected by

Collected date/time

Received date/time

06/12/25 11:05

06/13/25 12:30

¹Cp

GACO0612T149-2CRS017 L1869427-43

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2538891	1	06/14/25 19:48	06/14/25 21:29	ZRG	Mt. Juliet, TN

Collected by

Collected date/time

Received date/time

06/12/25 11:35

06/13/25 12:30

³Ss

⁴Cn

⁵Ds

GACO0612T149-2CRS018 L1869427-44

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2538891	1	06/14/25 19:48	06/14/25 21:30	ZRG	Mt. Juliet, TN

Collected by

Collected date/time

Received date/time

06/12/25 11:50

06/13/25 12:30

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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 radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. 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.



Jared Starkey
Project Manager

Report Revision History

Level II Report - Version 1: 06/27/25 11:22

Project Comments

WG2538512 - The MSD of the batch QC was inadvertently not surrogated during extraction, surrogate recoveries are zero. The recovery of all targets in the MS/MSD are good, precision demonstrated with excellent RPDs.

WG2538475/WG2538473 - Benzidine(0%) is reporting with critically low recovery in the laboratory control sample(s). This compound is a method defined poor performer. Results are estimated.

PDF File error, regenerating.

Wet Chemistry by Method 350.1

The sample matrix interfered with the ability to make any accurate determination; spike value is high.

Batch	Lab Sample ID	Analytes
WG2538429	(MS) R4231303-5, (MSD) R4231303-6, L1869427-10	Ammonia Nitrogen

Wet Chemistry by Method 4500NOrg D-2021

The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).

Batch	Lab Sample ID	Analytes
WG2539790	(MS) R4231606-3	Kjeldahl Nitrogen, TKN
WG2539790	(MS) R4231606-6	Kjeldahl Nitrogen, TKN
WG2539790	(MSD) R4231606-7	Kjeldahl Nitrogen, TKN
WG2540094	(MS) R4232217-5	Kjeldahl Nitrogen, TKN
WG2540094	(MS) R4232217-6	Kjeldahl Nitrogen, TKN
WG2540094	(MSD) R4232217-7	Kjeldahl Nitrogen, TKN

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG2539790	(MS) R4231606-6, (MS) R4231606-3, (MSD) R4231606-7	Kjeldahl Nitrogen, TKN
WG2540094	(MS) R4232217-6, (MSD) R4232217-7	Kjeldahl Nitrogen, TKN



CASE NARRATIVE

Wet Chemistry by Method 4500NOrg D-2021

The sample concentration is too high to evaluate accurate spike recoveries.

Batch	Lab Sample ID	Analytes
WG2540094	(MS) R4232217-5	Kjeldahl Nitrogen, TKN

Wet Chemistry by Method 7199

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG2538832	(MS) R4236369-5, (MSD) R4236369-6	Hexavalent Chromium
WG2538833	(MSD) R4236630-5, L1869427-10	Hexavalent Chromium

Wet Chemistry by Method 9056A

The sample concentration is too high to evaluate accurate spike recoveries.

Batch	Lab Sample ID	Analytes
WG2538422	(MS) R4230582-3, L1869427-10	Nitrate-Nitrite

Wet Chemistry by Method WALKLEY-BLACK

The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).

Batch	Lab Sample ID	Analytes
WG2538571	(MS) R4231865-5	TOC By Walkley Black
WG2538571	(MSD) R4231865-6	TOC By Walkley Black

Metals (ICP) by Method 6010D

The sample concentration is too high to evaluate accurate spike recoveries.

Batch	Lab Sample ID	Analytes
WG2538469	(MS) R4230434-5, (MSD) R4230434-6, L1869427-10	Aluminum, Calcium and Iron

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG2538469	(MS) R4230434-5, (MSD) R4230434-6, L1869427-10	Antimony and Potassium

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG2538469	(MSD) R4230434-6, L1869427-10	Aluminum and Antimony

The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.

Batch	Lab Sample ID	Analytes
WG2538469	L1869427-10	Iron

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



CASE NARRATIVE

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

The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

Batch	Lab Sample ID	Analytes
WG2538238	L1869427-01	Acetone and Bromomethane
WG2538238	L1869427-02	Acetone and Bromomethane
WG2538238	L1869427-03	Acetone and Bromomethane
WG2538238	L1869427-05	Acetone and Bromomethane
WG2538238	L1869427-06	Acetone and Bromomethane
WG2538238	L1869427-07	Acetone and Bromomethane
WG2538238	L1869427-08	Acetone and Bromomethane
WG2538238	L1869427-10	Acetone and Bromomethane
WG2538238	L1869427-11	Acetone and Bromomethane
WG2538238	L1869427-13	Acetone and Bromomethane
WG2538238	L1869427-14	Acetone and Bromomethane
WG2538238	L1869427-15	Acetone and Bromomethane
WG2538238	L1869427-16	Acetone and Bromomethane
WG2538285	L1869427-04	2-Butanone (MEK), 4-Methyl-2-pentanone (MIBK), Acetone, Acrolein and Chloromethane
WG2538285	L1869427-09	2-Butanone (MEK), 4-Methyl-2-pentanone (MIBK), Acetone, Acrolein and Chloromethane
WG2538285	L1869427-12	2-Butanone (MEK), 4-Methyl-2-pentanone (MIBK), Acetone, Acrolein and Chloromethane
WG2538285	L1869427-17	2-Butanone (MEK), 4-Methyl-2-pentanone (MIBK), Acetone, Acrolein and Chloromethane
WG2538285	L1869427-22	2-Butanone (MEK), 4-Methyl-2-pentanone (MIBK), Acetone, Acrolein and Chloromethane
WG2538285	L1869427-25	2-Butanone (MEK), 4-Methyl-2-pentanone (MIBK), Acetone, Acrolein and Chloromethane
WG2538686	L1869427-18	1,2,3-Trichlorobenzene, Bromomethane, Hexachloro-1,3-butadiene and Tetrachloroethene
WG2538686	L1869427-19	1,2,3-Trichlorobenzene, Bromomethane, Hexachloro-1,3-butadiene and Tetrachloroethene
WG2538686	L1869427-20	1,2,3-Trichlorobenzene, Bromomethane, Hexachloro-1,3-butadiene and Tetrachloroethene
WG2538686	L1869427-21	1,2,3-Trichlorobenzene, Bromomethane, Hexachloro-1,3-butadiene and Tetrachloroethene
WG2538686	L1869427-23	1,2,3-Trichlorobenzene, Bromomethane, Hexachloro-1,3-butadiene and Tetrachloroethene
WG2538686	L1869427-24	1,2,3-Trichlorobenzene, Bromomethane, Hexachloro-1,3-butadiene and Tetrachloroethene

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2538686	(LCS) R4230652-1, (LCSD) R4230652-2, L1869427-18, 19, 20, 21, 23, 24	2-Butanone (MEK)

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

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG2538491	(MS) R4231410-3, (MSD) R4231410-4, L1869427-10	C10-C28 Diesel Range



CASE NARRATIVE

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

The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

Batch	Lab Sample ID	Analytes
WG2538473	L1869427-01	2,2-Oxybis(1-Chloropropane), 4-Nitrophenol, Hexachlorocyclopentadiene and n-Nitrosodimethylamine
WG2538473	L1869427-02	2,2-Oxybis(1-Chloropropane), 4-Nitrophenol, Hexachlorocyclopentadiene and n-Nitrosodimethylamine
WG2538473	L1869427-03	2,2-Oxybis(1-Chloropropane), 4-Nitrophenol, Hexachlorocyclopentadiene and n-Nitrosodimethylamine
WG2538473	L1869427-05	2,2-Oxybis(1-Chloropropane), 4-Nitrophenol, Hexachlorocyclopentadiene and n-Nitrosodimethylamine
WG2538473	L1869427-06	2,2-Oxybis(1-Chloropropane), 4-Nitrophenol, Hexachlorocyclopentadiene and n-Nitrosodimethylamine
WG2538475	L1869427-07	4-Nitrophenol
WG2538475	L1869427-08	4-Nitrophenol
WG2538475	L1869427-10	4-Nitrophenol
WG2538475	L1869427-11	4-Nitrophenol
WG2538475	L1869427-13	4-Nitrophenol
WG2538475	L1869427-14	4-Nitrophenol
WG2538475	L1869427-15	4-Nitrophenol
WG2538475	L1869427-16	4-Nitrophenol
WG2538475	L1869427-18	4-Nitrophenol
WG2538475	L1869427-19	4-Nitrophenol
WG2538475	L1869427-20	4-Nitrophenol
WG2538475	L1869427-21	4-Nitrophenol
WG2538475	L1869427-23	4-Nitrophenol
WG2538475	L1869427-24	4-Nitrophenol

The initial calibration verification standard (SSCV) associated with this data responded high.

Batch	Lab Sample ID	Analytes
WG2538473	L1869427-01	Hexachlorocyclopentadiene
WG2538473	L1869427-02	Hexachlorocyclopentadiene
WG2538473	L1869427-03	Hexachlorocyclopentadiene
WG2538473	L1869427-05	Hexachlorocyclopentadiene
WG2538473	L1869427-06	Hexachlorocyclopentadiene
WG2538475	L1869427-07	Hexachlorocyclopentadiene
WG2538475	L1869427-08	Hexachlorocyclopentadiene
WG2538475	L1869427-10	Hexachlorocyclopentadiene
WG2538475	L1869427-11	Hexachlorocyclopentadiene
WG2538475	L1869427-13	Hexachlorocyclopentadiene
WG2538475	L1869427-14	Hexachlorocyclopentadiene
WG2538475	L1869427-15	Hexachlorocyclopentadiene
WG2538475	L1869427-16	Hexachlorocyclopentadiene
WG2538475	L1869427-18	Hexachlorocyclopentadiene
WG2538475	L1869427-19	Hexachlorocyclopentadiene
WG2538475	L1869427-20	Hexachlorocyclopentadiene
WG2538475	L1869427-21	Hexachlorocyclopentadiene
WG2538475	L1869427-23	Hexachlorocyclopentadiene
WG2538475	L1869427-24	Hexachlorocyclopentadiene

The associated batch QC was below the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2538473	(LCS) R4231861-1, L1869427-01, 02, 03, 05, 06	Benzidine
WG2538475	(LCS) R4231872-1, L1869427-07, 08, 10, 11, 13, 14, 15, 16, 18, 19, 20, 21, 23, 24	Benzidine



CASE NARRATIVE

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

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG2538473	(MS) R4231861-3, (MSD) R4231861-4	33 analytes
WG2538475	(MS) R4231872-3, (MSD) R4231872-4, L1869427-10	Benzidine, Hexachlorocyclopentadiene and Nitrobenzene

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG2538473	(MSD) R4231861-4	39 analytes
WG2538475	(MSD) R4231872-4, L1869427-10	4-Nitrophenol and Nitrobenzene

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

Surrogate recovery limits have been exceeded; values are outside lower control limits.

Batch	Analyte	Lab Sample ID
WG2538512	2-Fluorobiphenyl	(MSD) R4231430-4
WG2538512	Nitrobenzene-d5	(MSD) R4231430-4
WG2538512	p-Terphenyl-d14	(MSD) R4231430-4

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2538511	(LCS) R4231381-1, L1869427-02, 05	Benzo(a)anthracene and Dibenz(a,h)anthracene

The sample matrix interfered with the ability to make any accurate determination; spike value is high.

Batch	Lab Sample ID	Analytes
WG2538513	(MS) R4231226-3, L1869427-10	2-Methylnaphthalene and Naphthalene

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG2538513	(MSD) R4231226-4, L1869427-10	1-Methylnaphthalene, 2-Methylnaphthalene, Acenaphthene, Naphthalene and Phenanthrene



DETECTION SUMMARY

Calculated Results

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0612T149-2CRS 001	L1869427-01	Total Nitrogen	270		21.0	1	06/17/2025 12:43	WG2538422
GACO0612T149-2CRS 002	L1869427-02	Total Nitrogen	1640		24.8	1	06/17/2025 12:47	WG2538422
GACO0612T149-2CRS 003	L1869427-03	Total Nitrogen	478		24.7	1	06/17/2025 12:49	WG2538422
GACO0612T149-2CRS 005	L1869427-05	Total Nitrogen	2580		21.8	1	06/17/2025 12:51	WG2538422
GACO0612T149-2CRS 006	L1869427-06	Total Nitrogen	2290		21.6	1	06/17/2025 12:52	WG2538422
GACO0612T149-2CRC 006	L1869427-07	Total Nitrogen	2220		20.8	1	06/17/2025 12:54	WG2538422
GACO0612T149-2CRS 007	L1869427-08	Total Nitrogen	3730		20.9	1	06/17/2025 12:58	WG2538422
GACO0612T149-2CRS 008	L1869427-10	Total Nitrogen	1500		127	1	06/17/2025 13:34	WG2538422
GACO0612T149-2CRS 009	L1869427-11	Total Nitrogen	2890		28.6	1	06/17/2025 13:10	WG2538422
GACO0612T149-2CRS 010	L1869427-13	Total Nitrogen	2920		21.1	1	06/17/2025 13:12	WG2538422
GACO0612T149-2CRS 011	L1869427-14	Total Nitrogen	3580		32.5	1	06/17/2025 13:13	WG2538422
GACO0612T149-2CRC 011	L1869427-15	Total Nitrogen	1890		21.6	1	06/17/2025 13:15	WG2538422
GACO0612T149-2CRS 012	L1869427-16	Total Nitrogen	1710		27.4	1	06/17/2025 13:17	WG2538422
GACO0612T149-2CRS 013	L1869427-18	Total Nitrogen	2990		24.3	1	06/17/2025 13:19	WG2538422
GACO0612T149-2CRS 014	L1869427-19	Total Nitrogen	2990		21.2	1	06/17/2025 13:21	WG2538422
GACO0612T149-2CRS 015	L1869427-20	Total Nitrogen	337		20.6	1	06/17/2025 13:23	WG2538422
GACO0612T149-2CRS 016	L1869427-21	Total Nitrogen	1530		23.5	1	06/17/2025 13:25	WG2538422
GACO0612T149-2CRS 017	L1869427-23	Total Nitrogen	1870		105	1	06/17/2025 13:27	WG2538423
GACO0612T149-2CRS 018	L1869427-24	Total Nitrogen	3500		124	1	06/18/2025 12:23	WG2538423

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Client ID	Lab Sample ID	Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
GACO0612T149-2CRS 001	L1869427-26	Actinium-228 (Ra-228)	1.35		0.267	0.267	0.409	0.184	06/14/2025 18:13	WG2538766
GACO0612T149-2CRS 001	L1869427-26	Bismuth-214 (Ra-226)	0.685		0.166	0.166	0.242	0.111	06/14/2025 18:13	WG2538766
GACO0612T149-2CRS 001	L1869427-26	Lead-214	0.736		0.153	0.153	0.230	0.107	06/14/2025 18:13	WG2538766
GACO0612T149-2CRS 001	L1869427-26	Thorium-234 (U-238)	0.288	U	1.41	1.41	2.84	1.13	06/14/2025 18:13	WG2538766
GACO0612T149-2CRS 001	L1869427-26	Radium-226 (186 KeV)	1.45	J	0.817	0.817	1.45	0.685	06/14/2025 18:13	WG2538766
GACO0612T149-2CRS 002	L1869427-27	Actinium-228 (Ra-228)	1.33		0.308	0.308	0.507	0.221	06/14/2025 18:13	WG2538766
GACO0612T149-2CRS 002	L1869427-27	Bismuth-214 (Ra-226)	0.895		0.210	0.210	0.269	0.120	06/14/2025 18:13	WG2538766
GACO0612T149-2CRS 002	L1869427-27	Lead-214	0.809		0.167	0.167	0.240	0.108	06/14/2025 18:13	WG2538766
GACO0612T149-2CRS 002	L1869427-27	Thorium-234 (U-238)	2.01	J	1.34	1.34	2.28	0.900	06/14/2025 18:13	WG2538766
GACO0612T149-2CRS 002	L1869427-27	Radium-226 (186 KeV)	1.41		0.762	0.762	1.32	0.610	06/14/2025 18:13	WG2538766

DETECTION SUMMARY

Radiochemistry by Method DOE Ga-01-R/901.1

Client ID	Lab Sample ID	Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
GACO0612T149-2CRS 003	L1869427-28	Actinium-228 (Ra-228)	0.910		0.239	0.239	0.370	0.159	06/14/2025 18:14	WG2538766
GACO0612T149-2CRS 003	L1869427-28	Bismuth-214 (Ra-226)	0.820		0.171	0.171	0.198	0.0877	06/14/2025 18:14	WG2538766
GACO0612T149-2CRS 003	L1869427-28	Lead-214	0.641		0.224	0.224	0.176	0.0795	06/14/2025 18:14	WG2538766
GACO0612T149-2CRS 003	L1869427-28	Thorium-234 (U-238)	0.702	U	0.674	0.674	1.47	0.587	06/14/2025 18:14	WG2538766
GACO0612T149-2CRS 003	L1869427-28	Radium-226 (186 KeV)	1.48		0.625	0.625	0.967	0.451	06/14/2025 18:14	WG2538766
GACO0612T149-2CRS 005	L1869427-29	Actinium-228 (Ra-228)	0.847		0.304	0.304	0.625	0.279	06/14/2025 19:28	WG2538766
GACO0612T149-2CRS 005	L1869427-29	Bismuth-214 (Ra-226)	0.788		0.210	0.210	0.291	0.130	06/14/2025 19:28	WG2538766
GACO0612T149-2CRS 005	L1869427-29	Lead-214	0.834		0.184	0.184	0.272	0.123	06/14/2025 19:28	WG2538766
GACO0612T149-2CRS 005	L1869427-29	Thorium-234 (U-238)	1.33	J	0.996	0.996	2.17	0.868	06/14/2025 19:28	WG2538766
GACO0612T149-2CRS 005	L1869427-29	Radium-226 (186 KeV)	1.58		0.892	0.892	1.52	0.711	06/14/2025 19:28	WG2538766
GACO0612T149-2CRS 006	L1869427-30	Actinium-228 (Ra-228)	0.881		0.212	0.212	0.369	0.166	06/14/2025 19:28	WG2538766
GACO0612T149-2CRS 006	L1869427-30	Bismuth-214 (Ra-226)	0.798		0.152	0.152	0.187	0.0851	06/14/2025 19:28	WG2538766
GACO0612T149-2CRS 006	L1869427-30	Lead-214	0.988		0.162	0.162	0.164	0.0750	06/14/2025 19:28	WG2538766
GACO0612T149-2CRS 006	L1869427-30	Thorium-234 (U-238)	0.924	U	1.05	1.05	2.10	0.837	06/14/2025 19:28	WG2538766
GACO0612T149-2CRS 006	L1869427-30	Radium-226 (186 KeV)	1.34		0.643	0.643	1.12	0.527	06/14/2025 19:28	WG2538766
GACO0612T149-2CRC 006	L1869427-31	Actinium-228 (Ra-228)	0.865		0.221	0.221	0.351	0.152	06/14/2025 19:29	WG2538766
GACO0612T149-2CRC 006	L1869427-31	Bismuth-214 (Ra-226)	0.736		0.152	0.152	0.183	0.0819	06/14/2025 19:29	WG2538766
GACO0612T149-2CRC 006	L1869427-31	Lead-214	0.711		0.124	0.124	0.167	0.0764	06/14/2025 19:29	WG2538766
GACO0612T149-2CRC 006	L1869427-31	Thorium-234 (U-238)	0.853	J	0.688	0.688	1.42	0.568	06/14/2025 19:29	WG2538766
GACO0612T149-2CRC 006	L1869427-31	Radium-226 (186 KeV)	1.18		0.616	0.616	0.978	0.460	06/14/2025 19:29	WG2538766
GACO0612T149-2CRS 007	L1869427-32	Actinium-228 (Ra-228)	1.20		0.263	0.263	0.436	0.196	06/14/2025 19:28	WG2538766
GACO0612T149-2CRS 007	L1869427-32	Bismuth-214 (Ra-226)	0.734		0.167	0.167	0.236	0.108	06/14/2025 19:28	WG2538766
GACO0612T149-2CRS 007	L1869427-32	Lead-214	0.748		0.158	0.158	0.238	0.110	06/14/2025 19:28	WG2538766
GACO0612T149-2CRS 007	L1869427-32	Thorium-234 (U-238)	-0.989	U	1.43	1.43	3.14	1.25	06/14/2025 19:28	WG2538766
GACO0612T149-2CRS 007	L1869427-32	Radium-226 (186 KeV)	0.798	J	0.823	0.823	1.53	0.723	06/14/2025 19:28	WG2538766
GACO0612T149-2CRS 008	L1869427-33	Actinium-228 (Ra-228)	1.01		0.296	0.296	0.538	0.233	06/14/2025 19:04	WG2538766
GACO0612T149-2CRS 008	L1869427-33	Bismuth-214 (Ra-226)	0.813		0.202	0.202	0.252	0.110	06/14/2025 19:04	WG2538766
GACO0612T149-2CRS 008	L1869427-33	Lead-214	0.861		0.167	0.167	0.235	0.105	06/14/2025 19:04	WG2538766
GACO0612T149-2CRS 008	L1869427-33	Thorium-234 (U-238)	0.484	U	1.09	1.09	2.34	0.920	06/14/2025 19:04	WG2538766
GACO0612T149-2CRS 008	L1869427-33	Radium-226 (186 KeV)	0.629	U	0.779	0.779	1.46	0.677	06/14/2025 19:04	WG2538766

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

DETECTION SUMMARY

Radiochemistry by Method DOE Ga-01-R/901.1

Client ID	Lab Sample ID	Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
GACO0612T149-2CRS009	L1869427-34	Actinium-228 (Ra-228)	0.946		0.249	0.249	0.412	0.176	06/14/2025 19:05	WG2538766
GACO0612T149-2CRS009	L1869427-34	Bismuth-214 (Ra-226)	1.02		0.198	0.198	0.228	0.101	06/14/2025 19:05	WG2538766
GACO0612T149-2CRS009	L1869427-34	Lead-214	0.566		0.254	0.254	0.204	0.0923	06/14/2025 19:05	WG2538766
GACO0612T149-2CRS009	L1869427-34	Thorium-234 (U-238)	-0.0144	U	0.676	0.676	1.66	0.661	06/14/2025 19:05	WG2538766
GACO0612T149-2CRS009	L1869427-34	Radium-226 (186 KeV)	2.92		0.711	0.711	0.930	0.428	06/14/2025 19:05	WG2538766
GACO0612T149-2CRS010	L1869427-35	Actinium-228 (Ra-228)	0.860		0.195	0.195	0.271	0.115	06/14/2025 20:34	WG2538891
GACO0612T149-2CRS010	L1869427-35	Bismuth-214 (Ra-226)	0.694		0.146	0.146	0.184	0.0828	06/14/2025 20:34	WG2538891
GACO0612T149-2CRS010	L1869427-35	Lead-214	0.878		0.157	0.157	0.171	0.0778	06/14/2025 20:34	WG2538891
GACO0612T149-2CRS010	L1869427-35	Thorium-234 (U-238)	0.606	U	0.948	0.948	2.02	0.804	06/14/2025 20:34	WG2538891
GACO0612T149-2CRS010	L1869427-35	Radium-226 (186 KeV)	1.08		0.595	0.595	1.05	0.492	06/14/2025 20:34	WG2538891
GACO0612T149-2CRS011	L1869427-36	Actinium-228 (Ra-228)	0.683		0.254	0.254	0.515	0.225	06/14/2025 20:34	WG2538891
GACO0612T149-2CRS011	L1869427-36	Bismuth-214 (Ra-226)	0.525		0.187	0.187	0.304	0.137	06/14/2025 20:34	WG2538891
GACO0612T149-2CRS011	L1869427-36	Lead-214	0.493		0.149	0.149	0.250	0.113	06/14/2025 20:34	WG2538891
GACO0612T149-2CRS011	L1869427-36	Thorium-234 (U-238)	-1.39	U	1.55	1.55	3.37	1.33	06/14/2025 20:34	WG2538891
GACO0612T149-2CRS011	L1869427-36	Radium-226 (186 KeV)	0.169	U	0.880	0.880	1.74	0.815	06/14/2025 20:34	WG2538891
GACO0612T149-2CRC011	L1869427-37	Actinium-228 (Ra-228)	1.08		0.303	0.303	0.480	0.198	06/14/2025 20:35	WG2538891
GACO0612T149-2CRC011	L1869427-37	Bismuth-214 (Ra-226)	0.561		0.177	0.177	0.228	0.0960	06/14/2025 20:35	WG2538891
GACO0612T149-2CRC011	L1869427-37	Lead-214	0.788		0.174	0.174	0.242	0.107	06/14/2025 20:35	WG2538891
GACO0612T149-2CRC011	L1869427-37	Thorium-234 (U-238)	0.642	U	1.19	1.19	2.43	0.949	06/14/2025 20:35	WG2538891
GACO0612T149-2CRC011	L1869427-37	Radium-226 (186 KeV)	1.92		0.775	0.775	1.24	0.563	06/14/2025 20:35	WG2538891
GACO0612T149-2CRS012	L1869427-38	Actinium-228 (Ra-228)	0.887		0.245	0.245	0.431	0.182	06/14/2025 20:35	WG2538891
GACO0612T149-2CRS012	L1869427-38	Bismuth-214 (Ra-226)	0.679		0.186	0.186	0.255	0.114	06/14/2025 20:35	WG2538891
GACO0612T149-2CRS012	L1869427-38	Lead-214	0.548		0.214	0.214	0.171	0.0763	06/14/2025 20:35	WG2538891
GACO0612T149-2CRS012	L1869427-38	Thorium-234 (U-238)	0.374	U	0.724	0.724	1.72	0.683	06/14/2025 20:35	WG2538891
GACO0612T149-2CRS012	L1869427-38	Radium-226 (186 KeV)	1.29		0.507	0.507	0.767	0.355	06/14/2025 20:35	WG2538891
GACO0612T149-2CRS013	L1869427-39	Actinium-228 (Ra-228)	0.930		0.372	0.372	0.740	0.305	06/14/2025 20:36	WG2538891
GACO0612T149-2CRS013	L1869427-39	Bismuth-214 (Ra-226)	0.700		0.256	0.256	0.362	0.154	06/14/2025 20:36	WG2538891
GACO0612T149-2CRS013	L1869427-39	Lead-214	0.729		0.210	0.210	0.367	0.164	06/14/2025 20:36	WG2538891
GACO0612T149-2CRS013	L1869427-39	Thorium-234 (U-238)	0.612	U	0.802	0.802	2.04	0.806	06/14/2025 20:36	WG2538891
GACO0612T149-2CRS013	L1869427-39	Radium-226 (186 KeV)	1.41	J	1.02	1.02	1.69	0.780	06/14/2025 20:36	WG2538891

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

DETECTION SUMMARY

Radiochemistry by Method DOE Ga-01-R/901.1

Client ID	Lab Sample ID	Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
GACO0612T149-2CRS 014	L1869427-40	Actinium-228 (Ra-228)	0.886		0.240	0.240	0.406	0.173	06/14/2025 20:00	WG253889
GACO0612T149-2CRS 014	L1869427-40	Bismuth-214 (Ra-226)	0.576		0.158	0.158	0.213	0.0939	06/14/2025 20:00	WG253889
GACO0612T149-2CRS 014	L1869427-40	Lead-214	0.666		0.139	0.139	0.215	0.0980	06/14/2025 20:00	WG253889
GACO0612T149-2CRS 014	L1869427-40	Thorium-234 (U-238)	1.14	J	0.794	0.794	1.52	0.602	06/14/2025 20:00	WG253889
GACO0612T149-2CRS 014	L1869427-40	Radium-226 (186 KeV)	1.33		0.698	0.698	1.11	0.518	06/14/2025 20:00	WG253889
GACO0612T149-2CRS 015	L1869427-41	Actinium-228 (Ra-228)	1.43		0.306	0.306	0.467	0.205	06/14/2025 20:54	WG253889
GACO0612T149-2CRS 015	L1869427-41	Bismuth-214 (Ra-226)	0.826		0.192	0.192	0.254	0.114	06/14/2025 20:54	WG253889
GACO0612T149-2CRS 015	L1869427-41	Lead-214	0.744		0.152	0.152	0.226	0.103	06/14/2025 20:54	WG253889
GACO0612T149-2CRS 015	L1869427-41	Thorium-234 (U-238)	1.03	J	0.853	0.853	1.82	0.731	06/14/2025 20:54	WG253889
GACO0612T149-2CRS 015	L1869427-41	Radium-226 (186 KeV)	0.747	J	0.751	0.751	1.34	0.632	06/14/2025 20:54	WG253889
GACO0612T149-2CRS 016	L1869427-42	Actinium-228 (Ra-228)	0.688		0.215	0.215	0.412	0.183	06/14/2025 21:29	WG253889
GACO0612T149-2CRS 016	L1869427-42	Bismuth-214 (Ra-226)	0.589		0.154	0.154	0.222	0.101	06/14/2025 21:29	WG253889
GACO0612T149-2CRS 016	L1869427-42	Lead-214	0.479		0.131	0.131	0.221	0.102	06/14/2025 21:29	WG253889
GACO0612T149-2CRS 016	L1869427-42	Thorium-234 (U-238)	-0.363	U	1.11	1.11	2.42	0.957	06/14/2025 21:29	WG253889
GACO0612T149-2CRS 016	L1869427-42	Radium-226 (186 KeV)	0.451	U	0.708	0.708	1.35	0.635	06/14/2025 21:29	WG253889
GACO0612T149-2CRS 017	L1869427-43	Actinium-228 (Ra-228)	0.858		0.297	0.297	0.593	0.256	06/14/2025 21:29	WG253889
GACO0612T149-2CRS 017	L1869427-43	Bismuth-214 (Ra-226)	0.622		0.192	0.192	0.269	0.118	06/14/2025 21:29	WG253889
GACO0612T149-2CRS 017	L1869427-43	Lead-214	0.702		0.173	0.173	0.291	0.132	06/14/2025 21:29	WG253889
GACO0612T149-2CRS 017	L1869427-43	Thorium-234 (U-238)	1.44	J	1.18	1.18	1.98	0.767	06/14/2025 21:29	WG253889
GACO0612T149-2CRS 017	L1869427-43	Radium-226 (186 KeV)	1.42		0.763	0.763	1.31	0.600	06/14/2025 21:29	WG253889
GACO0612T149-2CRS 018	L1869427-44	Actinium-228 (Ra-228)	0.934		0.250	0.250	0.401	0.168	06/14/2025 21:30	WG253889
GACO0612T149-2CRS 018	L1869427-44	Bismuth-214 (Ra-226)	0.704		0.177	0.177	0.229	0.101	06/14/2025 21:30	WG253889
GACO0612T149-2CRS 018	L1869427-44	Lead-214	1.06		0.141	0.141	0.183	0.0824	06/14/2025 21:30	WG253889
GACO0612T149-2CRS 018	L1869427-44	Thorium-234 (U-238)	-0.0751	U	0.672	0.672	1.63	0.647	06/14/2025 21:30	WG253889
GACO0612T149-2CRS 018	L1869427-44	Radium-226 (186 KeV)	0.829		0.484	0.484	0.782	0.362	06/14/2025 21:30	WG253889

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Wet Chemistry by Method 350.1

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0612T149-2CRC 006	L1869427-07	Ammonia Nitrogen	10.4		10.4	1	06/17/2025 01:32	WG2538429

Wet Chemistry by Method 4500NOrg D-2021

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0612T149-2CRS 001	L1869427-01	Kjeldahl Nitrogen, TKN	266		105	5	06/17/2025 12:43	WG2539790

DETECTION SUMMARY

Wet Chemistry by Method 4500NOrg D-2021

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0612T149-2CRS 002	L1869427-02	Kjeldahl Nitrogen, TKN	1640		124	5	06/17/2025 12:47	WG2539790
GACO0612T149-2CRS 003	L1869427-03	Kjeldahl Nitrogen, TKN	478		121	5	06/17/2025 12:49	WG2539790
GACO0612T149-2CRS 005	L1869427-05	Kjeldahl Nitrogen, TKN	2570		106	5	06/17/2025 12:51	WG2539790
GACO0612T149-2CRS 006	L1869427-06	Kjeldahl Nitrogen, TKN	2280		104	5	06/17/2025 12:52	WG2539790
GACO0612T149-2CRC 006	L1869427-07	Kjeldahl Nitrogen, TKN	2220		104	5	06/17/2025 12:54	WG2539790
GACO0612T149-2CRS 007	L1869427-08	Kjeldahl Nitrogen, TKN	3720		104	5	06/17/2025 12:58	WG2539790
GACO0612T149-2CRS 008	L1869427-10	Kjeldahl Nitrogen, TKN	1260		127	5	06/17/2025 13:34	WG2539790
GACO0612T149-2CRS 009	L1869427-11	Kjeldahl Nitrogen, TKN	2890		143	5	06/17/2025 13:10	WG2539790
GACO0612T149-2CRS 010	L1869427-13	Kjeldahl Nitrogen, TKN	2920		106	5	06/17/2025 13:12	WG2539790
GACO0612T149-2CRS 011	L1869427-14	Kjeldahl Nitrogen, TKN	3540		155	5	06/17/2025 13:13	WG2539790
GACO0612T149-2CRC 011	L1869427-15	Kjeldahl Nitrogen, TKN	1790		107	5	06/17/2025 13:15	WG2539790
GACO0612T149-2CRS 012	L1869427-16	Kjeldahl Nitrogen, TKN	1700		132	5	06/17/2025 13:17	WG2539790
GACO0612T149-2CRS 013	L1869427-18	Kjeldahl Nitrogen, TKN	2990		120	5	06/17/2025 13:19	WG2539790
GACO0612T149-2CRS 014	L1869427-19	Kjeldahl Nitrogen, TKN	2980		106	5	06/17/2025 13:21	WG2539790
GACO0612T149-2CRS 015	L1869427-20	Kjeldahl Nitrogen, TKN	332		103	5	06/17/2025 13:23	WG2539790
GACO0612T149-2CRS 016	L1869427-21	Kjeldahl Nitrogen, TKN	1520		118	5	06/17/2025 13:25	WG2539790
GACO0612T149-2CRS 017	L1869427-23	Kjeldahl Nitrogen, TKN	1740		105	5	06/17/2025 13:27	WG2539790
GACO0612T149-2CRS 018	L1869427-24	Kjeldahl Nitrogen, TKN	3410		124	5	06/18/2025 12:23	WG2540094

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Wet Chemistry by Method 9050AMod

Client ID	Lab Sample ID	Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
GACO0612T149-2CRS 001	L1869427-01	Specific Conductance	264	umhos/cm		10.0	1	06/23/2025 18:29	WG2543045
GACO0612T149-2CRS 002	L1869427-02	Specific Conductance	507	umhos/cm		10.0	1	06/23/2025 18:29	WG2543045
GACO0612T149-2CRS 003	L1869427-03	Specific Conductance	302	umhos/cm		10.0	1	06/23/2025 18:29	WG2543045
GACO0612T149-2CRS 005	L1869427-05	Specific Conductance	1290	umhos/cm		10.0	1	06/23/2025 18:29	WG2543045
GACO0612T149-2CRS 006	L1869427-06	Specific Conductance	1640	umhos/cm		10.0	1	06/23/2025 18:29	WG2543045
GACO0612T149-2CRC 006	L1869427-07	Specific Conductance	1490	umhos/cm		10.0	1	06/23/2025 18:29	WG2543045
GACO0612T149-2CRS 007	L1869427-08	Specific Conductance	1060	umhos/cm		10.0	1	06/23/2025 18:29	WG2543045
GACO0612T149-2CRS 008	L1869427-10	Specific Conductance	4230	umhos/cm		10.0	1	06/23/2025 18:29	WG2543045
GACO0612T149-2CRS 009	L1869427-11	Specific Conductance	900	umhos/cm		10.0	1	06/23/2025 18:29	WG2543045
GACO0612T149-2CRS 010	L1869427-13	Specific Conductance	915	umhos/cm		10.0	1	06/23/2025 18:29	WG2543045
GACO0612T149-2CRS 011	L1869427-14	Specific Conductance	1590	umhos/cm		10.0	1	06/23/2025 18:29	WG2543045
GACO0612T149-2CRC 011	L1869427-15	Specific Conductance	1240	umhos/cm		10.0	1	06/23/2025 18:29	WG2543045
GACO0612T149-2CRS 012	L1869427-16	Specific Conductance	912	umhos/cm		10.0	1	06/23/2025 18:29	WG2543045

DETECTION SUMMARY

Wet Chemistry by Method 9050AMod

Client ID	Lab Sample ID	Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
GACO0612T149-2CRS 013	L1869427-18	Specific Conductance	775	umhos/cm		10.0	1	06/23/2025 18:29	WG2543045
GACO0612T149-2CRS 014	L1869427-19	Specific Conductance	849	umhos/cm		10.0	1	06/23/2025 18:29	WG2543045
GACO0612T149-2CRS 015	L1869427-20	Specific Conductance	380	umhos/cm		10.0	1	06/23/2025 18:29	WG2543045
GACO0612T149-2CRS 016	L1869427-21	Specific Conductance	779	umhos/cm		10.0	1	06/23/2025 18:29	WG2543045
GACO0612T149-2CRS 017	L1869427-23	Specific Conductance	4110	umhos/cm		10.0	1	06/21/2025 16:12	WG2542344
GACO0612T149-2CRS 018	L1869427-24	Specific Conductance	2060	umhos/cm		10.0	1	06/25/2025 15:50	WG2546424

Wet Chemistry by Method 9056A

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0612T149-2CRC 011	L1869427-15	Nitrate-Nitrite	102		21.6	1.01	06/14/2025 20:24	WG2538422

Wet Chemistry by Method WALKLEY-BLACK

Client ID	Lab Sample ID	Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
GACO0612T149-2CRS 001	L1869427-01	TOC By Walkley Black	2600		500	5	06/17/2025 18:18	WG2538557
GACO0612T149-2CRS 002	L1869427-02	TOC By Walkley Black	17200		900	9	06/17/2025 18:18	WG2538557
GACO0612T149-2CRS 003	L1869427-03	TOC By Walkley Black	4150		500	5	06/17/2025 18:18	WG2538557
GACO0612T149-2CRS 005	L1869427-05	TOC By Walkley Black	25400		500	5	06/17/2025 18:20	WG2538557
GACO0612T149-2CRS 006	L1869427-06	TOC By Walkley Black	14700		500	5	06/17/2025 18:20	WG2538557
GACO0612T149-2CRC 006	L1869427-07	TOC By Walkley Black	17700		500	5	06/17/2025 18:20	WG2538557
GACO0612T149-2CRS 007	L1869427-08	TOC By Walkley Black	23900		500	5	06/17/2025 19:28	WG2538571
GACO0612T149-2CRS 008	L1869427-10	TOC By Walkley Black	11700		500	5	06/17/2025 18:21	WG2538557
GACO0612T149-2CRS 009	L1869427-11	TOC By Walkley Black	22600		500	5	06/17/2025 18:21	WG2538557
GACO0612T149-2CRS 010	L1869427-13	TOC By Walkley Black	22100		500	5	06/17/2025 19:28	WG2538571
GACO0612T149-2CRS 011	L1869427-14	TOC By Walkley Black	17600		500	5	06/17/2025 18:21	WG2538557
GACO0612T149-2CRC 011	L1869427-15	TOC By Walkley Black	14700		500	5	06/17/2025 18:22	WG2538557
GACO0612T149-2CRS 012	L1869427-16	TOC By Walkley Black	13400		500	5	06/17/2025 18:22	WG2538557
GACO0612T149-2CRS 013	L1869427-18	TOC By Walkley Black	17200		500	5	06/17/2025 18:23	WG2538557
GACO0612T149-2CRS 014	L1869427-19	TOC By Walkley Black	21400		500	5	06/17/2025 18:23	WG2538557
GACO0612T149-2CRS 015	L1869427-20	TOC By Walkley Black	2650		500	5	06/17/2025 18:23	WG2538557
GACO0612T149-2CRS 016	L1869427-21	TOC By Walkley Black	7340		500	5	06/17/2025 18:23	WG2538557
GACO0612T149-2CRS 017	L1869427-23	TOC By Walkley Black	12600		900	9	06/17/2025 19:30	WG2538571
GACO0612T149-2CRS 018	L1869427-24	TOC By Walkley Black	5800		900	9	06/17/2025 18:23	WG2538557

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

DETECTION SUMMARY

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

Client ID	Lab Sample ID	Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
GACO0612T149-2CRS 001	L1869427-01	Hot Water Sol. Boron	0.332		0.200	1	06/19/2025 13:19	WG2540950
GACO0612T149-2CRS 002	L1869427-02	Hot Water Sol. Boron	0.881		0.200	1	06/19/2025 13:21	WG2540950
GACO0612T149-2CRS 005	L1869427-05	Hot Water Sol. Boron	1.60		0.200	1	06/19/2025 13:24	WG2540950
GACO0612T149-2CRS 006	L1869427-06	Hot Water Sol. Boron	1.21		0.200	1	06/19/2025 13:29	WG2540950
GACO0612T149-2CRC 006	L1869427-07	Hot Water Sol. Boron	1.18		0.200	1	06/19/2025 13:31	WG2540950
GACO0612T149-2CRS 007	L1869427-08	Hot Water Sol. Boron	1.59		0.200	1	06/19/2025 13:32	WG2540950
GACO0612T149-2CRS 008	L1869427-10	Hot Water Sol. Boron	0.637		0.200	1	06/19/2025 13:34	WG2540950
GACO0612T149-2CRS 009	L1869427-11	Hot Water Sol. Boron	1.30		0.200	1	06/19/2025 13:36	WG2540950
GACO0612T149-2CRS 010	L1869427-13	Hot Water Sol. Boron	1.57		0.200	1	06/19/2025 13:37	WG2540950
GACO0612T149-2CRS 011	L1869427-14	Hot Water Sol. Boron	1.51		0.200	1	06/19/2025 13:39	WG2540950
GACO0612T149-2CRC 011	L1869427-15	Hot Water Sol. Boron	1.57		0.200	1	06/19/2025 13:41	WG2540950
GACO0612T149-2CRS 012	L1869427-16	Hot Water Sol. Boron	1.25		0.200	1	06/19/2025 13:42	WG2540950
GACO0612T149-2CRS 013	L1869427-18	Hot Water Sol. Boron	1.53		0.200	1	06/19/2025 13:44	WG2540950
GACO0612T149-2CRS 014	L1869427-19	Hot Water Sol. Boron	1.62		0.200	1	06/19/2025 13:49	WG2540950
GACO0612T149-2CRS 015	L1869427-20	Hot Water Sol. Boron	0.481		0.200	1	06/19/2025 13:51	WG2540950
GACO0612T149-2CRS 016	L1869427-21	Hot Water Sol. Boron	0.924		0.200	1	06/19/2025 13:52	WG2540950
GACO0612T149-2CRS 017	L1869427-23	Hot Water Sol. Boron	1.56		0.200	1	06/19/2025 15:58	WG2540952



Metals (ICP) by Method 6010D

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0612T149-2CRS 001	L1869427-01	Aluminum	3270		21.0	1	06/14/2025 13:42	WG2538469
GACO0612T149-2CRS 001	L1869427-01	Beryllium	0.310		0.210	1	06/14/2025 13:42	WG2538469
GACO0612T149-2CRS 001	L1869427-01	Calcium	6990		105	1	06/14/2025 13:42	WG2538469
GACO0612T149-2CRS 001	L1869427-01	Chromium	5.00		1.05	1	06/14/2025 13:42	WG2538469
GACO0612T149-2CRS 001	L1869427-01	Cobalt	2.61		1.05	1	06/14/2025 13:42	WG2538469
GACO0612T149-2CRS 001	L1869427-01	Iron	6130		10.5	1	06/14/2025 13:42	WG2538469
GACO0612T149-2CRS 001	L1869427-01	Magnesium	1820		105	1	06/14/2025 13:42	WG2538469
GACO0612T149-2CRS 001	L1869427-01	Manganese	145		1.05	1	06/14/2025 13:42	WG2538469
GACO0612T149-2CRS 001	L1869427-01	Potassium	1110		105	1	06/14/2025 13:42	WG2538469
GACO0612T149-2CRS 001	L1869427-01	Sodium	163		105	1	06/14/2025 13:42	WG2538469
GACO0612T149-2CRS 001	L1869427-01	Vanadium	9.88		2.10	1	06/14/2025 13:42	WG2538469

DETECTION SUMMARY

Metals (ICP) by Method 6010D

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	¹ Cp
GACO0612T149-2CRS 002	<u>L1869427-02</u>	Aluminum	4060		24.8	1	06/14/2025 13:45	WG2538469	² Tc
GACO0612T149-2CRS 002	<u>L1869427-02</u>	Beryllium	0.417		0.248	1	06/14/2025 13:45	WG2538469	³ Ss
GACO0612T149-2CRS 002	<u>L1869427-02</u>	Calcium	7420		124	1	06/14/2025 13:45	WG2538469	⁴ Cn
GACO0612T149-2CRS 002	<u>L1869427-02</u>	Chromium	4.89		1.24	1	06/14/2025 13:45	WG2538469	⁵ Ds
GACO0612T149-2CRS 002	<u>L1869427-02</u>	Cobalt	2.93		1.24	1	06/14/2025 13:45	WG2538469	⁶ Sr
GACO0612T149-2CRS 002	<u>L1869427-02</u>	Iron	7490		12.4	1	06/14/2025 13:45	WG2538469	⁷ Qc
GACO0612T149-2CRS 002	<u>L1869427-02</u>	Magnesium	2030		124	1	06/14/2025 13:45	WG2538469	⁸ Gl
GACO0612T149-2CRS 002	<u>L1869427-02</u>	Manganese	186		1.24	1	06/14/2025 13:45	WG2538469	⁹ Al
GACO0612T149-2CRS 002	<u>L1869427-02</u>	Potassium	1680		124	1	06/14/2025 13:45	WG2538469	¹⁰ Sc
GACO0612T149-2CRS 002	<u>L1869427-02</u>	Sodium	129		124	1	06/14/2025 13:45	WG2538469	
GACO0612T149-2CRS 002	<u>L1869427-02</u>	Vanadium	13.0		2.48	1	06/14/2025 13:45	WG2538469	
GACO0612T149-2CRS 003	<u>L1869427-03</u>	Aluminum	4790		24.2	1	06/14/2025 13:48	WG2538469	
GACO0612T149-2CRS 003	<u>L1869427-03</u>	Beryllium	0.466		0.242	1	06/14/2025 13:48	WG2538469	
GACO0612T149-2CRS 003	<u>L1869427-03</u>	Calcium	8430		121	1	06/14/2025 13:48	WG2538469	
GACO0612T149-2CRS 003	<u>L1869427-03</u>	Chromium	6.75		1.21	1	06/14/2025 13:48	WG2538469	
GACO0612T149-2CRS 003	<u>L1869427-03</u>	Cobalt	3.64		1.21	1	06/14/2025 13:48	WG2538469	
GACO0612T149-2CRS 003	<u>L1869427-03</u>	Iron	9290		12.1	1	06/14/2025 13:48	WG2538469	
GACO0612T149-2CRS 003	<u>L1869427-03</u>	Magnesium	2180		121	1	06/14/2025 13:48	WG2538469	
GACO0612T149-2CRS 003	<u>L1869427-03</u>	Manganese	231		1.21	1	06/14/2025 13:48	WG2538469	
GACO0612T149-2CRS 003	<u>L1869427-03</u>	Potassium	1360		121	1	06/14/2025 13:48	WG2538469	
GACO0612T149-2CRS 003	<u>L1869427-03</u>	Vanadium	14.5		2.42	1	06/14/2025 13:48	WG2538469	
GACO0612T149-2CRS 005	<u>L1869427-05</u>	Aluminum	5860		21.1	1	06/14/2025 13:56	WG2538469	
GACO0612T149-2CRS 005	<u>L1869427-05</u>	Beryllium	0.640		0.211	1	06/14/2025 13:56	WG2538469	
GACO0612T149-2CRS 005	<u>L1869427-05</u>	Calcium	6680		106	1	06/14/2025 13:56	WG2538469	
GACO0612T149-2CRS 005	<u>L1869427-05</u>	Chromium	6.90		1.06	1	06/14/2025 13:56	WG2538469	
GACO0612T149-2CRS 005	<u>L1869427-05</u>	Cobalt	5.31		1.06	1	06/14/2025 13:56	WG2538469	
GACO0612T149-2CRS 005	<u>L1869427-05</u>	Iron	12100		10.6	1	06/14/2025 13:56	WG2538469	
GACO0612T149-2CRS 005	<u>L1869427-05</u>	Magnesium	3170		106	1	06/14/2025 13:56	WG2538469	
GACO0612T149-2CRS 005	<u>L1869427-05</u>	Manganese	398		1.06	1	06/14/2025 13:56	WG2538469	
GACO0612T149-2CRS 005	<u>L1869427-05</u>	Potassium	3310		106	1	06/14/2025 13:56	WG2538469	
GACO0612T149-2CRS 005	<u>L1869427-05</u>	Sodium	230		106	1	06/14/2025 13:56	WG2538469	
GACO0612T149-2CRS 005	<u>L1869427-05</u>	Vanadium	25.4		2.11	1	06/14/2025 13:56	WG2538469	

DETECTION SUMMARY

Metals (ICP) by Method 6010D

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	1 Cp
GACO0612T149-2CRS 006	L1869427-06	Aluminum	4060		20.8	1	06/14/2025 13:59	WG2538469	2 Tc
GACO0612T149-2CRS 006	L1869427-06	Beryllium	0.506		0.208	1	06/14/2025 13:59	WG2538469	3 Ss
GACO0612T149-2CRS 006	L1869427-06	Calcium	4950		104	1	06/14/2025 13:59	WG2538469	4 Cn
GACO0612T149-2CRS 006	L1869427-06	Chromium	5.46		1.04	1	06/14/2025 13:59	WG2538469	5 Ds
GACO0612T149-2CRS 006	L1869427-06	Cobalt	3.62		1.04	1	06/14/2025 13:59	WG2538469	6 Sr
GACO0612T149-2CRS 006	L1869427-06	Iron	10900		10.4	1	06/14/2025 13:59	WG2538469	7 Qc
GACO0612T149-2CRS 006	L1869427-06	Magnesium	2080		104	1	06/14/2025 13:59	WG2538469	8 Gl
GACO0612T149-2CRS 006	L1869427-06	Manganese	420		1.04	1	06/14/2025 13:59	WG2538469	9 Al
GACO0612T149-2CRS 006	L1869427-06	Potassium	2410		104	1	06/14/2025 13:59	WG2538469	10 Sc
GACO0612T149-2CRS 006	L1869427-06	Sodium	108		104	1	06/14/2025 13:59	WG2538469	
GACO0612T149-2CRS 006	L1869427-06	Vanadium	17.0		2.08	1	06/14/2025 13:59	WG2538469	
GACO0612T149-2CRC 006	L1869427-07	Aluminum	4760		20.8	1	06/14/2025 14:02	WG2538469	
GACO0612T149-2CRC 006	L1869427-07	Beryllium	0.443		0.208	1	06/14/2025 14:02	WG2538469	
GACO0612T149-2CRC 006	L1869427-07	Calcium	6010		104	1	06/14/2025 14:02	WG2538469	
GACO0612T149-2CRC 006	L1869427-07	Chromium	5.96		1.04	1	06/14/2025 14:02	WG2538469	
GACO0612T149-2CRC 006	L1869427-07	Cobalt	3.59		1.04	1	06/14/2025 14:02	WG2538469	
GACO0612T149-2CRC 006	L1869427-07	Iron	8520		10.4	1	06/14/2025 14:02	WG2538469	
GACO0612T149-2CRC 006	L1869427-07	Magnesium	2340		104	1	06/14/2025 14:02	WG2538469	
GACO0612T149-2CRC 006	L1869427-07	Manganese	235		1.04	1	06/14/2025 14:02	WG2538469	
GACO0612T149-2CRC 006	L1869427-07	Potassium	2690		104	1	06/14/2025 14:02	WG2538469	
GACO0612T149-2CRC 006	L1869427-07	Sodium	133		104	1	06/14/2025 14:02	WG2538469	
GACO0612T149-2CRC 006	L1869427-07	Vanadium	13.9		2.08	1	06/14/2025 14:02	WG2538469	
GACO0612T149-2CRS 007	L1869427-08	Aluminum	6080		20.9	1	06/14/2025 14:05	WG2538469	
GACO0612T149-2CRS 007	L1869427-08	Beryllium	0.570		0.209	1	06/14/2025 14:05	WG2538469	
GACO0612T149-2CRS 007	L1869427-08	Calcium	8270		104	1	06/14/2025 14:05	WG2538469	
GACO0612T149-2CRS 007	L1869427-08	Chromium	6.93		1.04	1	06/14/2025 14:05	WG2538469	
GACO0612T149-2CRS 007	L1869427-08	Cobalt	4.11		1.04	1	06/14/2025 14:05	WG2538469	
GACO0612T149-2CRS 007	L1869427-08	Iron	10300		10.4	1	06/14/2025 14:05	WG2538469	
GACO0612T149-2CRS 007	L1869427-08	Magnesium	3260		104	1	06/14/2025 14:05	WG2538469	
GACO0612T149-2CRS 007	L1869427-08	Manganese	270		1.04	1	06/14/2025 14:05	WG2538469	
GACO0612T149-2CRS 007	L1869427-08	Potassium	3360		104	1	06/14/2025 14:05	WG2538469	
GACO0612T149-2CRS 007	L1869427-08	Sodium	188		104	1	06/14/2025 14:05	WG2538469	
GACO0612T149-2CRS 007	L1869427-08	Vanadium	16.8		2.09	1	06/14/2025 14:05	WG2538469	

DETECTION SUMMARY

Metals (ICP) by Method 6010D

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0612T149-2CRS 008	L1869427-10	Aluminum	6430	J3 V	25.4	1	06/14/2025 13:29	WG2538469
GACO0612T149-2CRS 008	L1869427-10	Beryllium	0.609		0.254	1	06/14/2025 13:29	WG2538469
GACO0612T149-2CRS 008	L1869427-10	Calcium	8940	V	127	1	06/14/2025 13:29	WG2538469
GACO0612T149-2CRS 008	L1869427-10	Chromium	6.40		1.27	1	06/14/2025 13:29	WG2538469
GACO0612T149-2CRS 008	L1869427-10	Cobalt	4.14		1.27	1	06/14/2025 13:29	WG2538469
GACO0612T149-2CRS 008	L1869427-10	Iron	8110	O1 V	12.7	1	06/14/2025 13:29	WG2538469
GACO0612T149-2CRS 008	L1869427-10	Magnesium	2760		127	1	06/14/2025 13:29	WG2538469
GACO0612T149-2CRS 008	L1869427-10	Manganese	252		1.27	1	06/14/2025 13:29	WG2538469
GACO0612T149-2CRS 008	L1869427-10	Potassium	3390	J6	127	1	06/14/2025 13:29	WG2538469
GACO0612T149-2CRS 008	L1869427-10	Sodium	659		127	1	06/14/2025 13:29	WG2538469
GACO0612T149-2CRS 008	L1869427-10	Vanadium	15.5		2.54	1	06/14/2025 13:29	WG2538469
GACO0612T149-2CRS 009	L1869427-11	Aluminum	5390		28.6	1	06/14/2025 14:07	WG2538469
GACO0612T149-2CRS 009	L1869427-11	Beryllium	0.557		0.286	1	06/14/2025 14:07	WG2538469
GACO0612T149-2CRS 009	L1869427-11	Calcium	5690		143	1	06/14/2025 14:07	WG2538469
GACO0612T149-2CRS 009	L1869427-11	Chromium	6.51		1.43	1	06/14/2025 14:07	WG2538469
GACO0612T149-2CRS 009	L1869427-11	Cobalt	4.23		1.43	1	06/14/2025 14:07	WG2538469
GACO0612T149-2CRS 009	L1869427-11	Iron	9670		14.3	1	06/14/2025 14:07	WG2538469
GACO0612T149-2CRS 009	L1869427-11	Magnesium	2590		143	1	06/14/2025 14:07	WG2538469
GACO0612T149-2CRS 009	L1869427-11	Manganese	317		1.43	1	06/14/2025 14:07	WG2538469
GACO0612T149-2CRS 009	L1869427-11	Potassium	2470		143	1	06/14/2025 14:07	WG2538469
GACO0612T149-2CRS 009	L1869427-11	Sodium	151		143	1	06/14/2025 14:07	WG2538469
GACO0612T149-2CRS 009	L1869427-11	Vanadium	15.1		2.86	1	06/14/2025 14:07	WG2538469
GACO0612T149-2CRS 010	L1869427-13	Aluminum	6360		21.1	1	06/14/2025 14:10	WG2538469
GACO0612T149-2CRS 010	L1869427-13	Beryllium	0.562		0.211	1	06/14/2025 14:10	WG2538469
GACO0612T149-2CRS 010	L1869427-13	Calcium	8770		106	1	06/14/2025 14:10	WG2538469
GACO0612T149-2CRS 010	L1869427-13	Chromium	6.95		1.06	1	06/14/2025 14:10	WG2538469
GACO0612T149-2CRS 010	L1869427-13	Cobalt	4.07		1.06	1	06/14/2025 14:10	WG2538469
GACO0612T149-2CRS 010	L1869427-13	Iron	9840		10.6	1	06/14/2025 14:10	WG2538469
GACO0612T149-2CRS 010	L1869427-13	Magnesium	3480		106	1	06/14/2025 14:10	WG2538469
GACO0612T149-2CRS 010	L1869427-13	Manganese	251		1.06	1	06/14/2025 14:10	WG2538469
GACO0612T149-2CRS 010	L1869427-13	Potassium	3250		106	1	06/14/2025 14:10	WG2538469
GACO0612T149-2CRS 010	L1869427-13	Sodium	187		106	1	06/14/2025 14:10	WG2538469
GACO0612T149-2CRS 010	L1869427-13	Vanadium	16.1		2.11	1	06/14/2025 14:10	WG2538469

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

DETECTION SUMMARY

Metals (ICP) by Method 6010D

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0612T149-2CRS 011	L1869427-14	Aluminum	3060		30.9	1	06/14/2025 14:13	WG2538469
GACO0612T149-2CRS 011	L1869427-14	Beryllium	0.403		0.309	1	06/14/2025 14:13	WG2538469
GACO0612T149-2CRS 011	L1869427-14	Calcium	6230		155	1	06/14/2025 14:13	WG2538469
GACO0612T149-2CRS 011	L1869427-14	Chromium	3.68		1.55	1	06/14/2025 14:13	WG2538469
GACO0612T149-2CRS 011	L1869427-14	Cobalt	3.19		1.55	1	06/14/2025 14:13	WG2538469
GACO0612T149-2CRS 011	L1869427-14	Iron	5110		15.5	1	06/14/2025 14:13	WG2538469
GACO0612T149-2CRS 011	L1869427-14	Magnesium	1980		155	1	06/14/2025 14:13	WG2538469
GACO0612T149-2CRS 011	L1869427-14	Manganese	245		1.55	1	06/14/2025 14:13	WG2538469
GACO0612T149-2CRS 011	L1869427-14	Potassium	2270		155	1	06/14/2025 14:13	WG2538469
GACO0612T149-2CRS 011	L1869427-14	Sodium	188		155	1	06/14/2025 14:13	WG2538469
GACO0612T149-2CRS 011	L1869427-14	Vanadium	10.4		3.09	1	06/14/2025 14:13	WG2538469
GACO0612T149-2CRC 011	L1869427-15	Aluminum	4520		21.4	1	06/14/2025 14:16	WG2538469
GACO0612T149-2CRC 011	L1869427-15	Beryllium	0.512		0.214	1	06/14/2025 14:16	WG2538469
GACO0612T149-2CRC 011	L1869427-15	Calcium	5980		107	1	06/14/2025 14:16	WG2538469
GACO0612T149-2CRC 011	L1869427-15	Chromium	5.71		1.07	1	06/14/2025 14:16	WG2538469
GACO0612T149-2CRC 011	L1869427-15	Cobalt	3.74		1.07	1	06/14/2025 14:16	WG2538469
GACO0612T149-2CRC 011	L1869427-15	Iron	9440		10.7	1	06/14/2025 14:16	WG2538469
GACO0612T149-2CRC 011	L1869427-15	Magnesium	2530		107	1	06/14/2025 14:16	WG2538469
GACO0612T149-2CRC 011	L1869427-15	Manganese	276		1.07	1	06/14/2025 14:16	WG2538469
GACO0612T149-2CRC 011	L1869427-15	Potassium	2790		107	1	06/14/2025 14:16	WG2538469
GACO0612T149-2CRC 011	L1869427-15	Sodium	205		107	1	06/14/2025 14:16	WG2538469
GACO0612T149-2CRC 011	L1869427-15	Vanadium	15.2		2.14	1	06/14/2025 14:16	WG2538469
GACO0612T149-2CRS 012	L1869427-16	Aluminum	4600		26.3	1	06/14/2025 14:18	WG2538469
GACO0612T149-2CRS 012	L1869427-16	Beryllium	0.565		0.263	1	06/14/2025 14:18	WG2538469
GACO0612T149-2CRS 012	L1869427-16	Calcium	5950		132	1	06/14/2025 14:18	WG2538469
GACO0612T149-2CRS 012	L1869427-16	Chromium	6.22		1.32	1	06/14/2025 14:18	WG2538469
GACO0612T149-2CRS 012	L1869427-16	Cobalt	3.95		1.32	1	06/14/2025 14:18	WG2538469
GACO0612T149-2CRS 012	L1869427-16	Iron	10300		13.2	1	06/14/2025 14:18	WG2538469
GACO0612T149-2CRS 012	L1869427-16	Magnesium	2480		132	1	06/14/2025 14:18	WG2538469
GACO0612T149-2CRS 012	L1869427-16	Manganese	278		1.32	1	06/14/2025 14:18	WG2538469
GACO0612T149-2CRS 012	L1869427-16	Potassium	2890		132	1	06/14/2025 14:18	WG2538469
GACO0612T149-2CRS 012	L1869427-16	Sodium	149		132	1	06/14/2025 14:18	WG2538469
GACO0612T149-2CRS 012	L1869427-16	Vanadium	19.1		2.63	1	06/14/2025 14:18	WG2538469

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

DETECTION SUMMARY

Metals (ICP) by Method 6010D

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	¹ Cp
GACO0612T149-2CRS 013	L1869427-18	Aluminum	5380		24.0	1	06/14/2025 14:21	WG2538469	² Tc
GACO0612T149-2CRS 013	L1869427-18	Beryllium	0.686		0.240	1	06/14/2025 14:21	WG2538469	³ Ss
GACO0612T149-2CRS 013	L1869427-18	Calcium	7240		120	1	06/14/2025 14:21	WG2538469	⁴ Cn
GACO0612T149-2CRS 013	L1869427-18	Chromium	6.35		1.20	1	06/14/2025 14:21	WG2538469	⁵ Ds
GACO0612T149-2CRS 013	L1869427-18	Cobalt	4.53		1.20	1	06/14/2025 14:21	WG2538469	⁶ Sr
GACO0612T149-2CRS 013	L1869427-18	Iron	12700		12.0	1	06/14/2025 14:21	WG2538469	⁷ Qc
GACO0612T149-2CRS 013	L1869427-18	Magnesium	2890		120	1	06/14/2025 14:21	WG2538469	⁸ Gl
GACO0612T149-2CRS 013	L1869427-18	Manganese	458		1.20	1	06/14/2025 14:21	WG2538469	⁹ Al
GACO0612T149-2CRS 013	L1869427-18	Potassium	2990		120	1	06/14/2025 14:21	WG2538469	¹⁰ Sc
GACO0612T149-2CRS 013	L1869427-18	Sodium	164		120	1	06/14/2025 14:21	WG2538469	
GACO0612T149-2CRS 013	L1869427-18	Vanadium	21.6		2.40	1	06/14/2025 14:21	WG2538469	
GACO0612T149-2CRS 014	L1869427-19	Aluminum	5190		21.2	1	06/14/2025 14:30	WG2538469	
GACO0612T149-2CRS 014	L1869427-19	Beryllium	0.567		0.212	1	06/14/2025 14:30	WG2538469	
GACO0612T149-2CRS 014	L1869427-19	Calcium	7050		106	1	06/14/2025 14:30	WG2538469	
GACO0612T149-2CRS 014	L1869427-19	Chromium	6.50		1.06	1	06/14/2025 14:30	WG2538469	
GACO0612T149-2CRS 014	L1869427-19	Cobalt	4.10		1.06	1	06/14/2025 14:30	WG2538469	
GACO0612T149-2CRS 014	L1869427-19	Iron	9160		10.6	1	06/14/2025 14:30	WG2538469	
GACO0612T149-2CRS 014	L1869427-19	Magnesium	2970		106	1	06/14/2025 14:30	WG2538469	
GACO0612T149-2CRS 014	L1869427-19	Manganese	287		1.06	1	06/14/2025 14:30	WG2538469	
GACO0612T149-2CRS 014	L1869427-19	Potassium	3090		106	1	06/14/2025 14:30	WG2538469	
GACO0612T149-2CRS 014	L1869427-19	Sodium	132		106	1	06/14/2025 14:30	WG2538469	
GACO0612T149-2CRS 014	L1869427-19	Vanadium	14.4		2.12	1	06/14/2025 14:30	WG2538469	
GACO0612T149-2CRS 015	L1869427-20	Aluminum	3530		20.6	1	06/14/2025 14:32	WG2538469	
GACO0612T149-2CRS 015	L1869427-20	Beryllium	0.301		0.206	1	06/14/2025 14:32	WG2538469	
GACO0612T149-2CRS 015	L1869427-20	Calcium	6550		103	1	06/14/2025 14:32	WG2538469	
GACO0612T149-2CRS 015	L1869427-20	Chromium	5.55		1.03	1	06/14/2025 14:32	WG2538469	
GACO0612T149-2CRS 015	L1869427-20	Cobalt	2.80		1.03	1	06/14/2025 14:32	WG2538469	
GACO0612T149-2CRS 015	L1869427-20	Iron	6570		10.3	1	06/14/2025 14:32	WG2538469	
GACO0612T149-2CRS 015	L1869427-20	Magnesium	1910		103	1	06/14/2025 14:32	WG2538469	
GACO0612T149-2CRS 015	L1869427-20	Manganese	156		1.03	1	06/14/2025 14:32	WG2538469	
GACO0612T149-2CRS 015	L1869427-20	Potassium	1320		103	1	06/14/2025 14:32	WG2538469	
GACO0612T149-2CRS 015	L1869427-20	Vanadium	10.6		2.06	1	06/14/2025 14:32	WG2538469	

DETECTION SUMMARY

Metals (ICP) by Method 6010D

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0612T149-2CRS 016	L1869427-21	Aluminum	5770		23.5	1	06/14/2025 14:35	WG2538469
GACO0612T149-2CRS 016	L1869427-21	Beryllium	0.935		0.235	1	06/14/2025 14:35	WG2538469
GACO0612T149-2CRS 016	L1869427-21	Calcium	5440		118	1	06/14/2025 14:35	WG2538469
GACO0612T149-2CRS 016	L1869427-21	Chromium	6.88		1.18	1	06/14/2025 14:35	WG2538469
GACO0612T149-2CRS 016	L1869427-21	Cobalt	4.61		1.18	1	06/14/2025 14:35	WG2538469
GACO0612T149-2CRS 016	L1869427-21	Iron	9410		11.8	1	06/14/2025 14:35	WG2538469
GACO0612T149-2CRS 016	L1869427-21	Magnesium	2460		118	1	06/14/2025 14:35	WG2538469
GACO0612T149-2CRS 016	L1869427-21	Manganese	253		1.18	1	06/14/2025 14:35	WG2538469
GACO0612T149-2CRS 016	L1869427-21	Potassium	2840		118	1	06/14/2025 14:35	WG2538469
GACO0612T149-2CRS 016	L1869427-21	Sodium	169		118	1	06/14/2025 14:35	WG2538469
GACO0612T149-2CRS 016	L1869427-21	Vanadium	16.6		2.35	1	06/14/2025 14:35	WG2538469
GACO0612T149-2CRS 017	L1869427-23	Aluminum	4840		21.0	1	06/14/2025 14:38	WG2538469
GACO0612T149-2CRS 017	L1869427-23	Beryllium	0.475		0.210	1	06/14/2025 14:38	WG2538469
GACO0612T149-2CRS 017	L1869427-23	Calcium	10300		105	1	06/14/2025 14:38	WG2538469
GACO0612T149-2CRS 017	L1869427-23	Chromium	5.47		1.05	1	06/14/2025 14:38	WG2538469
GACO0612T149-2CRS 017	L1869427-23	Cobalt	3.62		1.05	1	06/14/2025 14:38	WG2538469
GACO0612T149-2CRS 017	L1869427-23	Iron	6940		10.5	1	06/14/2025 14:38	WG2538469
GACO0612T149-2CRS 017	L1869427-23	Magnesium	2620		105	1	06/14/2025 14:38	WG2538469
GACO0612T149-2CRS 017	L1869427-23	Manganese	213		1.05	1	06/14/2025 14:38	WG2538469
GACO0612T149-2CRS 017	L1869427-23	Potassium	3460		105	1	06/14/2025 14:38	WG2538469
GACO0612T149-2CRS 017	L1869427-23	Sodium	517		105	1	06/14/2025 14:38	WG2538469
GACO0612T149-2CRS 017	L1869427-23	Vanadium	13.7		2.10	1	06/14/2025 14:38	WG2538469
GACO0612T149-2CRS 018	L1869427-24	Aluminum	4160		24.8	1	06/14/2025 14:40	WG2538469
GACO0612T149-2CRS 018	L1869427-24	Beryllium	0.436		0.248	1	06/14/2025 14:40	WG2538469
GACO0612T149-2CRS 018	L1869427-24	Calcium	5710		124	1	06/14/2025 14:40	WG2538469
GACO0612T149-2CRS 018	L1869427-24	Chromium	4.97		1.24	1	06/14/2025 14:40	WG2538469
GACO0612T149-2CRS 018	L1869427-24	Cobalt	3.20		1.24	1	06/14/2025 14:40	WG2538469
GACO0612T149-2CRS 018	L1869427-24	Iron	6510		12.4	1	06/14/2025 14:40	WG2538469
GACO0612T149-2CRS 018	L1869427-24	Magnesium	1890		124	1	06/14/2025 14:40	WG2538469
GACO0612T149-2CRS 018	L1869427-24	Manganese	173		1.24	1	06/14/2025 14:40	WG2538469
GACO0612T149-2CRS 018	L1869427-24	Potassium	1940		124	1	06/14/2025 14:40	WG2538469
GACO0612T149-2CRS 018	L1869427-24	Sodium	196		124	1	06/14/2025 14:40	WG2538469
GACO0612T149-2CRS 018	L1869427-24	Vanadium	12.7		2.48	1	06/14/2025 14:40	WG2538469

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

DETECTION SUMMARY

Metals (ICPMS) by Method 6020B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0612T149-2CRS 001	L1869427-01	Arsenic	2.07		0.105	5	06/16/2025 03:35	WG2538477
GACO0612T149-2CRS 001	L1869427-01	Barium	87.0		10.5	5	06/16/2025 03:35	WG2538477
GACO0612T149-2CRS 001	L1869427-01	Cadmium	0.119		0.105	5	06/16/2025 03:35	WG2538477
GACO0612T149-2CRS 001	L1869427-01	Selenium	0.262		0.105	5	06/16/2025 03:35	WG2538477
GACO0612T149-2CRS 002	L1869427-02	Arsenic	2.96		0.124	5	06/16/2025 03:38	WG2538477
GACO0612T149-2CRS 002	L1869427-02	Barium	61.9		12.4	5	06/16/2025 03:38	WG2538477
GACO0612T149-2CRS 002	L1869427-02	Cadmium	0.166		0.124	5	06/16/2025 03:38	WG2538477
GACO0612T149-2CRS 002	L1869427-02	Copper	35.6		12.4	5	06/16/2025 03:38	WG2538477
GACO0612T149-2CRS 002	L1869427-02	Selenium	0.316		0.124	5	06/16/2025 03:38	WG2538477
GACO0612T149-2CRS 003	L1869427-03	Arsenic	3.11		0.121	5	06/16/2025 03:41	WG2538477
GACO0612T149-2CRS 003	L1869427-03	Barium	85.6		12.1	5	06/16/2025 03:41	WG2538477
GACO0612T149-2CRS 003	L1869427-03	Cadmium	0.166		0.121	5	06/16/2025 03:41	WG2538477
GACO0612T149-2CRS 003	L1869427-03	Selenium	0.365		0.121	5	06/16/2025 03:41	WG2538477
GACO0612T149-2CRS 005	L1869427-05	Arsenic	5.86		0.106	5	06/16/2025 03:51	WG2538477
GACO0612T149-2CRS 005	L1869427-05	Barium	97.3		10.6	5	06/16/2025 03:51	WG2538477
GACO0612T149-2CRS 005	L1869427-05	Cadmium	0.364		0.106	5	06/16/2025 03:51	WG2538477
GACO0612T149-2CRS 005	L1869427-05	Copper	66.8		10.6	5	06/16/2025 03:51	WG2538477
GACO0612T149-2CRS 005	L1869427-05	Selenium	0.489		0.106	5	06/16/2025 03:51	WG2538477
GACO0612T149-2CRS 005	L1869427-05	Zinc	61.5		52.8	5	06/16/2025 03:51	WG2538477
GACO0612T149-2CRS 006	L1869427-06	Arsenic	3.06		0.104	5	06/16/2025 03:54	WG2538477
GACO0612T149-2CRS 006	L1869427-06	Barium	85.0		10.4	5	06/16/2025 03:54	WG2538477
GACO0612T149-2CRS 006	L1869427-06	Cadmium	0.331		0.104	5	06/16/2025 03:54	WG2538477
GACO0612T149-2CRS 006	L1869427-06	Copper	33.4		10.4	5	06/16/2025 03:54	WG2538477
GACO0612T149-2CRS 006	L1869427-06	Selenium	0.366		0.104	5	06/16/2025 03:54	WG2538477
GACO0612T149-2CRC 006	L1869427-07	Arsenic	2.95		0.104	5	06/16/2025 03:57	WG2538477
GACO0612T149-2CRC 006	L1869427-07	Barium	71.4		10.4	5	06/16/2025 03:57	WG2538477
GACO0612T149-2CRC 006	L1869427-07	Cadmium	0.207		0.104	5	06/16/2025 03:57	WG2538477
GACO0612T149-2CRC 006	L1869427-07	Copper	30.5		10.4	5	06/16/2025 03:57	WG2538477
GACO0612T149-2CRC 006	L1869427-07	Nickel	10.4		10.4	5	06/16/2025 03:57	WG2538477
GACO0612T149-2CRC 006	L1869427-07	Selenium	0.337		0.104	5	06/16/2025 03:57	WG2538477



DETECTION SUMMARY

Metals (ICPMS) by Method 6020B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0612T149-2CRS 007	L1869427-08	Arsenic	3.45		0.104	5	06/16/2025 04:00	WG2538477
GACO0612T149-2CRS 007	L1869427-08	Barium	77.4		10.4	5	06/16/2025 04:00	WG2538477
GACO0612T149-2CRS 007	L1869427-08	Cadmium	0.266		0.104	5	06/16/2025 04:00	WG2538477
GACO0612T149-2CRS 007	L1869427-08	Copper	29.0		10.4	5	06/16/2025 04:00	WG2538477
GACO0612T149-2CRS 007	L1869427-08	Selenium	0.406		0.104	5	06/16/2025 04:00	WG2538477
GACO0612T149-2CRS 008	L1869427-10	Arsenic	2.95		0.127	5	06/16/2025 03:20	WG2538477
GACO0612T149-2CRS 008	L1869427-10	Barium	116		12.7	5	06/16/2025 03:20	WG2538477
GACO0612T149-2CRS 008	L1869427-10	Cadmium	0.201		0.127	5	06/16/2025 03:20	WG2538477
GACO0612T149-2CRS 008	L1869427-10	Selenium	0.450		0.127	5	06/16/2025 03:20	WG2538477
GACO0612T149-2CRS 009	L1869427-11	Arsenic	3.36		0.143	5	06/16/2025 04:03	WG2538477
GACO0612T149-2CRS 009	L1869427-11	Barium	80.6		14.3	5	06/16/2025 04:03	WG2538477
GACO0612T149-2CRS 009	L1869427-11	Cadmium	0.288		0.143	5	06/16/2025 04:03	WG2538477
GACO0612T149-2CRS 009	L1869427-11	Copper	60.6		14.3	5	06/16/2025 04:03	WG2538477
GACO0612T149-2CRS 009	L1869427-11	Selenium	0.441		0.143	5	06/16/2025 04:03	WG2538477
GACO0612T149-2CRS 010	L1869427-13	Arsenic	3.64		0.106	5	06/16/2025 04:07	WG2538477
GACO0612T149-2CRS 010	L1869427-13	Barium	83.1		10.6	5	06/16/2025 04:07	WG2538477
GACO0612T149-2CRS 010	L1869427-13	Cadmium	0.258		0.106	5	06/16/2025 04:07	WG2538477
GACO0612T149-2CRS 010	L1869427-13	Copper	36.3		10.6	5	06/16/2025 04:07	WG2538477
GACO0612T149-2CRS 010	L1869427-13	Selenium	0.459		0.106	5	06/16/2025 04:07	WG2538477
GACO0612T149-2CRS 011	L1869427-14	Arsenic	2.23		0.155	5	06/16/2025 04:10	WG2538477
GACO0612T149-2CRS 011	L1869427-14	Barium	63.9		15.5	5	06/16/2025 04:10	WG2538477
GACO0612T149-2CRS 011	L1869427-14	Cadmium	0.252		0.155	5	06/16/2025 04:10	WG2538477
GACO0612T149-2CRS 011	L1869427-14	Copper	27.9		15.5	5	06/16/2025 04:10	WG2538477
GACO0612T149-2CRS 011	L1869427-14	Selenium	0.300		0.155	5	06/16/2025 04:10	WG2538477
GACO0612T149-2CRC 011	L1869427-15	Arsenic	3.27		0.107	5	06/16/2025 04:13	WG2538477
GACO0612T149-2CRC 011	L1869427-15	Barium	75.6		10.7	5	06/16/2025 04:13	WG2538477
GACO0612T149-2CRC 011	L1869427-15	Cadmium	0.267		0.107	5	06/16/2025 04:13	WG2538477
GACO0612T149-2CRC 011	L1869427-15	Copper	31.3		10.7	5	06/16/2025 04:13	WG2538477
GACO0612T149-2CRC 011	L1869427-15	Selenium	0.415		0.107	5	06/16/2025 04:13	WG2538477
GACO0612T149-2CRS 012	L1869427-16	Arsenic	3.58		0.132	5	06/16/2025 04:16	WG2538477
GACO0612T149-2CRS 012	L1869427-16	Barium	81.6		13.2	5	06/16/2025 04:16	WG2538477
GACO0612T149-2CRS 012	L1869427-16	Cadmium	0.304		0.132	5	06/16/2025 04:16	WG2538477
GACO0612T149-2CRS 012	L1869427-16	Copper	29.1		13.2	5	06/16/2025 04:16	WG2538477
GACO0612T149-2CRS 012	L1869427-16	Selenium	0.350		0.132	5	06/16/2025 04:16	WG2538477

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

DETECTION SUMMARY

Metals (ICPMS) by Method 6020B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0612T149-2CRS 013	L1869427-18	Arsenic	4.66		0.120	5	06/16/2025 04:19	WG2538477
GACO0612T149-2CRS 013	L1869427-18	Barium	90.2		12.0	5	06/16/2025 04:19	WG2538477
GACO0612T149-2CRS 013	L1869427-18	Cadmium	0.410		0.120	5	06/16/2025 04:19	WG2538477
GACO0612T149-2CRS 013	L1869427-18	Copper	37.2		12.0	5	06/16/2025 04:19	WG2538477
GACO0612T149-2CRS 013	L1869427-18	Selenium	0.556		0.120	5	06/16/2025 04:19	WG2538477
GACO0612T149-2CRS 014	L1869427-19	Arsenic	3.06		0.106	5	06/16/2025 04:28	WG2538477
GACO0612T149-2CRS 014	L1869427-19	Barium	81.2		10.6	5	06/16/2025 04:28	WG2538477
GACO0612T149-2CRS 014	L1869427-19	Cadmium	0.301		0.106	5	06/16/2025 04:28	WG2538477
GACO0612T149-2CRS 014	L1869427-19	Copper	49.2		10.6	5	06/16/2025 04:28	WG2538477
GACO0612T149-2CRS 014	L1869427-19	Selenium	0.401		0.106	5	06/16/2025 04:28	WG2538477
GACO0612T149-2CRS 014	L1869427-19	Zinc	55.3		52.9	5	06/16/2025 04:28	WG2538477
GACO0612T149-2CRS 015	L1869427-20	Arsenic	2.10		0.103	5	06/16/2025 04:32	WG2538477
GACO0612T149-2CRS 015	L1869427-20	Barium	101		10.3	5	06/16/2025 04:32	WG2538477
GACO0612T149-2CRS 015	L1869427-20	Cadmium	0.106		0.103	5	06/16/2025 04:32	WG2538477
GACO0612T149-2CRS 015	L1869427-20	Selenium	0.284		0.103	5	06/16/2025 04:32	WG2538477
GACO0612T149-2CRS 016	L1869427-21	Arsenic	4.14		0.118	5	06/16/2025 04:35	WG2538477
GACO0612T149-2CRS 016	L1869427-21	Barium	81.3		11.8	5	06/16/2025 04:35	WG2538477
GACO0612T149-2CRS 016	L1869427-21	Cadmium	0.592		0.118	5	06/16/2025 04:35	WG2538477
GACO0612T149-2CRS 016	L1869427-21	Copper	17.3		11.8	5	06/16/2025 04:35	WG2538477
GACO0612T149-2CRS 016	L1869427-21	Selenium	0.719		0.118	5	06/16/2025 04:35	WG2538477
GACO0612T149-2CRS 017	L1869427-23	Arsenic	2.85		0.105	5	06/16/2025 04:38	WG2538477
GACO0612T149-2CRS 017	L1869427-23	Barium	97.8		10.5	5	06/16/2025 04:38	WG2538477
GACO0612T149-2CRS 017	L1869427-23	Cadmium	0.175		0.105	5	06/16/2025 04:38	WG2538477
GACO0612T149-2CRS 017	L1869427-23	Copper	12.6		10.5	5	06/16/2025 04:38	WG2538477
GACO0612T149-2CRS 017	L1869427-23	Selenium	0.418		0.105	5	06/16/2025 04:38	WG2538477
GACO0612T149-2CRS 018	L1869427-24	Arsenic	2.99		0.124	5	06/16/2025 04:41	WG2538477
GACO0612T149-2CRS 018	L1869427-24	Barium	81.2		12.4	5	06/16/2025 04:41	WG2538477
GACO0612T149-2CRS 018	L1869427-24	Cadmium	0.171		0.124	5	06/16/2025 04:41	WG2538477
GACO0612T149-2CRS 018	L1869427-24	Selenium	0.305		0.124	5	06/16/2025 04:41	WG2538477

1

Cp

2

Tc

3

Ss

4

Cn

5

Ds

6

Sr

7

Qc

8

Gl

9

Al

10

Sc

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

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0612T149-2CRS 001	L1869427-01	C28-C36 Motor Oil Range	17.3		8.39	2	06/17/2025 12:11	WG2538491
GACO0612T149-2CRS 002	L1869427-02	C28-C36 Motor Oil Range	65.8		24.8	5	06/17/2025 12:24	WG2538491

DETECTION SUMMARY

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

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0612T149-2CRS 003	L1869427-03	C28-C36 Motor Oil Range	16.2		4.84	1	06/17/2025 13:04	WG2538491
GACO0612T149-2CRS 005	L1869427-05	C28-C36 Motor Oil Range	159		21.1	5	06/17/2025 03:06	WG2538491
GACO0612T149-2CRS 006	L1869427-06	C28-C36 Motor Oil Range	186		41.5	10	06/17/2025 04:09	WG2538491
GACO0612T149-2CRC 006	L1869427-07	C28-C36 Motor Oil Range	242		41.5	10	06/17/2025 04:22	WG2538491
GACO0612T149-2CRS 007	L1869427-08	C10-C28 Diesel Range	10.9		4.18	1	06/17/2025 01:50	WG2538491
GACO0612T149-2CRS 007	L1869427-08	C28-C36 Motor Oil Range	115		4.18	1	06/17/2025 01:50	WG2538491
GACO0612T149-2CRS 008	L1869427-10	C10-C28 Diesel Range	9.59	J6	5.08	1	06/17/2025 00:59	WG2538491
GACO0612T149-2CRS 008	L1869427-10	C28-C36 Motor Oil Range	35.8		5.08	1	06/17/2025 00:59	WG2538491
GACO0612T149-2CRS 009	L1869427-11	C10-C28 Diesel Range	6.91		5.72	1	06/17/2025 00:21	WG2538491
GACO0612T149-2CRS 009	L1869427-11	C28-C36 Motor Oil Range	56.5		5.72	1	06/17/2025 00:21	WG2538491
GACO0612T149-2CRS 010	L1869427-13	C10-C28 Diesel Range	9.14		4.22	1	06/17/2025 02:03	WG2538491
GACO0612T149-2CRS 010	L1869427-13	C28-C36 Motor Oil Range	93.9		4.22	1	06/17/2025 02:03	WG2538491
GACO0612T149-2CRS 011	L1869427-14	C28-C36 Motor Oil Range	43.9		6.19	1	06/17/2025 02:41	WG2538491
GACO0612T149-2CRC 011	L1869427-15	C10-C28 Diesel Range	9.79		4.27	1	06/17/2025 02:53	WG2538491
GACO0612T149-2CRC 011	L1869427-15	C28-C36 Motor Oil Range	100		4.27	1	06/17/2025 02:53	WG2538491
GACO0612T149-2CRS 012	L1869427-16	C10-C28 Diesel Range	8.00		5.26	1	06/17/2025 00:34	WG2538491
GACO0612T149-2CRS 012	L1869427-16	C28-C36 Motor Oil Range	56.4		5.26	1	06/17/2025 00:34	WG2538491
GACO0612T149-2CRS 013	L1869427-18	C10-C28 Diesel Range	11.3		4.81	1	06/17/2025 03:06	WG2538491
GACO0612T149-2CRS 013	L1869427-18	C28-C36 Motor Oil Range	101		4.81	1	06/17/2025 03:06	WG2538491
GACO0612T149-2CRS 014	L1869427-19	C10-C28 Diesel Range	11.5		4.23	1	06/17/2025 01:37	WG2538491
GACO0612T149-2CRS 014	L1869427-19	C28-C36 Motor Oil Range	112		4.23	1	06/17/2025 01:37	WG2538491
GACO0612T149-2CRS 015	L1869427-20	C28-C36 Motor Oil Range	22.8		4.12	1	06/17/2025 00:47	WG2538491
GACO0612T149-2CRS 016	L1869427-21	C28-C36 Motor Oil Range	75.5		47.0	10	06/16/2025 21:19	WG2538492
GACO0612T149-2CRS 017	L1869427-23	C10-C28 Diesel Range	6.04		4.21	1	06/16/2025 18:43	WG2538492
GACO0612T149-2CRS 017	L1869427-23	C28-C36 Motor Oil Range	89.6		4.21	1	06/16/2025 18:43	WG2538492

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0612T149-2CRS 001	L1869427-01	Benzo(a)anthracene	0.00870		0.00629	1	06/19/2025 17:49	WG2541994
GACO0612T149-2CRS 002	L1869427-02	Naphthalene	0.240		0.00372	1	06/17/2025 01:20	WG2538511
GACO0612T149-2CRS 002	L1869427-02	1-Methylnaphthalene	0.0225		0.00372	1	06/17/2025 01:20	WG2538511
GACO0612T149-2CRS 002	L1869427-02	2-Methylnaphthalene	0.0689		0.0149	1	06/17/2025 01:20	WG2538511
GACO0612T149-2CRS 005	L1869427-05	Naphthalene	0.00428		0.00317	1	06/17/2025 01:39	WG2538511
GACO0612T149-2CRS 015	L1869427-20	Benzo(a)anthracene	0.00624		0.00618	1	06/17/2025 05:02	WG2538512

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.327		1	06/20/2025 10:30	WG2540937

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	270		21.0	1	06/17/2025 12:43	WG2538422

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	95.4		1	06/13/2025 19:53	WG2538345

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		10.5	1	06/17/2025 01:22	WG2538429

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	266		105	5	06/17/2025 12:43	WG2539790

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.210	1	06/25/2025 23:28	WG2538832

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.30		1	06/21/2025 10:11	WG2543012

Sample Narrative:

L1869427-01 WG2543012: 8.3 at 22.9C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	264	umhos/cm		10.0	1	06/23/2025 18:29	WG2543045

Sample Narrative:

L1869427-01 WG2543045: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		21.0	1	06/14/2025 16:19	WG2538422

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	2600		500	5	06/17/2025 18:18	WG2538557

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.332		0.200	1	06/19/2025 13:19	WG2540950

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	3270		21.0	1	06/14/2025 13:42	WG2538469
Antimony	ND		2.10	1	06/14/2025 13:42	WG2538469
Beryllium	0.310		0.210	1	06/14/2025 13:42	WG2538469
Calcium	6990		105	1	06/14/2025 13:42	WG2538469
Chromium	5.00		1.05	1	06/14/2025 13:42	WG2538469
Cobalt	2.61		1.05	1	06/14/2025 13:42	WG2538469
Iron	6130		10.5	1	06/14/2025 13:42	WG2538469
Magnesium	1820		105	1	06/14/2025 13:42	WG2538469
Manganese	145		1.05	1	06/14/2025 13:42	WG2538469
Potassium	1110		105	1	06/14/2025 13:42	WG2538469
Sodium	163		105	1	06/14/2025 13:42	WG2538469
Thallium	ND		2.10	1	06/14/2025 13:42	WG2538469
Vanadium	9.88		2.10	1	06/14/2025 13:42	WG2538469

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.07		0.105	5	06/16/2025 03:35	WG2538477
Barium	87.0		10.5	5	06/16/2025 03:35	WG2538477
Cadmium	0.119		0.105	5	06/16/2025 03:35	WG2538477
Copper	ND		10.5	5	06/16/2025 03:35	WG2538477
Lead	ND		10.5	5	06/16/2025 03:35	WG2538477
Nickel	ND		10.5	5	06/16/2025 03:35	WG2538477
Selenium	0.262		0.105	5	06/16/2025 03:35	WG2538477
Silver	ND		0.524	5	06/16/2025 03:35	WG2538477
Zinc	ND		52.4	5	06/16/2025 03:35	WG2538477

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		2.74	25	06/14/2025 09:32	WG2538246
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	101		77.0-120		06/14/2025 09:32	WG2538246

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0549	1	06/13/2025 22:50	WG2538238
Acrylonitrile	ND		0.0137	1	06/13/2025 22:50	WG2538238
Benzene	ND		0.00110	1	06/13/2025 22:50	WG2538238
Bromobenzene	ND		0.0137	1	06/13/2025 22:50	WG2538238
Bromodichloromethane	ND		0.00274	1	06/13/2025 22:50	WG2538238
Bromoform	ND		0.0274	1	06/13/2025 22:50	WG2538238
Bromomethane	ND	C3	0.0137	1	06/13/2025 22:50	WG2538238
n-Butylbenzene	ND		0.0137	1	06/13/2025 22:50	WG2538238
sec-Butylbenzene	ND		0.0137	1	06/13/2025 22:50	WG2538238
tert-Butylbenzene	ND		0.00549	1	06/13/2025 22:50	WG2538238
Carbon tetrachloride	ND		0.00549	1	06/13/2025 22:50	WG2538238
Chlorobenzene	ND		0.00274	1	06/13/2025 22:50	WG2538238
Chlorodibromomethane	ND		0.00274	1	06/13/2025 22:50	WG2538238

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND		0.00549	1	06/13/2025 22:50	WG2538238
Chloroform	ND		0.00274	1	06/13/2025 22:50	WG2538238
Chloromethane	ND		0.0137	1	06/13/2025 22:50	WG2538238
2-Chlorotoluene	ND		0.00274	1	06/13/2025 22:50	WG2538238
4-Chlorotoluene	ND		0.00549	1	06/13/2025 22:50	WG2538238
1,2-Dibromo-3-Chloropropane	ND		0.0274	1	06/13/2025 22:50	WG2538238
1,2-Dibromoethane	ND		0.00274	1	06/13/2025 22:50	WG2538238
Dibromomethane	ND		0.00549	1	06/13/2025 22:50	WG2538238
1,2-Dichlorobenzene	ND		0.00549	1	06/13/2025 22:50	WG2538238
1,3-Dichlorobenzene	ND		0.00549	1	06/13/2025 22:50	WG2538238
1,4-Dichlorobenzene	ND		0.00549	1	06/13/2025 22:50	WG2538238
Dichlorodifluoromethane	ND		0.00549	1	06/13/2025 22:50	WG2538238
1,1-Dichloroethane	ND		0.00274	1	06/13/2025 22:50	WG2538238
1,2-Dichloroethane	ND		0.00274	1	06/13/2025 22:50	WG2538238
1,1-Dichloroethene	ND		0.00274	1	06/13/2025 22:50	WG2538238
cis-1,2-Dichloroethene	ND		0.00274	1	06/13/2025 22:50	WG2538238
trans-1,2-Dichloroethene	ND		0.00549	1	06/13/2025 22:50	WG2538238
1,2-Dichloropropane	ND		0.00549	1	06/13/2025 22:50	WG2538238
1,1-Dichloropropene	ND		0.00274	1	06/13/2025 22:50	WG2538238
1,3-Dichloropropane	ND		0.00549	1	06/13/2025 22:50	WG2538238
cis-1,3-Dichloropropene	ND		0.00274	1	06/13/2025 22:50	WG2538238
trans-1,3-Dichloropropene	ND		0.00549	1	06/13/2025 22:50	WG2538238
2,2-Dichloropropane	ND		0.00274	1	06/13/2025 22:50	WG2538238
Di-isopropyl ether	ND		0.00110	1	06/13/2025 22:50	WG2538238
Ethylbenzene	ND		0.0110	1	06/13/2025 22:50	WG2538238
Hexachloro-1,3-butadiene	ND		0.0274	1	06/13/2025 22:50	WG2538238
Isopropylbenzene	ND		0.00274	1	06/13/2025 22:50	WG2538238
p-Isopropyltoluene	ND		0.00549	1	06/13/2025 22:50	WG2538238
2-Butanone (MEK)	ND		0.110	1	06/13/2025 22:50	WG2538238
Methylene Chloride	ND		0.0274	1	06/13/2025 22:50	WG2538238
4-Methyl-2-pentanone (MIBK)	ND		0.0274	1	06/13/2025 22:50	WG2538238
Methyl tert-butyl ether	ND		0.00110	1	06/13/2025 22:50	WG2538238
n-Propylbenzene	ND		0.00549	1	06/13/2025 22:50	WG2538238
Styrene	ND		0.0137	1	06/13/2025 22:50	WG2538238
1,1,1,2-Tetrachloroethane	ND		0.00274	1	06/13/2025 22:50	WG2538238
1,1,2,2-Tetrachloroethane	ND		0.00274	1	06/13/2025 22:50	WG2538238
1,1,2-Trichlorotrifluoroethane	ND		0.00274	1	06/13/2025 22:50	WG2538238
Tetrachloroethene	ND		0.00274	1	06/13/2025 22:50	WG2538238
Toluene	ND		0.0110	1	06/13/2025 22:50	WG2538238
1,2,3-Trichlorobenzene	ND		0.0137	1	06/13/2025 22:50	WG2538238
1,2,4-Trichlorobenzene	ND		0.0137	1	06/13/2025 22:50	WG2538238
1,1,1-Trichloroethane	ND		0.00274	1	06/13/2025 22:50	WG2538238
1,1,2-Trichloroethane	ND		0.00274	1	06/13/2025 22:50	WG2538238
Trichloroethene	ND		0.00110	1	06/13/2025 22:50	WG2538238
Trichlorofluoromethane	ND		0.00274	1	06/13/2025 22:50	WG2538238
1,2,3-Trichloropropane	ND		0.0137	1	06/13/2025 22:50	WG2538238
1,2,3-Trimethylbenzene	ND		0.00549	1	06/13/2025 22:50	WG2538238
1,2,4-Trimethylbenzene	ND		0.00549	1	06/13/2025 22:50	WG2538238
1,3,5-Trimethylbenzene	ND		0.00549	1	06/13/2025 22:50	WG2538238
Vinyl chloride	ND		0.00274	1	06/13/2025 22:50	WG2538238
Xylenes, Total	ND		0.110	1	06/13/2025 22:50	WG2538238
(S) Toluene-d8	99.6		75.0-131		06/13/2025 22:50	WG2538238
(S) 4-Bromofluorobenzene	100		67.0-138		06/13/2025 22:50	WG2538238
(S) 1,2-Dichloroethane-d4	101		70.0-130		06/13/2025 22:50	WG2538238



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		8.39	2	06/17/2025 12:11	WG2538491
C28-C36 Motor Oil Range	17.3		8.39	2	06/17/2025 12:11	WG2538491
(S) o-Terphenyl	50.0		18.0-148		06/17/2025 12:11	WG2538491

Sample Narrative:

L1869427-01 WG2538491: Cannot run at lower dilution due to viscosity of extract

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		0.0698	2	06/17/2025 16:51	WG2538473
Benzidine	ND	J4	3.50	2	06/17/2025 16:51	WG2538473
Benzo(g,h,i)perylene	ND		0.0698	2	06/17/2025 16:51	WG2538473
Bis(2-chlorethoxy)methane	ND		0.698	2	06/17/2025 16:51	WG2538473
Bis(2-chloroethyl)ether	ND		0.698	2	06/17/2025 16:51	WG2538473
2,2-Oxybis(1-Chloropropane)	ND	C3	0.698	2	06/17/2025 16:51	WG2538473
4-Bromophenyl-phenylether	ND		0.698	2	06/17/2025 16:51	WG2538473
2-Chloronaphthalene	ND		0.0698	2	06/17/2025 16:51	WG2538473
4-Chlorophenyl-phenylether	ND		0.698	2	06/17/2025 16:51	WG2538473
1,2-Dichlorobenzene	ND		0.698	2	06/17/2025 16:51	WG2538473
1,3-Dichlorobenzene	ND		0.698	2	06/17/2025 16:51	WG2538473
1,4-Dichlorobenzene	ND		0.698	2	06/17/2025 16:51	WG2538473
3,3-Dichlorobenzidine	ND		0.698	2	06/17/2025 16:51	WG2538473
2,4-Dinitrotoluene	ND		0.698	2	06/17/2025 16:51	WG2538473
2,6-Dinitrotoluene	ND		0.698	2	06/17/2025 16:51	WG2538473
Hexachlorobenzene	ND		0.698	2	06/17/2025 16:51	WG2538473
Hexachloro-1,3-butadiene	ND		0.698	2	06/17/2025 16:51	WG2538473
Hexachlorocyclopentadiene	ND	C3 C7	0.698	2	06/17/2025 16:51	WG2538473
Hexachloroethane	ND		0.698	2	06/17/2025 16:51	WG2538473
Isophorone	ND		0.698	2	06/17/2025 16:51	WG2538473
Nitrobenzene	ND		0.698	2	06/17/2025 16:51	WG2538473
n-Nitrosodimethylamine	ND	C3	0.698	2	06/17/2025 16:51	WG2538473
n-Nitrosodiphenylamine	ND		0.698	2	06/17/2025 16:51	WG2538473
n-Nitrosodi-n-propylamine	ND		0.698	2	06/17/2025 16:51	WG2538473
Phenanthrene	ND		0.0698	2	06/17/2025 16:51	WG2538473
Benzylbutyl phthalate	ND		0.698	2	06/17/2025 16:51	WG2538473
Bis(2-ethylhexyl)phthalate	ND		0.698	2	06/17/2025 16:51	WG2538473
Di-n-butyl phthalate	ND		0.698	2	06/17/2025 16:51	WG2538473
Diethyl phthalate	ND		0.698	2	06/17/2025 16:51	WG2538473
Dimethyl phthalate	ND		0.698	2	06/17/2025 16:51	WG2538473
Di-n-octyl phthalate	ND		0.698	2	06/17/2025 16:51	WG2538473
1,2,4-Trichlorobenzene	ND		0.698	2	06/17/2025 16:51	WG2538473
4-Chloro-3-methylphenol	ND		0.698	2	06/17/2025 16:51	WG2538473
2-Chlorophenol	ND		0.698	2	06/17/2025 16:51	WG2538473
2,4-Dichlorophenol	ND		0.698	2	06/17/2025 16:51	WG2538473
2,4-Dimethylphenol	ND		0.698	2	06/17/2025 16:51	WG2538473
4,6-Dinitro-2-methylphenol	ND		0.698	2	06/17/2025 16:51	WG2538473
2,4-Dinitrophenol	ND		0.698	2	06/17/2025 16:51	WG2538473
2-Nitrophenol	ND		0.698	2	06/17/2025 16:51	WG2538473
4-Nitrophenol	ND	C3	0.698	2	06/17/2025 16:51	WG2538473
Pentachlorophenol	ND		0.698	2	06/17/2025 16:51	WG2538473
Phenol	ND		0.698	2	06/17/2025 16:51	WG2538473
2,4,6-Trichlorophenol	ND		0.698	2	06/17/2025 16:51	WG2538473
(S) 2-Fluorophenol	74.7		12.0-120		06/17/2025 16:51	WG2538473
(S) Phenol-d5	68.3		10.0-120		06/17/2025 16:51	WG2538473
(S) Nitrobenzene-d5	67.4		10.0-122		06/17/2025 16:51	WG2538473

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	76.0		15.0-120		06/17/2025 16:51	WG2538473
(S) 2,4,6-Tribromophenol	114		10.0-127		06/17/2025 16:51	WG2538473
(S) p-Terphenyl-d14	88.0		10.0-120		06/17/2025 16:51	WG2538473

Sample Narrative:

L1869427-01 WG2538473: Dilution due to matrix impact during extract concentration procedure.

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0346	1	06/19/2025 17:49	WG2541994
Acenaphthene	ND		0.0346	1	06/19/2025 17:49	WG2541994
Acenaphthylene	ND		0.0346	1	06/19/2025 17:49	WG2541994
Benzo(a)anthracene	0.00870		0.00629	1	06/19/2025 17:49	WG2541994
Benzo(a)pyrene	ND		0.0346	1	06/19/2025 17:49	WG2541994
Benzo(b)fluoranthene	ND		0.0346	1	06/19/2025 17:49	WG2541994
Benzo(g,h,i)perylene	ND		0.0346	1	06/19/2025 17:49	WG2541994
Benzo(k)fluoranthene	ND		0.0346	1	06/19/2025 17:49	WG2541994
Chrysene	ND		0.0346	1	06/19/2025 17:49	WG2541994
Dibenz(a,h)anthracene	ND		0.0346	1	06/19/2025 17:49	WG2541994
Fluoranthene	ND		0.0346	1	06/19/2025 17:49	WG2541994
Fluorene	ND		0.0346	1	06/19/2025 17:49	WG2541994
Indeno(1,2,3-cd)pyrene	ND		0.0346	1	06/19/2025 17:49	WG2541994
Naphthalene	ND		0.00315	1	06/19/2025 17:49	WG2541994
Phenanthrene	ND		0.0346	1	06/19/2025 17:49	WG2541994
Pyrene	ND		0.0346	1	06/19/2025 17:49	WG2541994
1-Methylnaphthalene	ND		0.00315	1	06/19/2025 17:49	WG2541994
2-Methylnaphthalene	ND		0.0126	1	06/19/2025 17:49	WG2541994
(S) p-Terphenyl-d14	91.4		23.0-120		06/19/2025 17:49	WG2541994
(S) Nitrobenzene-d5	61.3		14.0-149		06/19/2025 17:49	WG2541994
(S) 2-Fluorobiphenyl	73.4		34.0-125		06/19/2025 17:49	WG2541994

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.107		1	06/20/2025 10:33	WG2540937

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1640		24.8	1	06/17/2025 12:47	WG2538422

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	80.6		1	06/13/2025 19:53	WG2538345

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		12.4	1	06/17/2025 01:25	WG2538429

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1640		124	5	06/17/2025 12:47	WG2539790

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.248	1	06/25/2025 23:37	WG2538832

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.58		1	06/21/2025 10:11	WG2543012

Sample Narrative:

L1869427-02 WG2543012: 7.58 at 23C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	507	umhos/cm		10.0	1	06/23/2025 18:29	WG2543045

Sample Narrative:

L1869427-02 WG2543045: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		24.8	1	06/14/2025 16:35	WG2538422

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	17200		900	9	06/17/2025 18:18	WG2538557

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.881		0.200	1	06/19/2025 13:21	WG2540950

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	4060		24.8	1	06/14/2025 13:45	WG2538469
Antimony	ND		2.48	1	06/14/2025 13:45	WG2538469
Beryllium	0.417		0.248	1	06/14/2025 13:45	WG2538469
Calcium	7420		124	1	06/14/2025 13:45	WG2538469
Chromium	4.89		1.24	1	06/14/2025 13:45	WG2538469
Cobalt	2.93		1.24	1	06/14/2025 13:45	WG2538469
Iron	7490		12.4	1	06/14/2025 13:45	WG2538469
Magnesium	2030		124	1	06/14/2025 13:45	WG2538469
Manganese	186		1.24	1	06/14/2025 13:45	WG2538469
Potassium	1680		124	1	06/14/2025 13:45	WG2538469
Sodium	129		124	1	06/14/2025 13:45	WG2538469
Thallium	ND		2.48	1	06/14/2025 13:45	WG2538469
Vanadium	13.0		2.48	1	06/14/2025 13:45	WG2538469

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.96		0.124	5	06/16/2025 03:38	WG2538477
Barium	61.9		12.4	5	06/16/2025 03:38	WG2538477
Cadmium	0.166		0.124	5	06/16/2025 03:38	WG2538477
Copper	35.6		12.4	5	06/16/2025 03:38	WG2538477
Lead	ND		12.4	5	06/16/2025 03:38	WG2538477
Nickel	ND		12.4	5	06/16/2025 03:38	WG2538477
Selenium	0.316		0.124	5	06/16/2025 03:38	WG2538477
Silver	ND		0.621	5	06/16/2025 03:38	WG2538477
Zinc	ND		62.1	5	06/16/2025 03:38	WG2538477

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		3.71	25	06/14/2025 09:54	WG2538246
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	100		77.0-120		06/14/2025 09:54	WG2538246

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0741	1	06/13/2025 23:10	WG2538238
Acrylonitrile	ND		0.0185	1	06/13/2025 23:10	WG2538238
Benzene	ND		0.00148	1	06/13/2025 23:10	WG2538238
Bromobenzene	ND		0.0185	1	06/13/2025 23:10	WG2538238
Bromodichloromethane	ND		0.00371	1	06/13/2025 23:10	WG2538238
Bromoform	ND		0.0371	1	06/13/2025 23:10	WG2538238
Bromomethane	ND	C3	0.0185	1	06/13/2025 23:10	WG2538238
n-Butylbenzene	ND		0.0185	1	06/13/2025 23:10	WG2538238
sec-Butylbenzene	ND		0.0185	1	06/13/2025 23:10	WG2538238
tert-Butylbenzene	ND		0.00741	1	06/13/2025 23:10	WG2538238
Carbon tetrachloride	ND		0.00741	1	06/13/2025 23:10	WG2538238
Chlorobenzene	ND		0.00371	1	06/13/2025 23:10	WG2538238
Chlorodibromomethane	ND		0.00371	1	06/13/2025 23:10	WG2538238

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND		0.00741	1	06/13/2025 23:10	WG2538238
Chloroform	ND		0.00371	1	06/13/2025 23:10	WG2538238
Chloromethane	ND		0.0185	1	06/13/2025 23:10	WG2538238
2-Chlorotoluene	ND		0.00371	1	06/13/2025 23:10	WG2538238
4-Chlorotoluene	ND		0.00741	1	06/13/2025 23:10	WG2538238
1,2-Dibromo-3-Chloropropane	ND		0.0371	1	06/13/2025 23:10	WG2538238
1,2-Dibromoethane	ND		0.00371	1	06/13/2025 23:10	WG2538238
Dibromomethane	ND		0.00741	1	06/13/2025 23:10	WG2538238
1,2-Dichlorobenzene	ND		0.00741	1	06/13/2025 23:10	WG2538238
1,3-Dichlorobenzene	ND		0.00741	1	06/13/2025 23:10	WG2538238
1,4-Dichlorobenzene	ND		0.00741	1	06/13/2025 23:10	WG2538238
Dichlorodifluoromethane	ND		0.00741	1	06/13/2025 23:10	WG2538238
1,1-Dichloroethane	ND		0.00371	1	06/13/2025 23:10	WG2538238
1,2-Dichloroethane	ND		0.00371	1	06/13/2025 23:10	WG2538238
1,1-Dichloroethene	ND		0.00371	1	06/13/2025 23:10	WG2538238
cis-1,2-Dichloroethene	ND		0.00371	1	06/13/2025 23:10	WG2538238
trans-1,2-Dichloroethene	ND		0.00741	1	06/13/2025 23:10	WG2538238
1,2-Dichloropropane	ND		0.00741	1	06/13/2025 23:10	WG2538238
1,1-Dichloropropene	ND		0.00371	1	06/13/2025 23:10	WG2538238
1,3-Dichloropropane	ND		0.00741	1	06/13/2025 23:10	WG2538238
cis-1,3-Dichloropropene	ND		0.00371	1	06/13/2025 23:10	WG2538238
trans-1,3-Dichloropropene	ND		0.00741	1	06/13/2025 23:10	WG2538238
2,2-Dichloropropane	ND		0.00371	1	06/13/2025 23:10	WG2538238
Di-isopropyl ether	ND		0.00148	1	06/13/2025 23:10	WG2538238
Ethylbenzene	ND		0.0148	1	06/13/2025 23:10	WG2538238
Hexachloro-1,3-butadiene	ND		0.0371	1	06/13/2025 23:10	WG2538238
Isopropylbenzene	ND		0.00371	1	06/13/2025 23:10	WG2538238
p-Isopropyltoluene	ND		0.00741	1	06/13/2025 23:10	WG2538238
2-Butanone (MEK)	ND		0.148	1	06/13/2025 23:10	WG2538238
Methylene Chloride	ND		0.0371	1	06/13/2025 23:10	WG2538238
4-Methyl-2-pentanone (MIBK)	ND		0.0371	1	06/13/2025 23:10	WG2538238
Methyl tert-butyl ether	ND		0.00148	1	06/13/2025 23:10	WG2538238
n-Propylbenzene	ND		0.00741	1	06/13/2025 23:10	WG2538238
Styrene	ND		0.0185	1	06/13/2025 23:10	WG2538238
1,1,1,2-Tetrachloroethane	ND		0.00371	1	06/13/2025 23:10	WG2538238
1,1,2,2-Tetrachloroethane	ND		0.00371	1	06/13/2025 23:10	WG2538238
1,1,2-Trichlorotrifluoroethane	ND		0.00371	1	06/13/2025 23:10	WG2538238
Tetrachloroethene	ND		0.00371	1	06/13/2025 23:10	WG2538238
Toluene	ND		0.0148	1	06/13/2025 23:10	WG2538238
1,2,3-Trichlorobenzene	ND		0.0185	1	06/13/2025 23:10	WG2538238
1,2,4-Trichlorobenzene	ND		0.0185	1	06/13/2025 23:10	WG2538238
1,1,1-Trichloroethane	ND		0.00371	1	06/13/2025 23:10	WG2538238
1,1,2-Trichloroethane	ND		0.00371	1	06/13/2025 23:10	WG2538238
Trichloroethene	ND		0.00148	1	06/13/2025 23:10	WG2538238
Trichlorofluoromethane	ND		0.00371	1	06/13/2025 23:10	WG2538238
1,2,3-Trichloropropane	ND		0.0185	1	06/13/2025 23:10	WG2538238
1,2,3-Trimethylbenzene	ND		0.00741	1	06/13/2025 23:10	WG2538238
1,2,4-Trimethylbenzene	ND		0.00741	1	06/13/2025 23:10	WG2538238
1,3,5-Trimethylbenzene	ND		0.00741	1	06/13/2025 23:10	WG2538238
Vinyl chloride	ND		0.00371	1	06/13/2025 23:10	WG2538238
Xylenes, Total	ND		0.148	1	06/13/2025 23:10	WG2538238
(S) Toluene-d8	99.1		75.0-131		06/13/2025 23:10	WG2538238
(S) 4-Bromofluorobenzene	99.8		67.0-138		06/13/2025 23:10	WG2538238
(S) 1,2-Dichloroethane-d4	96.7		70.0-130		06/13/2025 23:10	WG2538238

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		24.8	5	06/17/2025 12:24	WG2538491
C28-C36 Motor Oil Range	65.8		24.8	5	06/17/2025 12:24	WG2538491
(S) o-Terphenyl	43.1		18.0-148		06/17/2025 12:24	WG2538491

Sample Narrative:

L1869427-02 WG2538491: Cannot run at lower dilution due to viscosity of extract

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		0.0827	2	06/17/2025 17:13	WG2538473
Benzidine	ND	J4	4.15	2	06/17/2025 17:13	WG2538473
Benzo(g,h,i)perylene	ND		0.0827	2	06/17/2025 17:13	WG2538473
Bis(2-chlorethoxy)methane	ND		0.827	2	06/17/2025 17:13	WG2538473
Bis(2-chloroethyl)ether	ND		0.827	2	06/17/2025 17:13	WG2538473
2,2-Oxybis(1-Chloropropane)	ND	C3	0.827	2	06/17/2025 17:13	WG2538473
4-Bromophenyl-phenylether	ND		0.827	2	06/17/2025 17:13	WG2538473
2-Chloronaphthalene	ND		0.0827	2	06/17/2025 17:13	WG2538473
4-Chlorophenyl-phenylether	ND		0.827	2	06/17/2025 17:13	WG2538473
1,2-Dichlorobenzene	ND		0.827	2	06/17/2025 17:13	WG2538473
1,3-Dichlorobenzene	ND		0.827	2	06/17/2025 17:13	WG2538473
1,4-Dichlorobenzene	ND		0.827	2	06/17/2025 17:13	WG2538473
3,3-Dichlorobenzidine	ND		0.827	2	06/17/2025 17:13	WG2538473
2,4-Dinitrotoluene	ND		0.827	2	06/17/2025 17:13	WG2538473
2,6-Dinitrotoluene	ND		0.827	2	06/17/2025 17:13	WG2538473
Hexachlorobenzene	ND		0.827	2	06/17/2025 17:13	WG2538473
Hexachloro-1,3-butadiene	ND		0.827	2	06/17/2025 17:13	WG2538473
Hexachlorocyclopentadiene	ND	C3 C7	0.827	2	06/17/2025 17:13	WG2538473
Hexachloroethane	ND		0.827	2	06/17/2025 17:13	WG2538473
Isophorone	ND		0.827	2	06/17/2025 17:13	WG2538473
Nitrobenzene	ND		0.827	2	06/17/2025 17:13	WG2538473
n-Nitrosodimethylamine	ND	C3	0.827	2	06/17/2025 17:13	WG2538473
n-Nitrosodiphenylamine	ND		0.827	2	06/17/2025 17:13	WG2538473
n-Nitrosodi-n-propylamine	ND		0.827	2	06/17/2025 17:13	WG2538473
Phenanthrene	ND		0.0827	2	06/17/2025 17:13	WG2538473
Benzylbutyl phthalate	ND		0.827	2	06/17/2025 17:13	WG2538473
Bis(2-ethylhexyl)phthalate	ND		0.827	2	06/17/2025 17:13	WG2538473
Di-n-butyl phthalate	ND		0.827	2	06/17/2025 17:13	WG2538473
Diethyl phthalate	ND		0.827	2	06/17/2025 17:13	WG2538473
Dimethyl phthalate	ND		0.827	2	06/17/2025 17:13	WG2538473
Di-n-octyl phthalate	ND		0.827	2	06/17/2025 17:13	WG2538473
1,2,4-Trichlorobenzene	ND		0.827	2	06/17/2025 17:13	WG2538473
4-Chloro-3-methylphenol	ND		0.827	2	06/17/2025 17:13	WG2538473
2-Chlorophenol	ND		0.827	2	06/17/2025 17:13	WG2538473
2,4-Dichlorophenol	ND		0.827	2	06/17/2025 17:13	WG2538473
2,4-Dimethylphenol	ND		0.827	2	06/17/2025 17:13	WG2538473
4,6-Dinitro-2-methylphenol	ND		0.827	2	06/17/2025 17:13	WG2538473
2,4-Dinitrophenol	ND		0.827	2	06/17/2025 17:13	WG2538473
2-Nitrophenol	ND		0.827	2	06/17/2025 17:13	WG2538473
4-Nitrophenol	ND	C3	0.827	2	06/17/2025 17:13	WG2538473
Pentachlorophenol	ND		0.827	2	06/17/2025 17:13	WG2538473
Phenol	ND		0.827	2	06/17/2025 17:13	WG2538473
2,4,6-Trichlorophenol	ND		0.827	2	06/17/2025 17:13	WG2538473
(S) 2-Fluorophenol	71.0		12.0-120		06/17/2025 17:13	WG2538473
(S) Phenol-d5	64.0		10.0-120		06/17/2025 17:13	WG2538473
(S) Nitrobenzene-d5	68.7		10.0-122		06/17/2025 17:13	WG2538473

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	70.6		15.0-120		06/17/2025 17:13	WG2538473
(S) 2,4,6-Tribromophenol	97.3		10.0-127		06/17/2025 17:13	WG2538473
(S) p-Terphenyl-d14	74.1		10.0-120		06/17/2025 17:13	WG2538473

Sample Narrative:

L1869427-02 WG2538473: Dilution due to matrix impact during extract concentration procedure.

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0410	1	06/17/2025 01:20	WG2538511
Acenaphthene	ND		0.0410	1	06/17/2025 01:20	WG2538511
Acenaphthylene	ND		0.0410	1	06/17/2025 01:20	WG2538511
Benzo(a)anthracene	ND	J4	0.00745	1	06/17/2025 01:20	WG2538511
Benzo(a)pyrene	ND		0.0410	1	06/17/2025 01:20	WG2538511
Benzo(b)fluoranthene	ND		0.0410	1	06/17/2025 01:20	WG2538511
Benzo(g,h,i)perylene	ND		0.0410	1	06/17/2025 01:20	WG2538511
Benzo(k)fluoranthene	ND		0.0410	1	06/17/2025 01:20	WG2538511
Chrysene	ND		0.0410	1	06/17/2025 01:20	WG2538511
Dibenz(a,h)anthracene	ND	J4	0.0410	1	06/17/2025 01:20	WG2538511
Fluoranthene	ND		0.0410	1	06/17/2025 01:20	WG2538511
Fluorene	ND		0.0410	1	06/17/2025 01:20	WG2538511
Indeno(1,2,3-cd)pyrene	ND		0.0410	1	06/17/2025 01:20	WG2538511
Naphthalene	0.240		0.00372	1	06/17/2025 01:20	WG2538511
Phenanthrene	ND		0.0410	1	06/17/2025 01:20	WG2538511
Pyrene	ND		0.0410	1	06/17/2025 01:20	WG2538511
1-Methylnaphthalene	0.0225		0.00372	1	06/17/2025 01:20	WG2538511
2-Methylnaphthalene	0.0689		0.0149	1	06/17/2025 01:20	WG2538511
(S) p-Terphenyl-d14	67.0		23.0-120		06/17/2025 01:20	WG2538511
(S) Nitrobenzene-d5	71.2		14.0-149		06/17/2025 01:20	WG2538511
(S) 2-Fluorobiphenyl	69.0		34.0-125		06/17/2025 01:20	WG2538511

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.0694		1	06/20/2025 10:36	WG2540937

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	478		24.7	1	06/17/2025 12:49	WG2538422

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	82.6		1	06/13/2025 19:53	WG2538345

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		12.1	1	06/17/2025 01:26	WG2538429

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	478		121	5	06/17/2025 12:49	WG2539790

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.242	1	06/25/2025 23:46	WG2538832

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.13		1	06/21/2025 10:11	WG2543012

Sample Narrative:

L1869427-03 WG2543012: 8.13 at 23C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	302	umhos/cm		10.0	1	06/23/2025 18:29	WG2543045

Sample Narrative:

L1869427-03 WG2543045: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		24.7	1.02	06/14/2025 16:52	WG2538422

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	4150		500	5	06/17/2025 18:18	WG2538557

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	06/19/2025 13:23	WG2540950

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	4790		24.2	1	06/14/2025 13:48	WG2538469
Antimony	ND		2.42	1	06/14/2025 13:48	WG2538469
Beryllium	0.466		0.242	1	06/14/2025 13:48	WG2538469
Calcium	8430		121	1	06/14/2025 13:48	WG2538469
Chromium	6.75		1.21	1	06/14/2025 13:48	WG2538469
Cobalt	3.64		1.21	1	06/14/2025 13:48	WG2538469
Iron	9290		12.1	1	06/14/2025 13:48	WG2538469
Magnesium	2180		121	1	06/14/2025 13:48	WG2538469
Manganese	231		1.21	1	06/14/2025 13:48	WG2538469
Potassium	1360		121	1	06/14/2025 13:48	WG2538469
Sodium	ND		121	1	06/14/2025 13:48	WG2538469
Thallium	ND		2.42	1	06/14/2025 13:48	WG2538469
Vanadium	14.5		2.42	1	06/14/2025 13:48	WG2538469

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.11		0.121	5	06/16/2025 03:41	WG2538477
Barium	85.6		12.1	5	06/16/2025 03:41	WG2538477
Cadmium	0.166		0.121	5	06/16/2025 03:41	WG2538477
Copper	ND		12.1	5	06/16/2025 03:41	WG2538477
Lead	ND		12.1	5	06/16/2025 03:41	WG2538477
Nickel	ND		12.1	5	06/16/2025 03:41	WG2538477
Selenium	0.365		0.121	5	06/16/2025 03:41	WG2538477
Silver	ND		0.605	5	06/16/2025 03:41	WG2538477
Zinc	ND		60.5	5	06/16/2025 03:41	WG2538477

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		3.55	25	06/13/2025 18:21	WG2538252
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	97.9		77.0-120		06/13/2025 18:21	WG2538252

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0711	1	06/13/2025 23:30	WG2538238
Acrylonitrile	ND		0.0178	1	06/13/2025 23:30	WG2538238
Benzene	ND		0.00142	1	06/13/2025 23:30	WG2538238
Bromobenzene	ND		0.0178	1	06/13/2025 23:30	WG2538238
Bromodichloromethane	ND		0.00355	1	06/13/2025 23:30	WG2538238
Bromoform	ND		0.0355	1	06/13/2025 23:30	WG2538238
Bromomethane	ND	C3	0.0178	1	06/13/2025 23:30	WG2538238
n-Butylbenzene	ND		0.0178	1	06/13/2025 23:30	WG2538238
sec-Butylbenzene	ND		0.0178	1	06/13/2025 23:30	WG2538238
tert-Butylbenzene	ND		0.00711	1	06/13/2025 23:30	WG2538238
Carbon tetrachloride	ND		0.00711	1	06/13/2025 23:30	WG2538238
Chlorobenzene	ND		0.00355	1	06/13/2025 23:30	WG2538238
Chlorodibromomethane	ND		0.00355	1	06/13/2025 23:30	WG2538238

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND		0.00711	1	06/13/2025 23:30	WG2538238
Chloroform	ND		0.00355	1	06/13/2025 23:30	WG2538238
Chloromethane	ND		0.0178	1	06/13/2025 23:30	WG2538238
2-Chlorotoluene	ND		0.00355	1	06/13/2025 23:30	WG2538238
4-Chlorotoluene	ND		0.00711	1	06/13/2025 23:30	WG2538238
1,2-Dibromo-3-Chloropropane	ND		0.0355	1	06/13/2025 23:30	WG2538238
1,2-Dibromoethane	ND		0.00355	1	06/13/2025 23:30	WG2538238
Dibromomethane	ND		0.00711	1	06/13/2025 23:30	WG2538238
1,2-Dichlorobenzene	ND		0.00711	1	06/13/2025 23:30	WG2538238
1,3-Dichlorobenzene	ND		0.00711	1	06/13/2025 23:30	WG2538238
1,4-Dichlorobenzene	ND		0.00711	1	06/13/2025 23:30	WG2538238
Dichlorodifluoromethane	ND		0.00711	1	06/13/2025 23:30	WG2538238
1,1-Dichloroethane	ND		0.00355	1	06/13/2025 23:30	WG2538238
1,2-Dichloroethane	ND		0.00355	1	06/13/2025 23:30	WG2538238
1,1-Dichloroethene	ND		0.00355	1	06/13/2025 23:30	WG2538238
cis-1,2-Dichloroethene	ND		0.00355	1	06/13/2025 23:30	WG2538238
trans-1,2-Dichloroethene	ND		0.00711	1	06/13/2025 23:30	WG2538238
1,2-Dichloropropane	ND		0.00711	1	06/13/2025 23:30	WG2538238
1,1-Dichloropropene	ND		0.00355	1	06/13/2025 23:30	WG2538238
1,3-Dichloropropane	ND		0.00711	1	06/13/2025 23:30	WG2538238
cis-1,3-Dichloropropene	ND		0.00355	1	06/13/2025 23:30	WG2538238
trans-1,3-Dichloropropene	ND		0.00711	1	06/13/2025 23:30	WG2538238
2,2-Dichloropropane	ND		0.00355	1	06/13/2025 23:30	WG2538238
Di-isopropyl ether	ND		0.00142	1	06/13/2025 23:30	WG2538238
Ethylbenzene	ND		0.0142	1	06/13/2025 23:30	WG2538238
Hexachloro-1,3-butadiene	ND		0.0355	1	06/13/2025 23:30	WG2538238
Isopropylbenzene	ND		0.00355	1	06/13/2025 23:30	WG2538238
p-Isopropyltoluene	ND		0.00711	1	06/13/2025 23:30	WG2538238
2-Butanone (MEK)	ND		0.142	1	06/13/2025 23:30	WG2538238
Methylene Chloride	ND		0.0355	1	06/13/2025 23:30	WG2538238
4-Methyl-2-pentanone (MIBK)	ND		0.0355	1	06/13/2025 23:30	WG2538238
Methyl tert-butyl ether	ND		0.00142	1	06/13/2025 23:30	WG2538238
n-Propylbenzene	ND		0.00711	1	06/13/2025 23:30	WG2538238
Styrene	ND		0.0178	1	06/13/2025 23:30	WG2538238
1,1,1,2-Tetrachloroethane	ND		0.00355	1	06/13/2025 23:30	WG2538238
1,1,2,2-Tetrachloroethane	ND		0.00355	1	06/13/2025 23:30	WG2538238
1,1,2-Trichlorotrifluoroethane	ND		0.00355	1	06/13/2025 23:30	WG2538238
Tetrachloroethene	ND		0.00355	1	06/13/2025 23:30	WG2538238
Toluene	ND		0.0142	1	06/13/2025 23:30	WG2538238
1,2,3-Trichlorobenzene	ND		0.0178	1	06/13/2025 23:30	WG2538238
1,2,4-Trichlorobenzene	ND		0.0178	1	06/13/2025 23:30	WG2538238
1,1,1-Trichloroethane	ND		0.00355	1	06/13/2025 23:30	WG2538238
1,1,2-Trichloroethane	ND		0.00355	1	06/13/2025 23:30	WG2538238
Trichloroethene	ND		0.00142	1	06/13/2025 23:30	WG2538238
Trichlorofluoromethane	ND		0.00355	1	06/13/2025 23:30	WG2538238
1,2,3-Trichloropropane	ND		0.0178	1	06/13/2025 23:30	WG2538238
1,2,3-Trimethylbenzene	ND		0.00711	1	06/13/2025 23:30	WG2538238
1,2,4-Trimethylbenzene	ND		0.00711	1	06/13/2025 23:30	WG2538238
1,3,5-Trimethylbenzene	ND		0.00711	1	06/13/2025 23:30	WG2538238
Vinyl chloride	ND		0.00355	1	06/13/2025 23:30	WG2538238
Xylenes, Total	ND		0.142	1	06/13/2025 23:30	WG2538238
(S) Toluene-d8	99.9		75.0-131		06/13/2025 23:30	WG2538238
(S) 4-Bromofluorobenzene	102		67.0-138		06/13/2025 23:30	WG2538238
(S) 1,2-Dichloroethane-d4	94.6		70.0-130		06/13/2025 23:30	WG2538238

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.84	1	06/17/2025 13:04	WG2538491
C28-C36 Motor Oil Range	16.2		4.84	1	06/17/2025 13:04	WG2538491
(S) o-Terphenyl	58.7		18.0-148		06/17/2025 13:04	WG2538491

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		0.0806	2	06/17/2025 17:35	WG2538473
Benzidine	ND	J4	4.04	2	06/17/2025 17:35	WG2538473
Benzo(g,h,i)perylene	ND		0.0806	2	06/17/2025 17:35	WG2538473
Bis(2-chlorethoxy)methane	ND		0.806	2	06/17/2025 17:35	WG2538473
Bis(2-chloroethyl)ether	ND		0.806	2	06/17/2025 17:35	WG2538473
2,2-Oxybis(1-Chloropropane)	ND	C3	0.806	2	06/17/2025 17:35	WG2538473
4-Bromophenyl-phenylether	ND		0.806	2	06/17/2025 17:35	WG2538473
2-Chloronaphthalene	ND		0.0806	2	06/17/2025 17:35	WG2538473
4-Chlorophenyl-phenylether	ND		0.806	2	06/17/2025 17:35	WG2538473
1,2-Dichlorobenzene	ND		0.806	2	06/17/2025 17:35	WG2538473
1,3-Dichlorobenzene	ND		0.806	2	06/17/2025 17:35	WG2538473
1,4-Dichlorobenzene	ND		0.806	2	06/17/2025 17:35	WG2538473
3,3-Dichlorobenzidine	ND		0.806	2	06/17/2025 17:35	WG2538473
2,4-Dinitrotoluene	ND		0.806	2	06/17/2025 17:35	WG2538473
2,6-Dinitrotoluene	ND		0.806	2	06/17/2025 17:35	WG2538473
Hexachlorobenzene	ND		0.806	2	06/17/2025 17:35	WG2538473
Hexachloro-1,3-butadiene	ND		0.806	2	06/17/2025 17:35	WG2538473
Hexachlorocyclopentadiene	ND	C3 C7	0.806	2	06/17/2025 17:35	WG2538473
Hexachloroethane	ND		0.806	2	06/17/2025 17:35	WG2538473
Isophorone	ND		0.806	2	06/17/2025 17:35	WG2538473
Nitrobenzene	ND		0.806	2	06/17/2025 17:35	WG2538473
n-Nitrosodimethylamine	ND	C3	0.806	2	06/17/2025 17:35	WG2538473
n-Nitrosodiphenylamine	ND		0.806	2	06/17/2025 17:35	WG2538473
n-Nitrosodi-n-propylamine	ND		0.806	2	06/17/2025 17:35	WG2538473
Phenanthrene	ND		0.0806	2	06/17/2025 17:35	WG2538473
Benzylbutyl phthalate	ND		0.806	2	06/17/2025 17:35	WG2538473
Bis(2-ethylhexyl)phthalate	ND		0.806	2	06/17/2025 17:35	WG2538473
Di-n-butyl phthalate	ND		0.806	2	06/17/2025 17:35	WG2538473
Diethyl phthalate	ND		0.806	2	06/17/2025 17:35	WG2538473
Dimethyl phthalate	ND		0.806	2	06/17/2025 17:35	WG2538473
Di-n-octyl phthalate	ND		0.806	2	06/17/2025 17:35	WG2538473
1,2,4-Trichlorobenzene	ND		0.806	2	06/17/2025 17:35	WG2538473
4-Chloro-3-methylphenol	ND		0.806	2	06/17/2025 17:35	WG2538473
2-Chlorophenol	ND		0.806	2	06/17/2025 17:35	WG2538473
2,4-Dichlorophenol	ND		0.806	2	06/17/2025 17:35	WG2538473
2,4-Dimethylphenol	ND		0.806	2	06/17/2025 17:35	WG2538473
4,6-Dinitro-2-methylphenol	ND		0.806	2	06/17/2025 17:35	WG2538473
2,4-Dinitrophenol	ND		0.806	2	06/17/2025 17:35	WG2538473
2-Nitrophenol	ND		0.806	2	06/17/2025 17:35	WG2538473
4-Nitrophenol	ND	C3	0.806	2	06/17/2025 17:35	WG2538473
Pentachlorophenol	ND		0.806	2	06/17/2025 17:35	WG2538473
Phenol	ND		0.806	2	06/17/2025 17:35	WG2538473
2,4,6-Trichlorophenol	ND		0.806	2	06/17/2025 17:35	WG2538473
(S) 2-Fluorophenol	72.0		12.0-120		06/17/2025 17:35	WG2538473
(S) Phenol-d5	67.1		10.0-120		06/17/2025 17:35	WG2538473
(S) Nitrobenzene-d5	68.7		10.0-122		06/17/2025 17:35	WG2538473
(S) 2-Fluorobiphenyl	75.5		15.0-120		06/17/2025 17:35	WG2538473
(S) 2,4,6-Tribromophenol	102		10.0-127		06/17/2025 17:35	WG2538473
(S) p-Terphenyl-d14	80.7		10.0-120		06/17/2025 17:35	WG2538473

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
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Sample Narrative:

L1869427-03 WG2538473: Dilution due to matrix impact during extract concentration procedure.

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0400	1	06/19/2025 18:06	WG2541994
Acenaphthene	ND		0.0400	1	06/19/2025 18:06	WG2541994
Acenaphthylene	ND		0.0400	1	06/19/2025 18:06	WG2541994
Benzo(a)anthracene	ND		0.00726	1	06/19/2025 18:06	WG2541994
Benzo(a)pyrene	ND		0.0400	1	06/19/2025 18:06	WG2541994
Benzo(b)fluoranthene	ND		0.0400	1	06/19/2025 18:06	WG2541994
Benzo(g,h,i)perylene	ND		0.0400	1	06/19/2025 18:06	WG2541994
Benzo(k)fluoranthene	ND		0.0400	1	06/19/2025 18:06	WG2541994
Chrysene	ND		0.0400	1	06/19/2025 18:06	WG2541994
Dibenz(a,h)anthracene	ND		0.0400	1	06/19/2025 18:06	WG2541994
Fluoranthene	ND		0.0400	1	06/19/2025 18:06	WG2541994
Fluorene	ND		0.0400	1	06/19/2025 18:06	WG2541994
Indeno(1,2,3-cd)pyrene	ND		0.0400	1	06/19/2025 18:06	WG2541994
Naphthalene	ND		0.00363	1	06/19/2025 18:06	WG2541994
Phenanthrene	ND		0.0400	1	06/19/2025 18:06	WG2541994
Pyrene	ND		0.0400	1	06/19/2025 18:06	WG2541994
1-Methylnaphthalene	ND		0.00363	1	06/19/2025 18:06	WG2541994
2-Methylnaphthalene	ND		0.0145	1	06/19/2025 18:06	WG2541994
(S) p-Terphenyl-d14	78.4		23.0-120		06/19/2025 18:06	WG2541994
(S) Nitrobenzene-d5	38.9		14.0-149		06/19/2025 18:06	WG2541994
(S) 2-Fluorobiphenyl	49.4		34.0-125		06/19/2025 18:06	WG2541994

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0500	1	06/13/2025 19:45	WG2538285
Acrolein	ND	C3	0.0500	1	06/13/2025 19:45	WG2538285
Acrylonitrile	ND		0.0100	1	06/13/2025 19:45	WG2538285
Benzene	ND		0.00100	1	06/13/2025 19:45	WG2538285
Bromobenzene	ND		0.00100	1	06/13/2025 19:45	WG2538285
Bromodichloromethane	ND		0.00100	1	06/13/2025 19:45	WG2538285
Bromoform	ND		0.00100	1	06/13/2025 19:45	WG2538285
Bromomethane	ND		0.00500	1	06/13/2025 19:45	WG2538285
n-Butylbenzene	ND		0.00100	1	06/13/2025 19:45	WG2538285
sec-Butylbenzene	ND		0.00100	1	06/13/2025 19:45	WG2538285
tert-Butylbenzene	ND		0.00100	1	06/13/2025 19:45	WG2538285
Carbon tetrachloride	ND		0.00100	1	06/13/2025 19:45	WG2538285
Chlorobenzene	ND		0.00100	1	06/13/2025 19:45	WG2538285
Chlorodibromomethane	ND		0.00100	1	06/13/2025 19:45	WG2538285
Chloroethane	ND		0.00500	1	06/13/2025 19:45	WG2538285
Chloroform	ND		0.00500	1	06/13/2025 19:45	WG2538285
Chloromethane	ND	C3	0.00250	1	06/13/2025 19:45	WG2538285
2-Chlorotoluene	ND		0.00100	1	06/13/2025 19:45	WG2538285
4-Chlorotoluene	ND		0.00100	1	06/13/2025 19:45	WG2538285
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	06/13/2025 19:45	WG2538285
1,2-Dibromoethane	ND		0.00100	1	06/13/2025 19:45	WG2538285
Dibromomethane	ND		0.00100	1	06/13/2025 19:45	WG2538285
1,2-Dichlorobenzene	ND		0.00100	1	06/13/2025 19:45	WG2538285
1,3-Dichlorobenzene	ND		0.00100	1	06/13/2025 19:45	WG2538285
1,4-Dichlorobenzene	ND		0.00100	1	06/13/2025 19:45	WG2538285
Dichlorodifluoromethane	ND		0.00500	1	06/13/2025 19:45	WG2538285
1,1-Dichloroethane	ND		0.00100	1	06/13/2025 19:45	WG2538285
1,2-Dichloroethane	ND		0.00100	1	06/13/2025 19:45	WG2538285
1,1-Dichloroethene	ND		0.00100	1	06/13/2025 19:45	WG2538285
cis-1,2-Dichloroethene	ND		0.00100	1	06/13/2025 19:45	WG2538285
trans-1,2-Dichloroethene	ND		0.00100	1	06/13/2025 19:45	WG2538285
1,2-Dichloropropane	ND		0.00100	1	06/13/2025 19:45	WG2538285
1,1-Dichloropropene	ND		0.00100	1	06/13/2025 19:45	WG2538285
1,3-Dichloropropane	ND		0.00100	1	06/13/2025 19:45	WG2538285
cis-1,3-Dichloropropene	ND		0.00100	1	06/13/2025 19:45	WG2538285
trans-1,3-Dichloropropene	ND		0.00100	1	06/13/2025 19:45	WG2538285
2,2-Dichloropropane	ND		0.00100	1	06/13/2025 19:45	WG2538285
Di-isopropyl ether	ND		0.00100	1	06/13/2025 19:45	WG2538285
Ethylbenzene	ND		0.00100	1	06/13/2025 19:45	WG2538285
Hexachloro-1,3-butadiene	ND		0.00100	1	06/13/2025 19:45	WG2538285
Isopropylbenzene	ND		0.00100	1	06/13/2025 19:45	WG2538285
p-Isopropyltoluene	ND		0.00100	1	06/13/2025 19:45	WG2538285
2-Butanone (MEK)	ND	C3	0.0100	1	06/13/2025 19:45	WG2538285
Methylene Chloride	ND		0.00500	1	06/13/2025 19:45	WG2538285
4-Methyl-2-pentanone (MIBK)	ND	C3	0.0100	1	06/13/2025 19:45	WG2538285
Methyl tert-butyl ether	ND		0.00100	1	06/13/2025 19:45	WG2538285
Naphthalene	ND		0.00500	1	06/13/2025 19:45	WG2538285
n-Propylbenzene	ND		0.00100	1	06/13/2025 19:45	WG2538285
Styrene	ND		0.00100	1	06/13/2025 19:45	WG2538285
1,1,1,2-Tetrachloroethane	ND		0.00100	1	06/13/2025 19:45	WG2538285
1,1,2,2-Tetrachloroethane	ND		0.00100	1	06/13/2025 19:45	WG2538285
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	06/13/2025 19:45	WG2538285
Tetrachloroethene	ND		0.00100	1	06/13/2025 19:45	WG2538285
Toluene	ND		0.00100	1	06/13/2025 19:45	WG2538285
1,2,3-Trichlorobenzene	ND		0.00100	1	06/13/2025 19:45	WG2538285
1,2,4-Trichlorobenzene	ND		0.00100	1	06/13/2025 19:45	WG2538285



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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00100	1	06/13/2025 19:45	WG2538285
1,1,2-Trichloroethane	ND		0.00100	1	06/13/2025 19:45	WG2538285
Trichloroethene	ND		0.00100	1	06/13/2025 19:45	WG2538285
Trichlorofluoromethane	ND		0.00500	1	06/13/2025 19:45	WG2538285
1,2,3-Trichloropropane	ND		0.00250	1	06/13/2025 19:45	WG2538285
1,2,4-Trimethylbenzene	ND		0.00100	1	06/13/2025 19:45	WG2538285
1,2,3-Trimethylbenzene	ND		0.00100	1	06/13/2025 19:45	WG2538285
1,3,5-Trimethylbenzene	ND		0.00100	1	06/13/2025 19:45	WG2538285
Vinyl chloride	ND		0.00100	1	06/13/2025 19:45	WG2538285
Xylenes, Total	ND		0.00300	1	06/13/2025 19:45	WG2538285
(S) Toluene-d8	97.8		80.0-120		06/13/2025 19:45	WG2538285
(S) 4-Bromofluorobenzene	98.9		77.0-126		06/13/2025 19:45	WG2538285
(S) 1,2-Dichloroethane-d4	96.1		70.0-130		06/13/2025 19:45	WG2538285

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.11		1	06/20/2025 10:39	WG2540937

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	2580		21.8	1	06/17/2025 12:51	WG2538422

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.7		1	06/13/2025 19:53	WG2538345

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		10.6	1	06/17/2025 01:28	WG2538429

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	2570		106	5	06/17/2025 12:51	WG2539790

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.211	1	06/25/2025 23:55	WG2538832

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.25		1	06/21/2025 10:11	WG2543012

Sample Narrative:

L1869427-05 WG2543012: 7.25 at 22.9C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1290	umhos/cm		10.0	1	06/23/2025 18:29	WG2543045

Sample Narrative:

L1869427-05 WG2543045: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		21.8	1.03	06/14/2025 17:08	WG2538422

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	25400		500	5	06/17/2025 18:20	WG2538557

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.60		0.200	1	06/19/2025 13:24	WG2540950

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	5860		21.1	1	06/14/2025 13:56	WG2538469
Antimony	ND		2.11	1	06/14/2025 13:56	WG2538469
Beryllium	0.640		0.211	1	06/14/2025 13:56	WG2538469
Calcium	6680		106	1	06/14/2025 13:56	WG2538469
Chromium	6.90		1.06	1	06/14/2025 13:56	WG2538469
Cobalt	5.31		1.06	1	06/14/2025 13:56	WG2538469
Iron	12100		10.6	1	06/14/2025 13:56	WG2538469
Magnesium	3170		106	1	06/14/2025 13:56	WG2538469
Manganese	398		1.06	1	06/14/2025 13:56	WG2538469
Potassium	3310		106	1	06/14/2025 13:56	WG2538469
Sodium	230		106	1	06/14/2025 13:56	WG2538469
Thallium	ND		2.11	1	06/14/2025 13:56	WG2538469
Vanadium	25.4		2.11	1	06/14/2025 13:56	WG2538469

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	5.86		0.106	5	06/16/2025 03:51	WG2538477
Barium	97.3		10.6	5	06/16/2025 03:51	WG2538477
Cadmium	0.364		0.106	5	06/16/2025 03:51	WG2538477
Copper	66.8		10.6	5	06/16/2025 03:51	WG2538477
Lead	ND		10.6	5	06/16/2025 03:51	WG2538477
Nickel	ND		10.6	5	06/16/2025 03:51	WG2538477
Selenium	0.489		0.106	5	06/16/2025 03:51	WG2538477
Silver	ND		0.528	5	06/16/2025 03:51	WG2538477
Zinc	61.5		52.8	5	06/16/2025 03:51	WG2538477

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		2.78	25	06/13/2025 19:07	WG2538252
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	99.7		77.0-120		06/13/2025 19:07	WG2538252

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0556	1	06/13/2025 23:50	WG2538238
Acrylonitrile	ND		0.0139	1	06/13/2025 23:50	WG2538238
Benzene	ND		0.00111	1	06/13/2025 23:50	WG2538238
Bromobenzene	ND		0.0139	1	06/13/2025 23:50	WG2538238
Bromodichloromethane	ND		0.00278	1	06/13/2025 23:50	WG2538238
Bromoform	ND		0.0278	1	06/13/2025 23:50	WG2538238
Bromomethane	ND	C3	0.0139	1	06/13/2025 23:50	WG2538238
n-Butylbenzene	ND		0.0139	1	06/13/2025 23:50	WG2538238
sec-Butylbenzene	ND		0.0139	1	06/13/2025 23:50	WG2538238
tert-Butylbenzene	ND		0.00556	1	06/13/2025 23:50	WG2538238
Carbon tetrachloride	ND		0.00556	1	06/13/2025 23:50	WG2538238
Chlorobenzene	ND		0.00278	1	06/13/2025 23:50	WG2538238
Chlorodibromomethane	ND		0.00278	1	06/13/2025 23:50	WG2538238

1

Cp

2

Tc

3

Ss

4

Cn

5

Ds

6

Sr

7

Qc

8

Gl

9

Al

10

Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND		0.00556	1	06/13/2025 23:50	WG2538238
Chloroform	ND		0.00278	1	06/13/2025 23:50	WG2538238
Chloromethane	ND		0.0139	1	06/13/2025 23:50	WG2538238
2-Chlorotoluene	ND		0.00278	1	06/13/2025 23:50	WG2538238
4-Chlorotoluene	ND		0.00556	1	06/13/2025 23:50	WG2538238
1,2-Dibromo-3-Chloropropane	ND		0.0278	1	06/13/2025 23:50	WG2538238
1,2-Dibromoethane	ND		0.00278	1	06/13/2025 23:50	WG2538238
Dibromomethane	ND		0.00556	1	06/13/2025 23:50	WG2538238
1,2-Dichlorobenzene	ND		0.00556	1	06/13/2025 23:50	WG2538238
1,3-Dichlorobenzene	ND		0.00556	1	06/13/2025 23:50	WG2538238
1,4-Dichlorobenzene	ND		0.00556	1	06/13/2025 23:50	WG2538238
Dichlorodifluoromethane	ND		0.00556	1	06/13/2025 23:50	WG2538238
1,1-Dichloroethane	ND		0.00278	1	06/13/2025 23:50	WG2538238
1,2-Dichloroethane	ND		0.00278	1	06/13/2025 23:50	WG2538238
1,1-Dichloroethene	ND		0.00278	1	06/13/2025 23:50	WG2538238
cis-1,2-Dichloroethene	ND		0.00278	1	06/13/2025 23:50	WG2538238
trans-1,2-Dichloroethene	ND		0.00556	1	06/13/2025 23:50	WG2538238
1,2-Dichloropropane	ND		0.00556	1	06/13/2025 23:50	WG2538238
1,1-Dichloropropene	ND		0.00278	1	06/13/2025 23:50	WG2538238
1,3-Dichloropropane	ND		0.00556	1	06/13/2025 23:50	WG2538238
cis-1,3-Dichloropropene	ND		0.00278	1	06/13/2025 23:50	WG2538238
trans-1,3-Dichloropropene	ND		0.00556	1	06/13/2025 23:50	WG2538238
2,2-Dichloropropane	ND		0.00278	1	06/13/2025 23:50	WG2538238
Di-isopropyl ether	ND		0.00111	1	06/13/2025 23:50	WG2538238
Ethylbenzene	ND		0.0111	1	06/13/2025 23:50	WG2538238
Hexachloro-1,3-butadiene	ND		0.0278	1	06/13/2025 23:50	WG2538238
Isopropylbenzene	ND		0.00278	1	06/13/2025 23:50	WG2538238
p-Isopropyltoluene	ND		0.00556	1	06/13/2025 23:50	WG2538238
2-Butanone (MEK)	ND		0.111	1	06/13/2025 23:50	WG2538238
Methylene Chloride	ND		0.0278	1	06/13/2025 23:50	WG2538238
4-Methyl-2-pentanone (MIBK)	ND		0.0278	1	06/13/2025 23:50	WG2538238
Methyl tert-butyl ether	ND		0.00111	1	06/13/2025 23:50	WG2538238
n-Propylbenzene	ND		0.00556	1	06/13/2025 23:50	WG2538238
Styrene	ND		0.0139	1	06/13/2025 23:50	WG2538238
1,1,1,2-Tetrachloroethane	ND		0.00278	1	06/13/2025 23:50	WG2538238
1,1,2,2-Tetrachloroethane	ND		0.00278	1	06/13/2025 23:50	WG2538238
1,1,2-Trichlorotrifluoroethane	ND		0.00278	1	06/13/2025 23:50	WG2538238
Tetrachloroethene	ND		0.00278	1	06/13/2025 23:50	WG2538238
Toluene	ND		0.0111	1	06/13/2025 23:50	WG2538238
1,2,3-Trichlorobenzene	ND		0.0139	1	06/13/2025 23:50	WG2538238
1,2,4-Trichlorobenzene	ND		0.0139	1	06/13/2025 23:50	WG2538238
1,1,1-Trichloroethane	ND		0.00278	1	06/13/2025 23:50	WG2538238
1,1,2-Trichloroethane	ND		0.00278	1	06/13/2025 23:50	WG2538238
Trichloroethene	ND		0.00111	1	06/13/2025 23:50	WG2538238
Trichlorofluoromethane	ND		0.00278	1	06/13/2025 23:50	WG2538238
1,2,3-Trichloropropane	ND		0.0139	1	06/13/2025 23:50	WG2538238
1,2,3-Trimethylbenzene	ND		0.00556	1	06/13/2025 23:50	WG2538238
1,2,4-Trimethylbenzene	ND		0.00556	1	06/13/2025 23:50	WG2538238
1,3,5-Trimethylbenzene	ND		0.00556	1	06/13/2025 23:50	WG2538238
Vinyl chloride	ND		0.00278	1	06/13/2025 23:50	WG2538238
Xylenes, Total	ND		0.111	1	06/13/2025 23:50	WG2538238
(S) Toluene-d8	99.1		75.0-131		06/13/2025 23:50	WG2538238
(S) 4-Bromofluorobenzene	99.3		67.0-138		06/13/2025 23:50	WG2538238
(S) 1,2-Dichloroethane-d4	99.4		70.0-130		06/13/2025 23:50	WG2538238

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Ds

⁶ Sr

⁷ Qc

⁸ Gl

⁹ Al

¹⁰ Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		21.1	5	06/17/2025 03:06	WG2538491
C28-C36 Motor Oil Range	159		21.1	5	06/17/2025 03:06	WG2538491
(S) o-Terphenyl	58.1		18.0-148		06/17/2025 03:06	WG2538491

Sample Narrative:
L1869427-05 WG2538491: Dilution due to matrix.

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		0.0703	2	06/17/2025 17:57	WG2538473
Benzidine	ND	J4	3.53	2	06/17/2025 17:57	WG2538473
Benzo(g,h,i)perylene	ND		0.0703	2	06/17/2025 17:57	WG2538473
Bis(2-chlorethoxy)methane	ND		0.703	2	06/17/2025 17:57	WG2538473
Bis(2-chloroethyl)ether	ND		0.703	2	06/17/2025 17:57	WG2538473
2,2-Oxybis(1-Chloropropane)	ND	C3	0.703	2	06/17/2025 17:57	WG2538473
4-Bromophenyl-phenylether	ND		0.703	2	06/17/2025 17:57	WG2538473
2-Chloronaphthalene	ND		0.0703	2	06/17/2025 17:57	WG2538473
4-Chlorophenyl-phenylether	ND		0.703	2	06/17/2025 17:57	WG2538473
1,2-Dichlorobenzene	ND		0.703	2	06/17/2025 17:57	WG2538473
1,3-Dichlorobenzene	ND		0.703	2	06/17/2025 17:57	WG2538473
1,4-Dichlorobenzene	ND		0.703	2	06/17/2025 17:57	WG2538473
3,3-Dichlorobenzidine	ND		0.703	2	06/17/2025 17:57	WG2538473
2,4-Dinitrotoluene	ND		0.703	2	06/17/2025 17:57	WG2538473
2,6-Dinitrotoluene	ND		0.703	2	06/17/2025 17:57	WG2538473
Hexachlorobenzene	ND		0.703	2	06/17/2025 17:57	WG2538473
Hexachloro-1,3-butadiene	ND		0.703	2	06/17/2025 17:57	WG2538473
Hexachlorocyclopentadiene	ND	C3 C7	0.703	2	06/17/2025 17:57	WG2538473
Hexachloroethane	ND		0.703	2	06/17/2025 17:57	WG2538473
Isophorone	ND		0.703	2	06/17/2025 17:57	WG2538473
Nitrobenzene	ND		0.703	2	06/17/2025 17:57	WG2538473
n-Nitrosodimethylamine	ND	C3	0.703	2	06/17/2025 17:57	WG2538473
n-Nitrosodiphenylamine	ND		0.703	2	06/17/2025 17:57	WG2538473
n-Nitrosodi-n-propylamine	ND		0.703	2	06/17/2025 17:57	WG2538473
Phenanthrene	ND		0.0703	2	06/17/2025 17:57	WG2538473
Benzylbutyl phthalate	ND		0.703	2	06/17/2025 17:57	WG2538473
Bis(2-ethylhexyl)phthalate	ND		0.703	2	06/17/2025 17:57	WG2538473
Di-n-butyl phthalate	ND		0.703	2	06/17/2025 17:57	WG2538473
Diethyl phthalate	ND		0.703	2	06/17/2025 17:57	WG2538473
Dimethyl phthalate	ND		0.703	2	06/17/2025 17:57	WG2538473
Di-n-octyl phthalate	ND		0.703	2	06/17/2025 17:57	WG2538473
1,2,4-Trichlorobenzene	ND		0.703	2	06/17/2025 17:57	WG2538473
4-Chloro-3-methylphenol	ND		0.703	2	06/17/2025 17:57	WG2538473
2-Chlorophenol	ND		0.703	2	06/17/2025 17:57	WG2538473
2,4-Dichlorophenol	ND		0.703	2	06/17/2025 17:57	WG2538473
2,4-Dimethylphenol	ND		0.703	2	06/17/2025 17:57	WG2538473
4,6-Dinitro-2-methylphenol	ND		0.703	2	06/17/2025 17:57	WG2538473
2,4-Dinitrophenol	ND		0.703	2	06/17/2025 17:57	WG2538473
2-Nitrophenol	ND		0.703	2	06/17/2025 17:57	WG2538473
4-Nitrophenol	ND	C3	0.703	2	06/17/2025 17:57	WG2538473
Pentachlorophenol	ND		0.703	2	06/17/2025 17:57	WG2538473
Phenol	ND		0.703	2	06/17/2025 17:57	WG2538473
2,4,6-Trichlorophenol	ND		0.703	2	06/17/2025 17:57	WG2538473
(S) 2-Fluorophenol	68.5		12.0-120		06/17/2025 17:57	WG2538473
(S) Phenol-d5	64.2		10.0-120		06/17/2025 17:57	WG2538473
(S) Nitrobenzene-d5	62.4		10.0-122		06/17/2025 17:57	WG2538473

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	70.0		15.0-120		06/17/2025 17:57	WG2538473
(S) 2,4,6-Tribromophenol	99.7		10.0-127		06/17/2025 17:57	WG2538473
(S) p-Terphenyl-d14	75.8		10.0-120		06/17/2025 17:57	WG2538473

Sample Narrative:

L1869427-05 WG2538473: Dilution due to matrix impact during extract concentration procedure.

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0349	1	06/17/2025 01:39	WG2538511
Acenaphthene	ND		0.0349	1	06/17/2025 01:39	WG2538511
Acenaphthylene	ND		0.0349	1	06/17/2025 01:39	WG2538511
Benzo(a)anthracene	ND	J4	0.00634	1	06/17/2025 01:39	WG2538511
Benzo(a)pyrene	ND		0.0349	1	06/17/2025 01:39	WG2538511
Benzo(b)fluoranthene	ND		0.0349	1	06/17/2025 01:39	WG2538511
Benzo(g,h,i)perylene	ND		0.0349	1	06/17/2025 01:39	WG2538511
Benzo(k)fluoranthene	ND		0.0349	1	06/17/2025 01:39	WG2538511
Chrysene	ND		0.0349	1	06/17/2025 01:39	WG2538511
Dibenz(a,h)anthracene	ND	J4	0.0349	1	06/17/2025 01:39	WG2538511
Fluoranthene	ND		0.0349	1	06/17/2025 01:39	WG2538511
Fluorene	ND		0.0349	1	06/17/2025 01:39	WG2538511
Indeno(1,2,3-cd)pyrene	ND		0.0349	1	06/17/2025 01:39	WG2538511
Naphthalene	0.00428		0.00317	1	06/17/2025 01:39	WG2538511
Phenanthrene	ND		0.0349	1	06/17/2025 01:39	WG2538511
Pyrene	ND		0.0349	1	06/17/2025 01:39	WG2538511
1-Methylnaphthalene	ND		0.00317	1	06/17/2025 01:39	WG2538511
2-Methylnaphthalene	ND		0.0127	1	06/17/2025 01:39	WG2538511
(S) p-Terphenyl-d14	84.2		23.0-120		06/17/2025 01:39	WG2538511
(S) Nitrobenzene-d5	91.7		14.0-149		06/17/2025 01:39	WG2538511
(S) 2-Fluorobiphenyl	86.2		34.0-125		06/17/2025 01:39	WG2538511

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.03		1	06/20/2025 10:42	WG2540937

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	2290		21.6	1	06/17/2025 12:52	WG2538422

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	96.3		1	06/13/2025 19:53	WG2538345

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		10.4	1	06/17/2025 01:31	WG2538429

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	2280		104	5	06/17/2025 12:52	WG2539790

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.208	1	06/26/2025 00:04	WG2538832

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	6.94		1	06/21/2025 10:11	WG2543012

Sample Narrative:

L1869427-06 WG2543012: 6.94 at 22.8C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1640	umhos/cm		10.0	1	06/23/2025 18:29	WG2543045

Sample Narrative:

L1869427-06 WG2543045: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		21.6	1.04	06/14/2025 17:24	WG2538422

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	14700		500	5	06/17/2025 18:20	WG2538557

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.21		0.200	1	06/19/2025 13:29	WG2540950

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	4060		20.8	1	06/14/2025 13:59	WG2538469
Antimony	ND		2.08	1	06/14/2025 13:59	WG2538469
Beryllium	0.506		0.208	1	06/14/2025 13:59	WG2538469
Calcium	4950		104	1	06/14/2025 13:59	WG2538469
Chromium	5.46		1.04	1	06/14/2025 13:59	WG2538469
Cobalt	3.62		1.04	1	06/14/2025 13:59	WG2538469
Iron	10900		10.4	1	06/14/2025 13:59	WG2538469
Magnesium	2080		104	1	06/14/2025 13:59	WG2538469
Manganese	420		1.04	1	06/14/2025 13:59	WG2538469
Potassium	2410		104	1	06/14/2025 13:59	WG2538469
Sodium	108		104	1	06/14/2025 13:59	WG2538469
Thallium	ND		2.08	1	06/14/2025 13:59	WG2538469
Vanadium	17.0		2.08	1	06/14/2025 13:59	WG2538469

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.06		0.104	5	06/16/2025 03:54	WG2538477
Barium	85.0		10.4	5	06/16/2025 03:54	WG2538477
Cadmium	0.331		0.104	5	06/16/2025 03:54	WG2538477
Copper	33.4		10.4	5	06/16/2025 03:54	WG2538477
Lead	ND		10.4	5	06/16/2025 03:54	WG2538477
Nickel	ND		10.4	5	06/16/2025 03:54	WG2538477
Selenium	0.366		0.104	5	06/16/2025 03:54	WG2538477
Silver	ND		0.519	5	06/16/2025 03:54	WG2538477
Zinc	ND		51.9	5	06/16/2025 03:54	WG2538477

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		2.69	25	06/13/2025 20:02	WG2538252
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	99.0		77.0-120		06/13/2025 20:02	WG2538252

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0538	1	06/14/2025 00:10	WG2538238
Acrylonitrile	ND		0.0135	1	06/14/2025 00:10	WG2538238
Benzene	ND		0.00108	1	06/14/2025 00:10	WG2538238
Bromobenzene	ND		0.0135	1	06/14/2025 00:10	WG2538238
Bromodichloromethane	ND		0.00269	1	06/14/2025 00:10	WG2538238
Bromoform	ND		0.0269	1	06/14/2025 00:10	WG2538238
Bromomethane	ND	C3	0.0135	1	06/14/2025 00:10	WG2538238
n-Butylbenzene	ND		0.0135	1	06/14/2025 00:10	WG2538238
sec-Butylbenzene	ND		0.0135	1	06/14/2025 00:10	WG2538238
tert-Butylbenzene	ND		0.00538	1	06/14/2025 00:10	WG2538238
Carbon tetrachloride	ND		0.00538	1	06/14/2025 00:10	WG2538238
Chlorobenzene	ND		0.00269	1	06/14/2025 00:10	WG2538238
Chlorodibromomethane	ND		0.00269	1	06/14/2025 00:10	WG2538238

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND		0.00538	1	06/14/2025 00:10	WG2538238
Chloroform	ND		0.00269	1	06/14/2025 00:10	WG2538238
Chloromethane	ND		0.0135	1	06/14/2025 00:10	WG2538238
2-Chlorotoluene	ND		0.00269	1	06/14/2025 00:10	WG2538238
4-Chlorotoluene	ND		0.00538	1	06/14/2025 00:10	WG2538238
1,2-Dibromo-3-Chloropropane	ND		0.0269	1	06/14/2025 00:10	WG2538238
1,2-Dibromoethane	ND		0.00269	1	06/14/2025 00:10	WG2538238
Dibromomethane	ND		0.00538	1	06/14/2025 00:10	WG2538238
1,2-Dichlorobenzene	ND		0.00538	1	06/14/2025 00:10	WG2538238
1,3-Dichlorobenzene	ND		0.00538	1	06/14/2025 00:10	WG2538238
1,4-Dichlorobenzene	ND		0.00538	1	06/14/2025 00:10	WG2538238
Dichlorodifluoromethane	ND		0.00538	1	06/14/2025 00:10	WG2538238
1,1-Dichloroethane	ND		0.00269	1	06/14/2025 00:10	WG2538238
1,2-Dichloroethane	ND		0.00269	1	06/14/2025 00:10	WG2538238
1,1-Dichloroethene	ND		0.00269	1	06/14/2025 00:10	WG2538238
cis-1,2-Dichloroethene	ND		0.00269	1	06/14/2025 00:10	WG2538238
trans-1,2-Dichloroethene	ND		0.00538	1	06/14/2025 00:10	WG2538238
1,2-Dichloropropane	ND		0.00538	1	06/14/2025 00:10	WG2538238
1,1-Dichloropropene	ND		0.00269	1	06/14/2025 00:10	WG2538238
1,3-Dichloropropane	ND		0.00538	1	06/14/2025 00:10	WG2538238
cis-1,3-Dichloropropene	ND		0.00269	1	06/14/2025 00:10	WG2538238
trans-1,3-Dichloropropene	ND		0.00538	1	06/14/2025 00:10	WG2538238
2,2-Dichloropropane	ND		0.00269	1	06/14/2025 00:10	WG2538238
Di-isopropyl ether	ND		0.00108	1	06/14/2025 00:10	WG2538238
Ethylbenzene	ND		0.0108	1	06/14/2025 00:10	WG2538238
Hexachloro-1,3-butadiene	ND		0.0269	1	06/14/2025 00:10	WG2538238
Isopropylbenzene	ND		0.00269	1	06/14/2025 00:10	WG2538238
p-Isopropyltoluene	ND		0.00538	1	06/14/2025 00:10	WG2538238
2-Butanone (MEK)	ND		0.108	1	06/14/2025 00:10	WG2538238
Methylene Chloride	ND		0.0269	1	06/14/2025 00:10	WG2538238
4-Methyl-2-pentanone (MIBK)	ND		0.0269	1	06/14/2025 00:10	WG2538238
Methyl tert-butyl ether	ND		0.00108	1	06/14/2025 00:10	WG2538238
n-Propylbenzene	ND		0.00538	1	06/14/2025 00:10	WG2538238
Styrene	ND		0.0135	1	06/14/2025 00:10	WG2538238
1,1,1,2-Tetrachloroethane	ND		0.00269	1	06/14/2025 00:10	WG2538238
1,1,2,2-Tetrachloroethane	ND		0.00269	1	06/14/2025 00:10	WG2538238
1,1,2-Trichlorotrifluoroethane	ND		0.00269	1	06/14/2025 00:10	WG2538238
Tetrachloroethene	ND		0.00269	1	06/14/2025 00:10	WG2538238
Toluene	ND		0.0108	1	06/14/2025 00:10	WG2538238
1,2,3-Trichlorobenzene	ND		0.0135	1	06/14/2025 00:10	WG2538238
1,2,4-Trichlorobenzene	ND		0.0135	1	06/14/2025 00:10	WG2538238
1,1,1-Trichloroethane	ND		0.00269	1	06/14/2025 00:10	WG2538238
1,1,2-Trichloroethane	ND		0.00269	1	06/14/2025 00:10	WG2538238
Trichloroethene	ND		0.00108	1	06/14/2025 00:10	WG2538238
Trichlorofluoromethane	ND		0.00269	1	06/14/2025 00:10	WG2538238
1,2,3-Trichloropropane	ND		0.0135	1	06/14/2025 00:10	WG2538238
1,2,3-Trimethylbenzene	ND		0.00538	1	06/14/2025 00:10	WG2538238
1,2,4-Trimethylbenzene	ND		0.00538	1	06/14/2025 00:10	WG2538238
1,3,5-Trimethylbenzene	ND		0.00538	1	06/14/2025 00:10	WG2538238
Vinyl chloride	ND		0.00269	1	06/14/2025 00:10	WG2538238
Xylenes, Total	ND		0.108	1	06/14/2025 00:10	WG2538238
(S) Toluene-d8	98.1		75.0-131		06/14/2025 00:10	WG2538238
(S) 4-Bromofluorobenzene	102		67.0-138		06/14/2025 00:10	WG2538238
(S) 1,2-Dichloroethane-d4	98.7		70.0-130		06/14/2025 00:10	WG2538238



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		41.5	10	06/17/2025 04:09	WG2538491
C28-C36 Motor Oil Range	186		41.5	10	06/17/2025 04:09	WG2538491
(S) o-Terphenyl	60.2		18.0-148		06/17/2025 04:09	WG2538491

Sample Narrative:
L1869427-06 WG2538491: Dilution due to matrix.

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		0.0691	2	06/17/2025 18:18	WG2538473
Benzidine	ND	J4	3.47	2	06/17/2025 18:18	WG2538473
Benzo(g,h,i)perylene	ND		0.0691	2	06/17/2025 18:18	WG2538473
Bis(2-chlorethoxy)methane	ND		0.691	2	06/17/2025 18:18	WG2538473
Bis(2-chloroethyl)ether	ND		0.691	2	06/17/2025 18:18	WG2538473
2,2-Oxybis(1-Chloropropane)	ND	C3	0.691	2	06/17/2025 18:18	WG2538473
4-Bromophenyl-phenylether	ND		0.691	2	06/17/2025 18:18	WG2538473
2-Chloronaphthalene	ND		0.0691	2	06/17/2025 18:18	WG2538473
4-Chlorophenyl-phenylether	ND		0.691	2	06/17/2025 18:18	WG2538473
1,2-Dichlorobenzene	ND		0.691	2	06/17/2025 18:18	WG2538473
1,3-Dichlorobenzene	ND		0.691	2	06/17/2025 18:18	WG2538473
1,4-Dichlorobenzene	ND		0.691	2	06/17/2025 18:18	WG2538473
3,3-Dichlorobenzidine	ND		0.691	2	06/17/2025 18:18	WG2538473
2,4-Dinitrotoluene	ND		0.691	2	06/17/2025 18:18	WG2538473
2,6-Dinitrotoluene	ND		0.691	2	06/17/2025 18:18	WG2538473
Hexachlorobenzene	ND		0.691	2	06/17/2025 18:18	WG2538473
Hexachloro-1,3-butadiene	ND		0.691	2	06/17/2025 18:18	WG2538473
Hexachlorocyclopentadiene	ND	C3 C7	0.691	2	06/17/2025 18:18	WG2538473
Hexachloroethane	ND		0.691	2	06/17/2025 18:18	WG2538473
Isophorone	ND		0.691	2	06/17/2025 18:18	WG2538473
Nitrobenzene	ND		0.691	2	06/17/2025 18:18	WG2538473
n-Nitrosodimethylamine	ND	C3	0.691	2	06/17/2025 18:18	WG2538473
n-Nitrosodiphenylamine	ND		0.691	2	06/17/2025 18:18	WG2538473
n-Nitrosodi-n-propylamine	ND		0.691	2	06/17/2025 18:18	WG2538473
Phenanthrene	ND		0.0691	2	06/17/2025 18:18	WG2538473
Benzylbutyl phthalate	ND		0.691	2	06/17/2025 18:18	WG2538473
Bis(2-ethylhexyl)phthalate	ND		0.691	2	06/17/2025 18:18	WG2538473
Di-n-butyl phthalate	ND		0.691	2	06/17/2025 18:18	WG2538473
Diethyl phthalate	ND		0.691	2	06/17/2025 18:18	WG2538473
Dimethyl phthalate	ND		0.691	2	06/17/2025 18:18	WG2538473
Di-n-octyl phthalate	ND		0.691	2	06/17/2025 18:18	WG2538473
1,2,4-Trichlorobenzene	ND		0.691	2	06/17/2025 18:18	WG2538473
4-Chloro-3-methylphenol	ND		0.691	2	06/17/2025 18:18	WG2538473
2-Chlorophenol	ND		0.691	2	06/17/2025 18:18	WG2538473
2,4-Dichlorophenol	ND		0.691	2	06/17/2025 18:18	WG2538473
2,4-Dimethylphenol	ND		0.691	2	06/17/2025 18:18	WG2538473
4,6-Dinitro-2-methylphenol	ND		0.691	2	06/17/2025 18:18	WG2538473
2,4-Dinitrophenol	ND		0.691	2	06/17/2025 18:18	WG2538473
2-Nitrophenol	ND		0.691	2	06/17/2025 18:18	WG2538473
4-Nitrophenol	ND	C3	0.691	2	06/17/2025 18:18	WG2538473
Pentachlorophenol	ND		0.691	2	06/17/2025 18:18	WG2538473
Phenol	ND		0.691	2	06/17/2025 18:18	WG2538473
2,4,6-Trichlorophenol	ND		0.691	2	06/17/2025 18:18	WG2538473
(S) 2-Fluorophenol	75.2		12.0-120		06/17/2025 18:18	WG2538473
(S) Phenol-d5	68.7		10.0-120		06/17/2025 18:18	WG2538473
(S) Nitrobenzene-d5	74.2		10.0-122		06/17/2025 18:18	WG2538473

1Cp

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	77.8		15.0-120		06/17/2025 18:18	WG2538473
(S) 2,4,6-Tribromophenol	110		10.0-127		06/17/2025 18:18	WG2538473
(S) p-Terphenyl-d14	80.8		10.0-120		06/17/2025 18:18	WG2538473

Sample Narrative:

L1869427-06 WG2538473: Dilution due to matrix impact during extract concentration procedure.

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0343	1	06/19/2025 18:24	WG2541994
Acenaphthene	ND		0.0343	1	06/19/2025 18:24	WG2541994
Acenaphthylene	ND		0.0343	1	06/19/2025 18:24	WG2541994
Benzo(a)anthracene	ND		0.00623	1	06/19/2025 18:24	WG2541994
Benzo(a)pyrene	ND		0.0343	1	06/19/2025 18:24	WG2541994
Benzo(b)fluoranthene	ND		0.0343	1	06/19/2025 18:24	WG2541994
Benzo(g,h,i)perylene	ND		0.0343	1	06/19/2025 18:24	WG2541994
Benzo(k)fluoranthene	ND		0.0343	1	06/19/2025 18:24	WG2541994
Chrysene	ND		0.0343	1	06/19/2025 18:24	WG2541994
Dibenz(a,h)anthracene	ND		0.0343	1	06/19/2025 18:24	WG2541994
Fluoranthene	ND		0.0343	1	06/19/2025 18:24	WG2541994
Fluorene	ND		0.0343	1	06/19/2025 18:24	WG2541994
Indeno(1,2,3-cd)pyrene	ND		0.0343	1	06/19/2025 18:24	WG2541994
Naphthalene	ND		0.00311	1	06/19/2025 18:24	WG2541994
Phenanthrene	ND		0.0343	1	06/19/2025 18:24	WG2541994
Pyrene	ND		0.0343	1	06/19/2025 18:24	WG2541994
1-Methylnaphthalene	ND		0.00311	1	06/19/2025 18:24	WG2541994
2-Methylnaphthalene	ND		0.0125	1	06/19/2025 18:24	WG2541994
(S) p-Terphenyl-d14	73.9		23.0-120		06/19/2025 18:24	WG2541994
(S) Nitrobenzene-d5	56.8		14.0-149		06/19/2025 18:24	WG2541994
(S) 2-Fluorobiphenyl	62.5		34.0-125		06/19/2025 18:24	WG2541994

1Cp

2Tc

3Ss

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5Ds

6Sr

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8Gl

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Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.805		1	06/20/2025 10:45	WG2540937

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	2220		20.8	1	06/17/2025 12:54	WG2538422

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	96.3		1	06/13/2025 19:53	WG2538345

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	10.4		10.4	1	06/17/2025 01:32	WG2538429

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	2220		104	5	06/17/2025 12:54	WG2539790

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.208	1	06/26/2025 00:22	WG2538832

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.06		1	06/21/2025 10:11	WG2543012

Sample Narrative:

L1869427-07 WG2543012: 7.06 at 22.9C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1490	umhos/cm		10.0	1	06/23/2025 18:29	WG2543045

Sample Narrative:

L1869427-07 WG2543045: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		20.8	1	06/16/2025 20:52	WG2538422

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	17700		500	5	06/17/2025 18:20	WG2538557

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.18		0.200	1	06/19/2025 13:31	WG2540950

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	4760		20.8	1	06/14/2025 14:02	WG2538469
Antimony	ND		2.08	1	06/14/2025 14:02	WG2538469
Beryllium	0.443		0.208	1	06/14/2025 14:02	WG2538469
Calcium	6010		104	1	06/14/2025 14:02	WG2538469
Chromium	5.96		1.04	1	06/14/2025 14:02	WG2538469
Cobalt	3.59		1.04	1	06/14/2025 14:02	WG2538469
Iron	8520		10.4	1	06/14/2025 14:02	WG2538469
Magnesium	2340		104	1	06/14/2025 14:02	WG2538469
Manganese	235		1.04	1	06/14/2025 14:02	WG2538469
Potassium	2690		104	1	06/14/2025 14:02	WG2538469
Sodium	133		104	1	06/14/2025 14:02	WG2538469
Thallium	ND		2.08	1	06/14/2025 14:02	WG2538469
Vanadium	13.9		2.08	1	06/14/2025 14:02	WG2538469

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.95		0.104	5	06/16/2025 03:57	WG2538477
Barium	71.4		10.4	5	06/16/2025 03:57	WG2538477
Cadmium	0.207		0.104	5	06/16/2025 03:57	WG2538477
Copper	30.5		10.4	5	06/16/2025 03:57	WG2538477
Lead	ND		10.4	5	06/16/2025 03:57	WG2538477
Nickel	10.4		10.4	5	06/16/2025 03:57	WG2538477
Selenium	0.337		0.104	5	06/16/2025 03:57	WG2538477
Silver	ND		0.519	5	06/16/2025 03:57	WG2538477
Zinc	ND		51.9	5	06/16/2025 03:57	WG2538477

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		2.69	25	06/13/2025 20:22	WG2538252
(S) a,a,a-Trifluorotoluene(FID)	98.4		77.0-120		06/13/2025 20:22	WG2538252

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0539	1	06/14/2025 00:30	WG2538238
Acrylonitrile	ND		0.0135	1	06/14/2025 00:30	WG2538238
Benzene	ND		0.00108	1	06/14/2025 00:30	WG2538238
Bromobenzene	ND		0.0135	1	06/14/2025 00:30	WG2538238
Bromodichloromethane	ND		0.00269	1	06/14/2025 00:30	WG2538238
Bromoform	ND		0.0269	1	06/14/2025 00:30	WG2538238
Bromomethane	ND	C3	0.0135	1	06/14/2025 00:30	WG2538238
n-Butylbenzene	ND		0.0135	1	06/14/2025 00:30	WG2538238
sec-Butylbenzene	ND		0.0135	1	06/14/2025 00:30	WG2538238
tert-Butylbenzene	ND		0.00539	1	06/14/2025 00:30	WG2538238
Carbon tetrachloride	ND		0.00539	1	06/14/2025 00:30	WG2538238
Chlorobenzene	ND		0.00269	1	06/14/2025 00:30	WG2538238
Chlorodibromomethane	ND		0.00269	1	06/14/2025 00:30	WG2538238

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND		0.00539	1	06/14/2025 00:30	WG2538238
Chloroform	ND		0.00269	1	06/14/2025 00:30	WG2538238
Chloromethane	ND		0.0135	1	06/14/2025 00:30	WG2538238
2-Chlorotoluene	ND		0.00269	1	06/14/2025 00:30	WG2538238
4-Chlorotoluene	ND		0.00539	1	06/14/2025 00:30	WG2538238
1,2-Dibromo-3-Chloropropane	ND		0.0269	1	06/14/2025 00:30	WG2538238
1,2-Dibromoethane	ND		0.00269	1	06/14/2025 00:30	WG2538238
Dibromomethane	ND		0.00539	1	06/14/2025 00:30	WG2538238
1,2-Dichlorobenzene	ND		0.00539	1	06/14/2025 00:30	WG2538238
1,3-Dichlorobenzene	ND		0.00539	1	06/14/2025 00:30	WG2538238
1,4-Dichlorobenzene	ND		0.00539	1	06/14/2025 00:30	WG2538238
Dichlorodifluoromethane	ND		0.00539	1	06/14/2025 00:30	WG2538238
1,1-Dichloroethane	ND		0.00269	1	06/14/2025 00:30	WG2538238
1,2-Dichloroethane	ND		0.00269	1	06/14/2025 00:30	WG2538238
1,1-Dichloroethene	ND		0.00269	1	06/14/2025 00:30	WG2538238
cis-1,2-Dichloroethene	ND		0.00269	1	06/14/2025 00:30	WG2538238
trans-1,2-Dichloroethene	ND		0.00539	1	06/14/2025 00:30	WG2538238
1,2-Dichloropropane	ND		0.00539	1	06/14/2025 00:30	WG2538238
1,1-Dichloropropene	ND		0.00269	1	06/14/2025 00:30	WG2538238
1,3-Dichloropropane	ND		0.00539	1	06/14/2025 00:30	WG2538238
cis-1,3-Dichloropropene	ND		0.00269	1	06/14/2025 00:30	WG2538238
trans-1,3-Dichloropropene	ND		0.00539	1	06/14/2025 00:30	WG2538238
2,2-Dichloropropane	ND		0.00269	1	06/14/2025 00:30	WG2538238
Di-isopropyl ether	ND		0.00108	1	06/14/2025 00:30	WG2538238
Ethylbenzene	ND		0.0108	1	06/14/2025 00:30	WG2538238
Hexachloro-1,3-butadiene	ND		0.0269	1	06/14/2025 00:30	WG2538238
Isopropylbenzene	ND		0.00269	1	06/14/2025 00:30	WG2538238
p-Isopropyltoluene	ND		0.00539	1	06/14/2025 00:30	WG2538238
2-Butanone (MEK)	ND		0.108	1	06/14/2025 00:30	WG2538238
Methylene Chloride	ND		0.0269	1	06/14/2025 00:30	WG2538238
4-Methyl-2-pentanone (MIBK)	ND		0.0269	1	06/14/2025 00:30	WG2538238
Methyl tert-butyl ether	ND		0.00108	1	06/14/2025 00:30	WG2538238
n-Propylbenzene	ND		0.00539	1	06/14/2025 00:30	WG2538238
Styrene	ND		0.0135	1	06/14/2025 00:30	WG2538238
1,1,1,2-Tetrachloroethane	ND		0.00269	1	06/14/2025 00:30	WG2538238
1,1,2,2-Tetrachloroethane	ND		0.00269	1	06/14/2025 00:30	WG2538238
1,1,2-Trichlorotrifluoroethane	ND		0.00269	1	06/14/2025 00:30	WG2538238
Tetrachloroethene	ND		0.00269	1	06/14/2025 00:30	WG2538238
Toluene	ND		0.0108	1	06/14/2025 00:30	WG2538238
1,2,3-Trichlorobenzene	ND		0.0135	1	06/14/2025 00:30	WG2538238
1,2,4-Trichlorobenzene	ND		0.0135	1	06/14/2025 00:30	WG2538238
1,1,1-Trichloroethane	ND		0.00269	1	06/14/2025 00:30	WG2538238
1,1,2-Trichloroethane	ND		0.00269	1	06/14/2025 00:30	WG2538238
Trichloroethene	ND		0.00108	1	06/14/2025 00:30	WG2538238
Trichlorofluoromethane	ND		0.00269	1	06/14/2025 00:30	WG2538238
1,2,3-Trichloropropane	ND		0.0135	1	06/14/2025 00:30	WG2538238
1,2,3-Trimethylbenzene	ND		0.00539	1	06/14/2025 00:30	WG2538238
1,2,4-Trimethylbenzene	ND		0.00539	1	06/14/2025 00:30	WG2538238
1,3,5-Trimethylbenzene	ND		0.00539	1	06/14/2025 00:30	WG2538238
Vinyl chloride	ND		0.00269	1	06/14/2025 00:30	WG2538238
Xylenes, Total	ND		0.108	1	06/14/2025 00:30	WG2538238
(S) Toluene-d8	97.6		75.0-131		06/14/2025 00:30	WG2538238
(S) 4-Bromofluorobenzene	101		67.0-138		06/14/2025 00:30	WG2538238
(S) 1,2-Dichloroethane-d4	96.8		70.0-130		06/14/2025 00:30	WG2538238



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		41.5	10	06/17/2025 04:22	WG2538491
C28-C36 Motor Oil Range	242		41.5	10	06/17/2025 04:22	WG2538491
(S) o-Terphenyl	54.8		18.0-148		06/17/2025 04:22	WG2538491

Sample Narrative:

L1869427-07 WG2538491: Dilution due to matrix.

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		0.0692	2	06/17/2025 19:38	WG2538475
Benzidine	ND	J4	3.47	2	06/17/2025 19:38	WG2538475
Benzo(g,h,i)perylene	ND		0.0692	2	06/17/2025 19:38	WG2538475
Bis(2-chlorethoxy)methane	ND		0.692	2	06/17/2025 19:38	WG2538475
Bis(2-chloroethyl)ether	ND		0.692	2	06/17/2025 19:38	WG2538475
2,2-Oxybis(1-Chloropropane)	ND		0.692	2	06/17/2025 19:38	WG2538475
4-Bromophenyl-phenylether	ND		0.692	2	06/17/2025 19:38	WG2538475
2-Chloronaphthalene	ND		0.0692	2	06/17/2025 19:38	WG2538475
4-Chlorophenyl-phenylether	ND		0.692	2	06/17/2025 19:38	WG2538475
1,2-Dichlorobenzene	ND		0.692	2	06/17/2025 19:38	WG2538475
1,3-Dichlorobenzene	ND		0.692	2	06/17/2025 19:38	WG2538475
1,4-Dichlorobenzene	ND		0.692	2	06/17/2025 19:38	WG2538475
3,3-Dichlorobenzidine	ND		0.692	2	06/17/2025 19:38	WG2538475
2,4-Dinitrotoluene	ND		0.692	2	06/17/2025 19:38	WG2538475
2,6-Dinitrotoluene	ND		0.692	2	06/17/2025 19:38	WG2538475
Hexachlorobenzene	ND		0.692	2	06/17/2025 19:38	WG2538475
Hexachloro-1,3-butadiene	ND		0.692	2	06/17/2025 19:38	WG2538475
Hexachlorocyclopentadiene	ND	C7	0.692	2	06/17/2025 19:38	WG2538475
Hexachloroethane	ND		0.692	2	06/17/2025 19:38	WG2538475
Isophorone	ND		0.692	2	06/17/2025 19:38	WG2538475
Nitrobenzene	ND		0.692	2	06/17/2025 19:38	WG2538475
n-Nitrosodimethylamine	ND		0.692	2	06/17/2025 19:38	WG2538475
n-Nitrosodiphenylamine	ND		0.692	2	06/17/2025 19:38	WG2538475
n-Nitrosodi-n-propylamine	ND		0.692	2	06/17/2025 19:38	WG2538475
Phenanthrene	ND		0.0692	2	06/17/2025 19:38	WG2538475
Benzylbutyl phthalate	ND		0.692	2	06/17/2025 19:38	WG2538475
Bis(2-ethylhexyl)phthalate	ND		0.692	2	06/17/2025 19:38	WG2538475
Di-n-butyl phthalate	ND		0.692	2	06/17/2025 19:38	WG2538475
Diethyl phthalate	ND		0.692	2	06/17/2025 19:38	WG2538475
Dimethyl phthalate	ND		0.692	2	06/17/2025 19:38	WG2538475
Di-n-octyl phthalate	ND		0.692	2	06/17/2025 19:38	WG2538475
1,2,4-Trichlorobenzene	ND		0.692	2	06/17/2025 19:38	WG2538475
4-Chloro-3-methylphenol	ND		0.692	2	06/17/2025 19:38	WG2538475
2-Chlorophenol	ND		0.692	2	06/17/2025 19:38	WG2538475
2,4-Dichlorophenol	ND		0.692	2	06/17/2025 19:38	WG2538475
2,4-Dimethylphenol	ND		0.692	2	06/17/2025 19:38	WG2538475
4,6-Dinitro-2-methylphenol	ND		0.692	2	06/17/2025 19:38	WG2538475
2,4-Dinitrophenol	ND		0.692	2	06/17/2025 19:38	WG2538475
2-Nitrophenol	ND		0.692	2	06/17/2025 19:38	WG2538475
4-Nitrophenol	ND	C3	0.692	2	06/17/2025 19:38	WG2538475
Pentachlorophenol	ND		0.692	2	06/17/2025 19:38	WG2538475
Phenol	ND		0.692	2	06/17/2025 19:38	WG2538475
2,4,6-Trichlorophenol	ND		0.692	2	06/17/2025 19:38	WG2538475
(S) 2-Fluorophenol	63.2		12.0-120		06/17/2025 19:38	WG2538475
(S) Phenol-d5	53.9		10.0-120		06/17/2025 19:38	WG2538475
(S) Nitrobenzene-d5	71.0		10.0-122		06/17/2025 19:38	WG2538475

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	76.4		15.0-120		06/17/2025 19:38	WG2538475
(S) 2,4,6-Tribromophenol	96.5		10.0-127		06/17/2025 19:38	WG2538475
(S) p-Terphenyl-d14	79.6		10.0-120		06/17/2025 19:38	WG2538475

Sample Narrative:

L1869427-07 WG2538475: Dilution due to matrix impact during extract concentration procedure.

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0343	1	06/17/2025 05:21	WG2538512
Acenaphthene	ND		0.0343	1	06/17/2025 05:21	WG2538512
Acenaphthylene	ND		0.0343	1	06/17/2025 05:21	WG2538512
Benzo(a)anthracene	ND		0.00623	1	06/17/2025 05:21	WG2538512
Benzo(a)pyrene	ND		0.0343	1	06/17/2025 05:21	WG2538512
Benzo(b)fluoranthene	ND		0.0343	1	06/17/2025 05:21	WG2538512
Benzo(g,h,i)perylene	ND		0.0343	1	06/17/2025 05:21	WG2538512
Benzo(k)fluoranthene	ND		0.0343	1	06/17/2025 05:21	WG2538512
Chrysene	ND		0.0343	1	06/17/2025 05:21	WG2538512
Dibenz(a,h)anthracene	ND		0.0343	1	06/17/2025 05:21	WG2538512
Fluoranthene	ND		0.0343	1	06/17/2025 05:21	WG2538512
Fluorene	ND		0.0343	1	06/17/2025 05:21	WG2538512
Indeno(1,2,3-cd)pyrene	ND		0.0343	1	06/17/2025 05:21	WG2538512
Naphthalene	ND		0.00312	1	06/17/2025 05:21	WG2538512
Phenanthrene	ND		0.0343	1	06/17/2025 05:21	WG2538512
Pyrene	ND		0.0343	1	06/17/2025 05:21	WG2538512
1-Methylnaphthalene	ND		0.00312	1	06/17/2025 05:21	WG2538512
2-Methylnaphthalene	ND		0.0125	1	06/17/2025 05:21	WG2538512
(S) p-Terphenyl-d14	93.0		23.0-120		06/17/2025 05:21	WG2538512
(S) Nitrobenzene-d5	101		14.0-149		06/17/2025 05:21	WG2538512
(S) 2-Fluorobiphenyl	94.3		34.0-125		06/17/2025 05:21	WG2538512

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.04		1	06/20/2025 10:53	WG2540937

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	3730		20.9	1	06/17/2025 12:58	WG2538422

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	95.8		1	06/13/2025 19:53	WG2538345

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		10.4	1	06/17/2025 01:38	WG2538429

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	3720		104	5	06/17/2025 12:58	WG2539790

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.209	1	06/26/2025 05:39	WG2538833

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.52		1	06/21/2025 10:11	WG2543012

Sample Narrative:

L1869427-08 WG2543012: 7.52 at 23C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1060	umhos/cm		10.0	1	06/23/2025 18:29	WG2543045

Sample Narrative:

L1869427-08 WG2543045: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		20.9	1	06/14/2025 17:57	WG2538422

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	23900		500	5	06/17/2025 19:28	WG2538571

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.59		0.200	1	06/19/2025 13:32	WG2540950

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	6080		20.9	1	06/14/2025 14:05	WG2538469
Antimony	ND		2.09	1	06/14/2025 14:05	WG2538469
Beryllium	0.570		0.209	1	06/14/2025 14:05	WG2538469
Calcium	8270		104	1	06/14/2025 14:05	WG2538469
Chromium	6.93		1.04	1	06/14/2025 14:05	WG2538469
Cobalt	4.11		1.04	1	06/14/2025 14:05	WG2538469
Iron	10300		10.4	1	06/14/2025 14:05	WG2538469
Magnesium	3260		104	1	06/14/2025 14:05	WG2538469
Manganese	270		1.04	1	06/14/2025 14:05	WG2538469
Potassium	3360		104	1	06/14/2025 14:05	WG2538469
Sodium	188		104	1	06/14/2025 14:05	WG2538469
Thallium	ND		2.09	1	06/14/2025 14:05	WG2538469
Vanadium	16.8		2.09	1	06/14/2025 14:05	WG2538469

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.45		0.104	5	06/16/2025 04:00	WG2538477
Barium	77.4		10.4	5	06/16/2025 04:00	WG2538477
Cadmium	0.266		0.104	5	06/16/2025 04:00	WG2538477
Copper	29.0		10.4	5	06/16/2025 04:00	WG2538477
Lead	ND		10.4	5	06/16/2025 04:00	WG2538477
Nickel	ND		10.4	5	06/16/2025 04:00	WG2538477
Selenium	0.406		0.104	5	06/16/2025 04:00	WG2538477
Silver	ND		0.522	5	06/16/2025 04:00	WG2538477
Zinc	ND		52.2	5	06/16/2025 04:00	WG2538477

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		2.72	25	06/13/2025 20:41	WG2538252
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	98.4		77.0-120		06/13/2025 20:41	WG2538252

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0544	1	06/14/2025 00:50	WG2538238
Acrylonitrile	ND		0.0136	1	06/14/2025 00:50	WG2538238
Benzene	ND		0.00109	1	06/14/2025 00:50	WG2538238
Bromobenzene	ND		0.0136	1	06/14/2025 00:50	WG2538238
Bromodichloromethane	ND		0.00272	1	06/14/2025 00:50	WG2538238
Bromoform	ND		0.0272	1	06/14/2025 00:50	WG2538238
Bromomethane	ND	C3	0.0136	1	06/14/2025 00:50	WG2538238
n-Butylbenzene	ND		0.0136	1	06/14/2025 00:50	WG2538238
sec-Butylbenzene	ND		0.0136	1	06/14/2025 00:50	WG2538238
tert-Butylbenzene	ND		0.00544	1	06/14/2025 00:50	WG2538238
Carbon tetrachloride	ND		0.00544	1	06/14/2025 00:50	WG2538238
Chlorobenzene	ND		0.00272	1	06/14/2025 00:50	WG2538238
Chlorodibromomethane	ND		0.00272	1	06/14/2025 00:50	WG2538238

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND		0.00544	1	06/14/2025 00:50	WG2538238
Chloroform	ND		0.00272	1	06/14/2025 00:50	WG2538238
Chloromethane	ND		0.0136	1	06/14/2025 00:50	WG2538238
2-Chlorotoluene	ND		0.00272	1	06/14/2025 00:50	WG2538238
4-Chlorotoluene	ND		0.00544	1	06/14/2025 00:50	WG2538238
1,2-Dibromo-3-Chloropropane	ND		0.0272	1	06/14/2025 00:50	WG2538238
1,2-Dibromoethane	ND		0.00272	1	06/14/2025 00:50	WG2538238
Dibromomethane	ND		0.00544	1	06/14/2025 00:50	WG2538238
1,2-Dichlorobenzene	ND		0.00544	1	06/14/2025 00:50	WG2538238
1,3-Dichlorobenzene	ND		0.00544	1	06/14/2025 00:50	WG2538238
1,4-Dichlorobenzene	ND		0.00544	1	06/14/2025 00:50	WG2538238
Dichlorodifluoromethane	ND		0.00544	1	06/14/2025 00:50	WG2538238
1,1-Dichloroethane	ND		0.00272	1	06/14/2025 00:50	WG2538238
1,2-Dichloroethane	ND		0.00272	1	06/14/2025 00:50	WG2538238
1,1-Dichloroethene	ND		0.00272	1	06/14/2025 00:50	WG2538238
cis-1,2-Dichloroethene	ND		0.00272	1	06/14/2025 00:50	WG2538238
trans-1,2-Dichloroethene	ND		0.00544	1	06/14/2025 00:50	WG2538238
1,2-Dichloropropane	ND		0.00544	1	06/14/2025 00:50	WG2538238
1,1-Dichloropropene	ND		0.00272	1	06/14/2025 00:50	WG2538238
1,3-Dichloropropane	ND		0.00544	1	06/14/2025 00:50	WG2538238
cis-1,3-Dichloropropene	ND		0.00272	1	06/14/2025 00:50	WG2538238
trans-1,3-Dichloropropene	ND		0.00544	1	06/14/2025 00:50	WG2538238
2,2-Dichloropropane	ND		0.00272	1	06/14/2025 00:50	WG2538238
Di-isopropyl ether	ND		0.00109	1	06/14/2025 00:50	WG2538238
Ethylbenzene	ND		0.0109	1	06/14/2025 00:50	WG2538238
Hexachloro-1,3-butadiene	ND		0.0272	1	06/14/2025 00:50	WG2538238
Isopropylbenzene	ND		0.00272	1	06/14/2025 00:50	WG2538238
p-Isopropyltoluene	ND		0.00544	1	06/14/2025 00:50	WG2538238
2-Butanone (MEK)	ND		0.109	1	06/14/2025 00:50	WG2538238
Methylene Chloride	ND		0.0272	1	06/14/2025 00:50	WG2538238
4-Methyl-2-pentanone (MIBK)	ND		0.0272	1	06/14/2025 00:50	WG2538238
Methyl tert-butyl ether	ND		0.00109	1	06/14/2025 00:50	WG2538238
n-Propylbenzene	ND		0.00544	1	06/14/2025 00:50	WG2538238
Styrene	ND		0.0136	1	06/14/2025 00:50	WG2538238
1,1,1,2-Tetrachloroethane	ND		0.00272	1	06/14/2025 00:50	WG2538238
1,1,2,2-Tetrachloroethane	ND		0.00272	1	06/14/2025 00:50	WG2538238
1,1,2-Trichlorotrifluoroethane	ND		0.00272	1	06/14/2025 00:50	WG2538238
Tetrachloroethene	ND		0.00272	1	06/14/2025 00:50	WG2538238
Toluene	ND		0.0109	1	06/14/2025 00:50	WG2538238
1,2,3-Trichlorobenzene	ND		0.0136	1	06/14/2025 00:50	WG2538238
1,2,4-Trichlorobenzene	ND		0.0136	1	06/14/2025 00:50	WG2538238
1,1,1-Trichloroethane	ND		0.00272	1	06/14/2025 00:50	WG2538238
1,1,2-Trichloroethane	ND		0.00272	1	06/14/2025 00:50	WG2538238
Trichloroethene	ND		0.00109	1	06/14/2025 00:50	WG2538238
Trichlorofluoromethane	ND		0.00272	1	06/14/2025 00:50	WG2538238
1,2,3-Trichloropropane	ND		0.0136	1	06/14/2025 00:50	WG2538238
1,2,3-Trimethylbenzene	ND		0.00544	1	06/14/2025 00:50	WG2538238
1,2,4-Trimethylbenzene	ND		0.00544	1	06/14/2025 00:50	WG2538238
1,3,5-Trimethylbenzene	ND		0.00544	1	06/14/2025 00:50	WG2538238
Vinyl chloride	ND		0.00272	1	06/14/2025 00:50	WG2538238
Xylenes, Total	ND		0.109	1	06/14/2025 00:50	WG2538238
(S) Toluene-d8	99.0		75.0-131		06/14/2025 00:50	WG2538238
(S) 4-Bromofluorobenzene	103		67.0-138		06/14/2025 00:50	WG2538238
(S) 1,2-Dichloroethane-d4	98.1		70.0-130		06/14/2025 00:50	WG2538238

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	10.9		4.18	1	06/17/2025 01:50	WG2538491
C28-C36 Motor Oil Range	115		4.18	1	06/17/2025 01:50	WG2538491
(S) o-Terphenyl	50.9		18.0-148		06/17/2025 01:50	WG2538491

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		0.0695	2	06/17/2025 14:15	WG2538475
Benzidine	ND	J4	3.49	2	06/17/2025 14:15	WG2538475
Benzo(g,h,i)perylene	ND		0.0695	2	06/17/2025 14:15	WG2538475
Bis(2-chlorethoxy)methane	ND		0.695	2	06/17/2025 14:15	WG2538475
Bis(2-chloroethyl)ether	ND		0.695	2	06/17/2025 14:15	WG2538475
2,2-Oxybis(1-Chloropropane)	ND		0.695	2	06/17/2025 14:15	WG2538475
4-Bromophenyl-phenylether	ND		0.695	2	06/17/2025 14:15	WG2538475
2-Chloronaphthalene	ND		0.0695	2	06/17/2025 14:15	WG2538475
4-Chlorophenyl-phenylether	ND		0.695	2	06/17/2025 14:15	WG2538475
1,2-Dichlorobenzene	ND		0.695	2	06/17/2025 14:15	WG2538475
1,3-Dichlorobenzene	ND		0.695	2	06/17/2025 14:15	WG2538475
1,4-Dichlorobenzene	ND		0.695	2	06/17/2025 14:15	WG2538475
3,3-Dichlorobenzidine	ND		0.695	2	06/17/2025 14:15	WG2538475
2,4-Dinitrotoluene	ND		0.695	2	06/17/2025 14:15	WG2538475
2,6-Dinitrotoluene	ND		0.695	2	06/17/2025 14:15	WG2538475
Hexachlorobenzene	ND		0.695	2	06/17/2025 14:15	WG2538475
Hexachloro-1,3-butadiene	ND		0.695	2	06/17/2025 14:15	WG2538475
Hexachlorocyclopentadiene	ND	C7	0.695	2	06/17/2025 14:15	WG2538475
Hexachloroethane	ND		0.695	2	06/17/2025 14:15	WG2538475
Isophorone	ND		0.695	2	06/17/2025 14:15	WG2538475
Nitrobenzene	ND		0.695	2	06/17/2025 14:15	WG2538475
n-Nitrosodimethylamine	ND		0.695	2	06/17/2025 14:15	WG2538475
n-Nitrosodiphenylamine	ND		0.695	2	06/17/2025 14:15	WG2538475
n-Nitrosodi-n-propylamine	ND		0.695	2	06/17/2025 14:15	WG2538475
Phenanthrene	ND		0.0695	2	06/17/2025 14:15	WG2538475
Benzylbutyl phthalate	ND		0.695	2	06/17/2025 14:15	WG2538475
Bis(2-ethylhexyl)phthalate	ND		0.695	2	06/17/2025 14:15	WG2538475
Di-n-butyl phthalate	ND		0.695	2	06/17/2025 14:15	WG2538475
Diethyl phthalate	ND		0.695	2	06/17/2025 14:15	WG2538475
Dimethyl phthalate	ND		0.695	2	06/17/2025 14:15	WG2538475
Di-n-octyl phthalate	ND		0.695	2	06/17/2025 14:15	WG2538475
1,2,4-Trichlorobenzene	ND		0.695	2	06/17/2025 14:15	WG2538475
4-Chloro-3-methylphenol	ND		0.695	2	06/17/2025 14:15	WG2538475
2-Chlorophenol	ND		0.695	2	06/17/2025 14:15	WG2538475
2,4-Dichlorophenol	ND		0.695	2	06/17/2025 14:15	WG2538475
2,4-Dimethylphenol	ND		0.695	2	06/17/2025 14:15	WG2538475
4,6-Dinitro-2-methylphenol	ND		0.695	2	06/17/2025 14:15	WG2538475
2,4-Dinitrophenol	ND		0.695	2	06/17/2025 14:15	WG2538475
2-Nitrophenol	ND		0.695	2	06/17/2025 14:15	WG2538475
4-Nitrophenol	ND	C3	0.695	2	06/17/2025 14:15	WG2538475
Pentachlorophenol	ND		0.695	2	06/17/2025 14:15	WG2538475
Phenol	ND		0.695	2	06/17/2025 14:15	WG2538475
2,4,6-Trichlorophenol	ND		0.695	2	06/17/2025 14:15	WG2538475
(S) 2-Fluorophenol	83.1		12.0-120		06/17/2025 14:15	WG2538475
(S) Phenol-d5	67.9		10.0-120		06/17/2025 14:15	WG2538475
(S) Nitrobenzene-d5	79.4		10.0-122		06/17/2025 14:15	WG2538475
(S) 2-Fluorobiphenyl	70.9		15.0-120		06/17/2025 14:15	WG2538475
(S) 2,4,6-Tribromophenol	81.3		10.0-127		06/17/2025 14:15	WG2538475
(S) p-Terphenyl-d14	83.7		10.0-120		06/17/2025 14:15	WG2538475

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
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Sample Narrative:

L1869427-08 WG2538475: Dilution due to matrix impact during extract concentration procedure.

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0345	1	06/16/2025 22:52	WG2538512
Acenaphthene	ND		0.0345	1	06/16/2025 22:52	WG2538512
Acenaphthylene	ND		0.0345	1	06/16/2025 22:52	WG2538512
Benzo(a)anthracene	ND		0.00627	1	06/16/2025 22:52	WG2538512
Benzo(a)pyrene	ND		0.0345	1	06/16/2025 22:52	WG2538512
Benzo(b)fluoranthene	ND		0.0345	1	06/16/2025 22:52	WG2538512
Benzo(g,h,i)perylene	ND		0.0345	1	06/16/2025 22:52	WG2538512
Benzo(k)fluoranthene	ND		0.0345	1	06/16/2025 22:52	WG2538512
Chrysene	ND		0.0345	1	06/16/2025 22:52	WG2538512
Dibenz(a,h)anthracene	ND		0.0345	1	06/16/2025 22:52	WG2538512
Fluoranthene	ND		0.0345	1	06/16/2025 22:52	WG2538512
Fluorene	ND		0.0345	1	06/16/2025 22:52	WG2538512
Indeno(1,2,3-cd)pyrene	ND		0.0345	1	06/16/2025 22:52	WG2538512
Naphthalene	ND		0.00313	1	06/16/2025 22:52	WG2538512
Phenanthrene	ND		0.0345	1	06/16/2025 22:52	WG2538512
Pyrene	ND		0.0345	1	06/16/2025 22:52	WG2538512
1-Methylnaphthalene	ND		0.00313	1	06/16/2025 22:52	WG2538512
2-Methylnaphthalene	ND		0.0125	1	06/16/2025 22:52	WG2538512
(S) p-Terphenyl-d14	104		23.0-120		06/16/2025 22:52	WG2538512
(S) Nitrobenzene-d5	105		14.0-149		06/16/2025 22:52	WG2538512
(S) 2-Fluorobiphenyl	105		34.0-125		06/16/2025 22:52	WG2538512

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0500	1	06/13/2025 20:05	WG2538285
Acrolein	ND	C3	0.0500	1	06/13/2025 20:05	WG2538285
Acrylonitrile	ND		0.0100	1	06/13/2025 20:05	WG2538285
Benzene	ND		0.00100	1	06/13/2025 20:05	WG2538285
Bromobenzene	ND		0.00100	1	06/13/2025 20:05	WG2538285
Bromodichloromethane	ND		0.00100	1	06/13/2025 20:05	WG2538285
Bromoform	ND		0.00100	1	06/13/2025 20:05	WG2538285
Bromomethane	ND		0.00500	1	06/13/2025 20:05	WG2538285
n-Butylbenzene	ND		0.00100	1	06/13/2025 20:05	WG2538285
sec-Butylbenzene	ND		0.00100	1	06/13/2025 20:05	WG2538285
tert-Butylbenzene	ND		0.00100	1	06/13/2025 20:05	WG2538285
Carbon tetrachloride	ND		0.00100	1	06/13/2025 20:05	WG2538285
Chlorobenzene	ND		0.00100	1	06/13/2025 20:05	WG2538285
Chlorodibromomethane	ND		0.00100	1	06/13/2025 20:05	WG2538285
Chloroethane	ND		0.00500	1	06/13/2025 20:05	WG2538285
Chloroform	ND		0.00500	1	06/13/2025 20:05	WG2538285
Chloromethane	ND	C3	0.00250	1	06/13/2025 20:05	WG2538285
2-Chlorotoluene	ND		0.00100	1	06/13/2025 20:05	WG2538285
4-Chlorotoluene	ND		0.00100	1	06/13/2025 20:05	WG2538285
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	06/13/2025 20:05	WG2538285
1,2-Dibromoethane	ND		0.00100	1	06/13/2025 20:05	WG2538285
Dibromomethane	ND		0.00100	1	06/13/2025 20:05	WG2538285
1,2-Dichlorobenzene	ND		0.00100	1	06/13/2025 20:05	WG2538285
1,3-Dichlorobenzene	ND		0.00100	1	06/13/2025 20:05	WG2538285
1,4-Dichlorobenzene	ND		0.00100	1	06/13/2025 20:05	WG2538285
Dichlorodifluoromethane	ND		0.00500	1	06/13/2025 20:05	WG2538285
1,1-Dichloroethane	ND		0.00100	1	06/13/2025 20:05	WG2538285
1,2-Dichloroethane	ND		0.00100	1	06/13/2025 20:05	WG2538285
1,1-Dichloroethene	ND		0.00100	1	06/13/2025 20:05	WG2538285
cis-1,2-Dichloroethene	ND		0.00100	1	06/13/2025 20:05	WG2538285
trans-1,2-Dichloroethene	ND		0.00100	1	06/13/2025 20:05	WG2538285
1,2-Dichloropropane	ND		0.00100	1	06/13/2025 20:05	WG2538285
1,1-Dichloropropene	ND		0.00100	1	06/13/2025 20:05	WG2538285
1,3-Dichloropropane	ND		0.00100	1	06/13/2025 20:05	WG2538285
cis-1,3-Dichloropropene	ND		0.00100	1	06/13/2025 20:05	WG2538285
trans-1,3-Dichloropropene	ND		0.00100	1	06/13/2025 20:05	WG2538285
2,2-Dichloropropane	ND		0.00100	1	06/13/2025 20:05	WG2538285
Di-isopropyl ether	ND		0.00100	1	06/13/2025 20:05	WG2538285
Ethylbenzene	ND		0.00100	1	06/13/2025 20:05	WG2538285
Hexachloro-1,3-butadiene	ND		0.00100	1	06/13/2025 20:05	WG2538285
Isopropylbenzene	ND		0.00100	1	06/13/2025 20:05	WG2538285
p-Isopropyltoluene	ND		0.00100	1	06/13/2025 20:05	WG2538285
2-Butanone (MEK)	ND	C3	0.0100	1	06/13/2025 20:05	WG2538285
Methylene Chloride	ND		0.00500	1	06/13/2025 20:05	WG2538285
4-Methyl-2-pentanone (MIBK)	ND	C3	0.0100	1	06/13/2025 20:05	WG2538285
Methyl tert-butyl ether	ND		0.00100	1	06/13/2025 20:05	WG2538285
Naphthalene	ND		0.00500	1	06/13/2025 20:05	WG2538285
n-Propylbenzene	ND		0.00100	1	06/13/2025 20:05	WG2538285
Styrene	ND		0.00100	1	06/13/2025 20:05	WG2538285
1,1,1,2-Tetrachloroethane	ND		0.00100	1	06/13/2025 20:05	WG2538285
1,1,2,2-Tetrachloroethane	ND		0.00100	1	06/13/2025 20:05	WG2538285
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	06/13/2025 20:05	WG2538285
Tetrachloroethene	ND		0.00100	1	06/13/2025 20:05	WG2538285
Toluene	ND		0.00100	1	06/13/2025 20:05	WG2538285
1,2,3-Trichlorobenzene	ND		0.00100	1	06/13/2025 20:05	WG2538285
1,2,4-Trichlorobenzene	ND		0.00100	1	06/13/2025 20:05	WG2538285

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00100	1	06/13/2025 20:05	WG2538285
1,1,2-Trichloroethane	ND		0.00100	1	06/13/2025 20:05	WG2538285
Trichloroethene	ND		0.00100	1	06/13/2025 20:05	WG2538285
Trichlorofluoromethane	ND		0.00500	1	06/13/2025 20:05	WG2538285
1,2,3-Trichloropropane	ND		0.00250	1	06/13/2025 20:05	WG2538285
1,2,4-Trimethylbenzene	ND		0.00100	1	06/13/2025 20:05	WG2538285
1,2,3-Trimethylbenzene	ND		0.00100	1	06/13/2025 20:05	WG2538285
1,3,5-Trimethylbenzene	ND		0.00100	1	06/13/2025 20:05	WG2538285
Vinyl chloride	ND		0.00100	1	06/13/2025 20:05	WG2538285
Xylenes, Total	ND		0.00300	1	06/13/2025 20:05	WG2538285
(S) Toluene-d8	101		80.0-120		06/13/2025 20:05	WG2538285
(S) 4-Bromofluorobenzene	97.9		77.0-126		06/13/2025 20:05	WG2538285
(S) 1,2-Dichloroethane-d4	96.1		70.0-130		06/13/2025 20:05	WG2538285

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	4.96		1	06/20/2025 10:56	WG2540937

1
Cp

2
Tc

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1500		127	1	06/17/2025 13:34	WG2538422

3
Ss

4
Cn

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	78.7		1	06/13/2025 19:53	WG2538345

5
Ds

6
Sr

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND	J5	12.7	1	06/17/2025 01:40	WG2538429

7
Qc

8
Gl

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1260		127	5	06/17/2025 13:34	WG2539790

9
Al

10
Sc

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND	J6	0.254	1	06/26/2025 05:48	WG2538833

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.64		1	06/21/2025 10:11	WG2543012

Sample Narrative:

L1869427-10 WG2543012: 7.64 at 23C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	4230	umhos/cm		10.0	1	06/23/2025 18:29	WG2543045

Sample Narrative:

L1869427-10 WG2543045: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND	V	254	10	06/14/2025 18:46	WG2538422

Sample Narrative:

L1869427-10 WG2538422: Dilution due to matrix impact on instrumentation at lower dilution

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	11700		500	5	06/17/2025 18:21	WG2538557

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.637		0.200	1	06/19/2025 13:34	WG2540950

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	6430	J3 V	25.4	1	06/14/2025 13:29	WG2538469
Antimony	ND	J3 J6	2.54	1	06/14/2025 13:29	WG2538469
Beryllium	0.609		0.254	1	06/14/2025 13:29	WG2538469
Calcium	8940	V	127	1	06/14/2025 13:29	WG2538469
Chromium	6.40		1.27	1	06/14/2025 13:29	WG2538469
Cobalt	4.14		1.27	1	06/14/2025 13:29	WG2538469
Iron	8110	O1 V	12.7	1	06/14/2025 13:29	WG2538469
Magnesium	2760		127	1	06/14/2025 13:29	WG2538469
Manganese	252		1.27	1	06/14/2025 13:29	WG2538469
Potassium	3390	J6	127	1	06/14/2025 13:29	WG2538469
Sodium	659		127	1	06/14/2025 13:29	WG2538469
Thallium	ND		2.54	1	06/14/2025 13:29	WG2538469
Vanadium	15.5		2.54	1	06/14/2025 13:29	WG2538469

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.95		0.127	5	06/16/2025 03:20	WG2538477
Barium	116		12.7	5	06/16/2025 03:20	WG2538477
Cadmium	0.201		0.127	5	06/16/2025 03:20	WG2538477
Copper	ND		12.7	5	06/16/2025 03:20	WG2538477
Lead	ND		12.7	5	06/16/2025 03:20	WG2538477
Nickel	ND		12.7	5	06/16/2025 03:20	WG2538477
Selenium	0.450		0.127	5	06/16/2025 03:20	WG2538477
Silver	ND		0.635	5	06/16/2025 03:20	WG2538477
Zinc	ND		63.5	5	06/16/2025 03:20	WG2538477

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		3.85	25	06/13/2025 21:40	WG2538252
(S) <i>α,α,α</i> -Trifluorotoluene(FID)	98.6		77.0-120		06/13/2025 21:40	WG2538252

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0771	1	06/14/2025 01:10	WG2538238
Acrylonitrile	ND		0.0193	1	06/14/2025 01:10	WG2538238
Benzene	ND		0.00154	1	06/14/2025 01:10	WG2538238
Bromobenzene	ND		0.0193	1	06/14/2025 01:10	WG2538238
Bromodichloromethane	ND		0.00385	1	06/14/2025 01:10	WG2538238
Bromoform	ND		0.0385	1	06/14/2025 01:10	WG2538238
Bromomethane	ND	C3	0.0193	1	06/14/2025 01:10	WG2538238
n-Butylbenzene	ND		0.0193	1	06/14/2025 01:10	WG2538238

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
sec-Butylbenzene	ND		0.0193	1	06/14/2025 01:10	WG2538238
tert-Butylbenzene	ND		0.00771	1	06/14/2025 01:10	WG2538238
Carbon tetrachloride	ND		0.00771	1	06/14/2025 01:10	WG2538238
Chlorobenzene	ND		0.00385	1	06/14/2025 01:10	WG2538238
Chlorodibromomethane	ND		0.00385	1	06/14/2025 01:10	WG2538238
Chloroethane	ND		0.00771	1	06/14/2025 01:10	WG2538238
Chloroform	ND		0.00385	1	06/14/2025 01:10	WG2538238
Chloromethane	ND		0.0193	1	06/14/2025 01:10	WG2538238
2-Chlorotoluene	ND		0.00385	1	06/14/2025 01:10	WG2538238
4-Chlorotoluene	ND		0.00771	1	06/14/2025 01:10	WG2538238
1,2-Dibromo-3-Chloropropane	ND		0.0385	1	06/14/2025 01:10	WG2538238
1,2-Dibromoethane	ND		0.00385	1	06/14/2025 01:10	WG2538238
Dibromomethane	ND		0.00771	1	06/14/2025 01:10	WG2538238
1,2-Dichlorobenzene	ND		0.00771	1	06/14/2025 01:10	WG2538238
1,3-Dichlorobenzene	ND		0.00771	1	06/14/2025 01:10	WG2538238
1,4-Dichlorobenzene	ND		0.00771	1	06/14/2025 01:10	WG2538238
Dichlorodifluoromethane	ND		0.00771	1	06/14/2025 01:10	WG2538238
1,1-Dichloroethane	ND		0.00385	1	06/14/2025 01:10	WG2538238
1,2-Dichloroethane	ND		0.00385	1	06/14/2025 01:10	WG2538238
1,1-Dichloroethene	ND		0.00385	1	06/14/2025 01:10	WG2538238
cis-1,2-Dichloroethene	ND		0.00385	1	06/14/2025 01:10	WG2538238
trans-1,2-Dichloroethene	ND		0.00771	1	06/14/2025 01:10	WG2538238
1,2-Dichloropropane	ND		0.00771	1	06/14/2025 01:10	WG2538238
1,1-Dichloropropene	ND		0.00385	1	06/14/2025 01:10	WG2538238
1,3-Dichloropropane	ND		0.00771	1	06/14/2025 01:10	WG2538238
cis-1,3-Dichloropropene	ND		0.00385	1	06/14/2025 01:10	WG2538238
trans-1,3-Dichloropropene	ND		0.00771	1	06/14/2025 01:10	WG2538238
2,2-Dichloropropane	ND		0.00385	1	06/14/2025 01:10	WG2538238
Di-isopropyl ether	ND		0.00154	1	06/14/2025 01:10	WG2538238
Ethylbenzene	ND		0.0154	1	06/14/2025 01:10	WG2538238
Hexachloro-1,3-butadiene	ND		0.0385	1	06/14/2025 01:10	WG2538238
Isopropylbenzene	ND		0.00385	1	06/14/2025 01:10	WG2538238
p-Isopropyltoluene	ND		0.00771	1	06/14/2025 01:10	WG2538238
2-Butanone (MEK)	ND		0.154	1	06/14/2025 01:10	WG2538238
Methylene Chloride	ND		0.0385	1	06/14/2025 01:10	WG2538238
4-Methyl-2-pentanone (MIBK)	ND		0.0385	1	06/14/2025 01:10	WG2538238
Methyl tert-butyl ether	ND		0.00154	1	06/14/2025 01:10	WG2538238
n-Propylbenzene	ND		0.00771	1	06/14/2025 01:10	WG2538238
Styrene	ND		0.0193	1	06/14/2025 01:10	WG2538238
1,1,1,2-Tetrachloroethane	ND		0.00385	1	06/14/2025 01:10	WG2538238
1,1,2,2-Tetrachloroethane	ND		0.00385	1	06/14/2025 01:10	WG2538238
1,1,2-Trichlorotrifluoroethane	ND		0.00385	1	06/14/2025 01:10	WG2538238
Tetrachloroethene	ND		0.00385	1	06/14/2025 01:10	WG2538238
Toluene	ND		0.0154	1	06/14/2025 01:10	WG2538238
1,2,3-Trichlorobenzene	ND		0.0193	1	06/14/2025 01:10	WG2538238
1,2,4-Trichlorobenzene	ND		0.0193	1	06/14/2025 01:10	WG2538238
1,1,1-Trichloroethane	ND		0.00385	1	06/14/2025 01:10	WG2538238
1,1,2-Trichloroethane	ND		0.00385	1	06/14/2025 01:10	WG2538238
Trichloroethene	ND		0.00154	1	06/14/2025 01:10	WG2538238
Trichlorofluoromethane	ND		0.00385	1	06/14/2025 01:10	WG2538238
1,2,3-Trichloropropane	ND		0.0193	1	06/14/2025 01:10	WG2538238
1,2,3-Trimethylbenzene	ND		0.00771	1	06/14/2025 01:10	WG2538238
1,2,4-Trimethylbenzene	ND		0.00771	1	06/14/2025 01:10	WG2538238
1,3,5-Trimethylbenzene	ND		0.00771	1	06/14/2025 01:10	WG2538238
Vinyl chloride	ND		0.00385	1	06/14/2025 01:10	WG2538238
Xylenes, Total	ND		0.154	1	06/14/2025 01:10	WG2538238



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) Toluene-d8	98.1		75.0-131		06/14/2025 01:10	WG2538238
(S) 4-Bromofluorobenzene	98.4		67.0-138		06/14/2025 01:10	WG2538238
(S) 1,2-Dichloroethane-d4	101		70.0-130		06/14/2025 01:10	WG2538238

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	9.59	J6	5.08	1	06/17/2025 00:59	WG2538491
C28-C36 Motor Oil Range	35.8		5.08	1	06/17/2025 00:59	WG2538491
(S) o-Terphenyl	40.6		18.0-148		06/17/2025 00:59	WG2538491

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		0.0846	2	06/17/2025 13:10	WG2538475
Benzidine	ND	J4 J6	4.24	2	06/17/2025 13:10	WG2538475
Benzo(g,h,i)perylene	ND		0.0846	2	06/17/2025 13:10	WG2538475
Bis(2-chlorethoxy)methane	ND		0.846	2	06/17/2025 13:10	WG2538475
Bis(2-chloroethyl)ether	ND		0.846	2	06/17/2025 13:10	WG2538475
2,2-Oxybis(1-Chloropropane)	ND		0.846	2	06/17/2025 13:10	WG2538475
4-Bromophenyl-phenylether	ND		0.846	2	06/17/2025 13:10	WG2538475
2-Chloronaphthalene	ND		0.0846	2	06/17/2025 13:10	WG2538475
4-Chlorophenyl-phenylether	ND		0.846	2	06/17/2025 13:10	WG2538475
1,2-Dichlorobenzene	ND		0.846	2	06/17/2025 13:10	WG2538475
1,3-Dichlorobenzene	ND		0.846	2	06/17/2025 13:10	WG2538475
1,4-Dichlorobenzene	ND		0.846	2	06/17/2025 13:10	WG2538475
3,3-Dichlorobenzidine	ND		0.846	2	06/17/2025 13:10	WG2538475
2,4-Dinitrotoluene	ND		0.846	2	06/17/2025 13:10	WG2538475
2,6-Dinitrotoluene	ND		0.846	2	06/17/2025 13:10	WG2538475
Hexachlorobenzene	ND		0.846	2	06/17/2025 13:10	WG2538475
Hexachloro-1,3-butadiene	ND		0.846	2	06/17/2025 13:10	WG2538475
Hexachlorocyclopentadiene	ND	C7 J6	0.846	2	06/17/2025 13:10	WG2538475
Hexachloroethane	ND		0.846	2	06/17/2025 13:10	WG2538475
Isophorone	ND		0.846	2	06/17/2025 13:10	WG2538475
Nitrobenzene	ND	J3 J6	0.846	2	06/17/2025 13:10	WG2538475
n-Nitrosodimethylamine	ND		0.846	2	06/17/2025 13:10	WG2538475
n-Nitrosodiphenylamine	ND		0.846	2	06/17/2025 13:10	WG2538475
n-Nitrosodi-n-propylamine	ND		0.846	2	06/17/2025 13:10	WG2538475
Phenanthrene	ND		0.0846	2	06/17/2025 13:10	WG2538475
Benzylbutyl phthalate	ND		0.846	2	06/17/2025 13:10	WG2538475
Bis(2-ethylhexyl)phthalate	ND		0.846	2	06/17/2025 13:10	WG2538475
Di-n-butyl phthalate	ND		0.846	2	06/17/2025 13:10	WG2538475
Diethyl phthalate	ND		0.846	2	06/17/2025 13:10	WG2538475
Dimethyl phthalate	ND		0.846	2	06/17/2025 13:10	WG2538475
Di-n-octyl phthalate	ND		0.846	2	06/17/2025 13:10	WG2538475
1,2,4-Trichlorobenzene	ND		0.846	2	06/17/2025 13:10	WG2538475
4-Chloro-3-methylphenol	ND		0.846	2	06/17/2025 13:10	WG2538475
2-Chlorophenol	ND		0.846	2	06/17/2025 13:10	WG2538475
2,4-Dichlorophenol	ND		0.846	2	06/17/2025 13:10	WG2538475
2,4-Dimethylphenol	ND		0.846	2	06/17/2025 13:10	WG2538475
4,6-Dinitro-2-methylphenol	ND		0.846	2	06/17/2025 13:10	WG2538475
2,4-Dinitrophenol	ND		0.846	2	06/17/2025 13:10	WG2538475
2-Nitrophenol	ND		0.846	2	06/17/2025 13:10	WG2538475
4-Nitrophenol	ND	C3 J3	0.846	2	06/17/2025 13:10	WG2538475
Pentachlorophenol	ND		0.846	2	06/17/2025 13:10	WG2538475

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Phenol	ND		0.846	2	06/17/2025 13:10	WG2538475
2,4,6-Trichlorophenol	ND		0.846	2	06/17/2025 13:10	WG2538475
(S) 2-Fluorophenol	68.0		12.0-120		06/17/2025 13:10	WG2538475
(S) Phenol-d5	65.1		10.0-120		06/17/2025 13:10	WG2538475
(S) Nitrobenzene-d5	84.7		10.0-122		06/17/2025 13:10	WG2538475
(S) 2-Fluorobiphenyl	75.7		15.0-120		06/17/2025 13:10	WG2538475
(S) 2,4,6-Tribromophenol	95.3		10.0-127		06/17/2025 13:10	WG2538475
(S) p-Terphenyl-d14	71.3		10.0-120		06/17/2025 13:10	WG2538475

Sample Narrative:

L1869427-10 WG2538475: Dilution due to matrix impact during extract concentration procedure.

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0419	1	06/16/2025 20:58	WG2538513
Acenaphthene	ND	J3	0.0419	1	06/16/2025 20:58	WG2538513
Acenaphthylene	ND		0.0419	1	06/16/2025 20:58	WG2538513
Benzo(a)anthracene	ND		0.00762	1	06/16/2025 20:58	WG2538513
Benzo(a)pyrene	ND		0.0419	1	06/16/2025 20:58	WG2538513
Benzo(b)fluoranthene	ND		0.0419	1	06/16/2025 20:58	WG2538513
Benzo(g,h,i)perylene	ND		0.0419	1	06/16/2025 20:58	WG2538513
Benzo(k)fluoranthene	ND		0.0419	1	06/16/2025 20:58	WG2538513
Chrysene	ND		0.0419	1	06/16/2025 20:58	WG2538513
Dibenz(a,h)anthracene	ND		0.0419	1	06/16/2025 20:58	WG2538513
Fluoranthene	ND		0.0419	1	06/16/2025 20:58	WG2538513
Fluorene	ND		0.0419	1	06/16/2025 20:58	WG2538513
Indeno(1,2,3-cd)pyrene	ND		0.0419	1	06/16/2025 20:58	WG2538513
Naphthalene	ND	J3 J5	0.00381	1	06/16/2025 20:58	WG2538513
Phenanthrene	ND	J3	0.0419	1	06/16/2025 20:58	WG2538513
Pyrene	ND		0.0419	1	06/16/2025 20:58	WG2538513
1-Methylnaphthalene	ND	J3	0.00381	1	06/16/2025 20:58	WG2538513
2-Methylnaphthalene	ND	J3 J5	0.0152	1	06/16/2025 20:58	WG2538513
(S) p-Terphenyl-d14	44.2		23.0-120		06/16/2025 20:58	WG2538513
(S) Nitrobenzene-d5	37.9		14.0-149		06/16/2025 20:58	WG2538513
(S) 2-Fluorobiphenyl	44.0		34.0-125		06/16/2025 20:58	WG2538513

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.866		1	06/20/2025 10:59	WG2540937

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	2890		28.6	1	06/17/2025 13:10	WG2538422

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	69.9		1	06/13/2025 19:53	WG2538345

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		14.3	1	06/17/2025 01:44	WG2538429

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	2890		143	5	06/17/2025 13:10	WG2539790

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.286	1	06/26/2025 06:33	WG2538833

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.41		1	06/21/2025 10:11	WG2543012

Sample Narrative:

L1869427-11 WG2543012: 7.41 at 22.8C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	900	umhos/cm		10.0	1	06/23/2025 18:29	WG2543045

Sample Narrative:

L1869427-11 WG2543045: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		28.6	1	06/14/2025 19:35	WG2538422

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	22600		500	5	06/17/2025 18:21	WG2538557

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.30		0.200	1	06/19/2025 13:36	WG2540950

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	5390		28.6	1	06/14/2025 14:07	WG2538469
Antimony	ND		2.86	1	06/14/2025 14:07	WG2538469
Beryllium	0.557		0.286	1	06/14/2025 14:07	WG2538469
Calcium	5690		143	1	06/14/2025 14:07	WG2538469
Chromium	6.51		1.43	1	06/14/2025 14:07	WG2538469
Cobalt	4.23		1.43	1	06/14/2025 14:07	WG2538469
Iron	9670		14.3	1	06/14/2025 14:07	WG2538469
Magnesium	2590		143	1	06/14/2025 14:07	WG2538469
Manganese	317		1.43	1	06/14/2025 14:07	WG2538469
Potassium	2470		143	1	06/14/2025 14:07	WG2538469
Sodium	151		143	1	06/14/2025 14:07	WG2538469
Thallium	ND		2.86	1	06/14/2025 14:07	WG2538469
Vanadium	15.1		2.86	1	06/14/2025 14:07	WG2538469

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.36		0.143	5	06/16/2025 04:03	WG2538477
Barium	80.6		14.3	5	06/16/2025 04:03	WG2538477
Cadmium	0.288		0.143	5	06/16/2025 04:03	WG2538477
Copper	60.6		14.3	5	06/16/2025 04:03	WG2538477
Lead	ND		14.3	5	06/16/2025 04:03	WG2538477
Nickel	ND		14.3	5	06/16/2025 04:03	WG2538477
Selenium	0.441		0.143	5	06/16/2025 04:03	WG2538477
Silver	ND		0.715	5	06/16/2025 04:03	WG2538477
Zinc	ND		71.5	5	06/16/2025 04:03	WG2538477

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		4.65	25	06/13/2025 22:01	WG2538252
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	97.9		77.0-120		06/13/2025 22:01	WG2538252

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0931	1	06/14/2025 01:30	WG2538238
Acrylonitrile	ND		0.0233	1	06/14/2025 01:30	WG2538238
Benzene	ND		0.00186	1	06/14/2025 01:30	WG2538238
Bromobenzene	ND		0.0233	1	06/14/2025 01:30	WG2538238
Bromodichloromethane	ND		0.00465	1	06/14/2025 01:30	WG2538238
Bromoform	ND		0.0465	1	06/14/2025 01:30	WG2538238
Bromomethane	ND	C3	0.0233	1	06/14/2025 01:30	WG2538238
n-Butylbenzene	ND		0.0233	1	06/14/2025 01:30	WG2538238
sec-Butylbenzene	ND		0.0233	1	06/14/2025 01:30	WG2538238
tert-Butylbenzene	ND		0.00931	1	06/14/2025 01:30	WG2538238
Carbon tetrachloride	ND		0.00931	1	06/14/2025 01:30	WG2538238
Chlorobenzene	ND		0.00465	1	06/14/2025 01:30	WG2538238
Chlorodibromomethane	ND		0.00465	1	06/14/2025 01:30	WG2538238

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND		0.00931	1	06/14/2025 01:30	WG2538238
Chloroform	ND		0.00465	1	06/14/2025 01:30	WG2538238
Chloromethane	ND		0.0233	1	06/14/2025 01:30	WG2538238
2-Chlorotoluene	ND		0.00465	1	06/14/2025 01:30	WG2538238
4-Chlorotoluene	ND		0.00931	1	06/14/2025 01:30	WG2538238
1,2-Dibromo-3-Chloropropane	ND		0.0465	1	06/14/2025 01:30	WG2538238
1,2-Dibromoethane	ND		0.00465	1	06/14/2025 01:30	WG2538238
Dibromomethane	ND		0.00931	1	06/14/2025 01:30	WG2538238
1,2-Dichlorobenzene	ND		0.00931	1	06/14/2025 01:30	WG2538238
1,3-Dichlorobenzene	ND		0.00931	1	06/14/2025 01:30	WG2538238
1,4-Dichlorobenzene	ND		0.00931	1	06/14/2025 01:30	WG2538238
Dichlorodifluoromethane	ND		0.00931	1	06/14/2025 01:30	WG2538238
1,1-Dichloroethane	ND		0.00465	1	06/14/2025 01:30	WG2538238
1,2-Dichloroethane	ND		0.00465	1	06/14/2025 01:30	WG2538238
1,1-Dichloroethene	ND		0.00465	1	06/14/2025 01:30	WG2538238
cis-1,2-Dichloroethene	ND		0.00465	1	06/14/2025 01:30	WG2538238
trans-1,2-Dichloroethene	ND		0.00931	1	06/14/2025 01:30	WG2538238
1,2-Dichloropropane	ND		0.00931	1	06/14/2025 01:30	WG2538238
1,1-Dichloropropene	ND		0.00465	1	06/14/2025 01:30	WG2538238
1,3-Dichloropropane	ND		0.00931	1	06/14/2025 01:30	WG2538238
cis-1,3-Dichloropropene	ND		0.00465	1	06/14/2025 01:30	WG2538238
trans-1,3-Dichloropropene	ND		0.00931	1	06/14/2025 01:30	WG2538238
2,2-Dichloropropane	ND		0.00465	1	06/14/2025 01:30	WG2538238
Di-isopropyl ether	ND		0.00186	1	06/14/2025 01:30	WG2538238
Ethylbenzene	ND		0.0186	1	06/14/2025 01:30	WG2538238
Hexachloro-1,3-butadiene	ND		0.0465	1	06/14/2025 01:30	WG2538238
Isopropylbenzene	ND		0.00465	1	06/14/2025 01:30	WG2538238
p-Isopropyltoluene	ND		0.00931	1	06/14/2025 01:30	WG2538238
2-Butanone (MEK)	ND		0.186	1	06/14/2025 01:30	WG2538238
Methylene Chloride	ND		0.0465	1	06/14/2025 01:30	WG2538238
4-Methyl-2-pentanone (MIBK)	ND		0.0465	1	06/14/2025 01:30	WG2538238
Methyl tert-butyl ether	ND		0.00186	1	06/14/2025 01:30	WG2538238
n-Propylbenzene	ND		0.00931	1	06/14/2025 01:30	WG2538238
Styrene	ND		0.0233	1	06/14/2025 01:30	WG2538238
1,1,1,2-Tetrachloroethane	ND		0.00465	1	06/14/2025 01:30	WG2538238
1,1,2,2-Tetrachloroethane	ND		0.00465	1	06/14/2025 01:30	WG2538238
1,1,2-Trichlorotrifluoroethane	ND		0.00465	1	06/14/2025 01:30	WG2538238
Tetrachloroethene	ND		0.00465	1	06/14/2025 01:30	WG2538238
Toluene	ND		0.0186	1	06/14/2025 01:30	WG2538238
1,2,3-Trichlorobenzene	ND		0.0233	1	06/14/2025 01:30	WG2538238
1,2,4-Trichlorobenzene	ND		0.0233	1	06/14/2025 01:30	WG2538238
1,1,1-Trichloroethane	ND		0.00465	1	06/14/2025 01:30	WG2538238
1,1,2-Trichloroethane	ND		0.00465	1	06/14/2025 01:30	WG2538238
Trichloroethene	ND		0.00186	1	06/14/2025 01:30	WG2538238
Trichlorofluoromethane	ND		0.00465	1	06/14/2025 01:30	WG2538238
1,2,3-Trichloropropane	ND		0.0233	1	06/14/2025 01:30	WG2538238
1,2,3-Trimethylbenzene	ND		0.00931	1	06/14/2025 01:30	WG2538238
1,2,4-Trimethylbenzene	ND		0.00931	1	06/14/2025 01:30	WG2538238
1,3,5-Trimethylbenzene	ND		0.00931	1	06/14/2025 01:30	WG2538238
Vinyl chloride	ND		0.00465	1	06/14/2025 01:30	WG2538238
Xylenes, Total	ND		0.186	1	06/14/2025 01:30	WG2538238
(S) Toluene-d8	97.8		75.0-131		06/14/2025 01:30	WG2538238
(S) 4-Bromofluorobenzene	97.1		67.0-138		06/14/2025 01:30	WG2538238
(S) 1,2-Dichloroethane-d4	97.9		70.0-130		06/14/2025 01:30	WG2538238



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	6.91		5.72	1	06/17/2025 00:21	WG2538491
C28-C36 Motor Oil Range	56.5		5.72	1	06/17/2025 00:21	WG2538491
(S) o-Terphenyl	41.6		18.0-148		06/17/2025 00:21	WG2538491

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		0.0953	2	06/17/2025 14:36	WG2538475
Benzidine	ND	J4	4.78	2	06/17/2025 14:36	WG2538475
Benzo(g,h,i)perylene	ND		0.0953	2	06/17/2025 14:36	WG2538475
Bis(2-chlorethoxy)methane	ND		0.953	2	06/17/2025 14:36	WG2538475
Bis(2-chloroethyl)ether	ND		0.953	2	06/17/2025 14:36	WG2538475
2,2-Oxybis(1-Chloropropane)	ND		0.953	2	06/17/2025 14:36	WG2538475
4-Bromophenyl-phenylether	ND		0.953	2	06/17/2025 14:36	WG2538475
2-Chloronaphthalene	ND		0.0953	2	06/17/2025 14:36	WG2538475
4-Chlorophenyl-phenylether	ND		0.953	2	06/17/2025 14:36	WG2538475
1,2-Dichlorobenzene	ND		0.953	2	06/17/2025 14:36	WG2538475
1,3-Dichlorobenzene	ND		0.953	2	06/17/2025 14:36	WG2538475
1,4-Dichlorobenzene	ND		0.953	2	06/17/2025 14:36	WG2538475
3,3-Dichlorobenzidine	ND		0.953	2	06/17/2025 14:36	WG2538475
2,4-Dinitrotoluene	ND		0.953	2	06/17/2025 14:36	WG2538475
2,6-Dinitrotoluene	ND		0.953	2	06/17/2025 14:36	WG2538475
Hexachlorobenzene	ND		0.953	2	06/17/2025 14:36	WG2538475
Hexachloro-1,3-butadiene	ND		0.953	2	06/17/2025 14:36	WG2538475
Hexachlorocyclopentadiene	ND	C7	0.953	2	06/17/2025 14:36	WG2538475
Hexachloroethane	ND		0.953	2	06/17/2025 14:36	WG2538475
Isophorone	ND		0.953	2	06/17/2025 14:36	WG2538475
Nitrobenzene	ND		0.953	2	06/17/2025 14:36	WG2538475
n-Nitrosodimethylamine	ND		0.953	2	06/17/2025 14:36	WG2538475
n-Nitrosodiphenylamine	ND		0.953	2	06/17/2025 14:36	WG2538475
n-Nitrosodi-n-propylamine	ND		0.953	2	06/17/2025 14:36	WG2538475
Phenanthrene	ND		0.0953	2	06/17/2025 14:36	WG2538475
Benzylbutyl phtalate	ND		0.953	2	06/17/2025 14:36	WG2538475
Bis(2-ethylhexyl)phtalate	ND		0.953	2	06/17/2025 14:36	WG2538475
Di-n-butyl phtalate	ND		0.953	2	06/17/2025 14:36	WG2538475
Diethyl phtalate	ND		0.953	2	06/17/2025 14:36	WG2538475
Dimethyl phtalate	ND		0.953	2	06/17/2025 14:36	WG2538475
Di-n-octyl phtalate	ND		0.953	2	06/17/2025 14:36	WG2538475
1,2,4-Trichlorobenzene	ND		0.953	2	06/17/2025 14:36	WG2538475
4-Chloro-3-methylphenol	ND		0.953	2	06/17/2025 14:36	WG2538475
2-Chlorophenol	ND		0.953	2	06/17/2025 14:36	WG2538475
2,4-Dichlorophenol	ND		0.953	2	06/17/2025 14:36	WG2538475
2,4-Dimethylphenol	ND		0.953	2	06/17/2025 14:36	WG2538475
4,6-Dinitro-2-methylphenol	ND		0.953	2	06/17/2025 14:36	WG2538475
2,4-Dinitrophenol	ND		0.953	2	06/17/2025 14:36	WG2538475
2-Nitrophenol	ND		0.953	2	06/17/2025 14:36	WG2538475
4-Nitrophenol	ND	C3	0.953	2	06/17/2025 14:36	WG2538475
Pentachlorophenol	ND		0.953	2	06/17/2025 14:36	WG2538475
Phenol	ND		0.953	2	06/17/2025 14:36	WG2538475
2,4,6-Trichlorophenol	ND		0.953	2	06/17/2025 14:36	WG2538475
(S) 2-Fluorophenol	76.2		12.0-120		06/17/2025 14:36	WG2538475
(S) Phenol-d5	68.8		10.0-120		06/17/2025 14:36	WG2538475
(S) Nitrobenzene-d5	88.3		10.0-122		06/17/2025 14:36	WG2538475
(S) 2-Fluorobiphenyl	77.1		15.0-120		06/17/2025 14:36	WG2538475
(S) 2,4,6-Tribromophenol	107		10.0-127		06/17/2025 14:36	WG2538475
(S) p-Terphenyl-d14	79.2		10.0-120		06/17/2025 14:36	WG2538475

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
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Sample Narrative:

L1869427-11 WG2538475: Dilution due to matrix impact during extract concentration procedure.

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0472	1	06/16/2025 23:11	WG2538512
Acenaphthene	ND		0.0472	1	06/16/2025 23:11	WG2538512
Acenaphthylene	ND		0.0472	1	06/16/2025 23:11	WG2538512
Benzo(a)anthracene	ND		0.00858	1	06/16/2025 23:11	WG2538512
Benzo(a)pyrene	ND		0.0472	1	06/16/2025 23:11	WG2538512
Benzo(b)fluoranthene	ND		0.0472	1	06/16/2025 23:11	WG2538512
Benzo(g,h,i)perylene	ND		0.0472	1	06/16/2025 23:11	WG2538512
Benzo(k)fluoranthene	ND		0.0472	1	06/16/2025 23:11	WG2538512
Chrysene	ND		0.0472	1	06/16/2025 23:11	WG2538512
Dibenz(a,h)anthracene	ND		0.0472	1	06/16/2025 23:11	WG2538512
Fluoranthene	ND		0.0472	1	06/16/2025 23:11	WG2538512
Fluorene	ND		0.0472	1	06/16/2025 23:11	WG2538512
Indeno(1,2,3-cd)pyrene	ND		0.0472	1	06/16/2025 23:11	WG2538512
Naphthalene	ND		0.00429	1	06/16/2025 23:11	WG2538512
Phenanthrene	ND		0.0472	1	06/16/2025 23:11	WG2538512
Pyrene	ND		0.0472	1	06/16/2025 23:11	WG2538512
1-Methylnaphthalene	ND		0.00429	1	06/16/2025 23:11	WG2538512
2-Methylnaphthalene	ND		0.0172	1	06/16/2025 23:11	WG2538512
(S) p-Terphenyl-d14	80.9		23.0-120		06/16/2025 23:11	WG2538512
(S) Nitrobenzene-d5	78.0		14.0-149		06/16/2025 23:11	WG2538512
(S) 2-Fluorobiphenyl	76.8		34.0-125		06/16/2025 23:11	WG2538512

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0500	1	06/13/2025 20:25	WG2538285
Acrolein	ND	C3	0.0500	1	06/13/2025 20:25	WG2538285
Acrylonitrile	ND		0.0100	1	06/13/2025 20:25	WG2538285
Benzene	ND		0.00100	1	06/13/2025 20:25	WG2538285
Bromobenzene	ND		0.00100	1	06/13/2025 20:25	WG2538285
Bromodichloromethane	ND		0.00100	1	06/13/2025 20:25	WG2538285
Bromoform	ND		0.00100	1	06/13/2025 20:25	WG2538285
Bromomethane	ND		0.00500	1	06/13/2025 20:25	WG2538285
n-Butylbenzene	ND		0.00100	1	06/13/2025 20:25	WG2538285
sec-Butylbenzene	ND		0.00100	1	06/13/2025 20:25	WG2538285
tert-Butylbenzene	ND		0.00100	1	06/13/2025 20:25	WG2538285
Carbon tetrachloride	ND		0.00100	1	06/13/2025 20:25	WG2538285
Chlorobenzene	ND		0.00100	1	06/13/2025 20:25	WG2538285
Chlorodibromomethane	ND		0.00100	1	06/13/2025 20:25	WG2538285
Chloroethane	ND		0.00500	1	06/13/2025 20:25	WG2538285
Chloroform	ND		0.00500	1	06/13/2025 20:25	WG2538285
Chloromethane	ND	C3	0.00250	1	06/13/2025 20:25	WG2538285
2-Chlorotoluene	ND		0.00100	1	06/13/2025 20:25	WG2538285
4-Chlorotoluene	ND		0.00100	1	06/13/2025 20:25	WG2538285
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	06/13/2025 20:25	WG2538285
1,2-Dibromoethane	ND		0.00100	1	06/13/2025 20:25	WG2538285
Dibromomethane	ND		0.00100	1	06/13/2025 20:25	WG2538285
1,2-Dichlorobenzene	ND		0.00100	1	06/13/2025 20:25	WG2538285
1,3-Dichlorobenzene	ND		0.00100	1	06/13/2025 20:25	WG2538285
1,4-Dichlorobenzene	ND		0.00100	1	06/13/2025 20:25	WG2538285
Dichlorodifluoromethane	ND		0.00500	1	06/13/2025 20:25	WG2538285
1,1-Dichloroethane	ND		0.00100	1	06/13/2025 20:25	WG2538285
1,2-Dichloroethane	ND		0.00100	1	06/13/2025 20:25	WG2538285
1,1-Dichloroethene	ND		0.00100	1	06/13/2025 20:25	WG2538285
cis-1,2-Dichloroethene	ND		0.00100	1	06/13/2025 20:25	WG2538285
trans-1,2-Dichloroethene	ND		0.00100	1	06/13/2025 20:25	WG2538285
1,2-Dichloropropane	ND		0.00100	1	06/13/2025 20:25	WG2538285
1,1-Dichloropropene	ND		0.00100	1	06/13/2025 20:25	WG2538285
1,3-Dichloropropane	ND		0.00100	1	06/13/2025 20:25	WG2538285
cis-1,3-Dichloropropene	ND		0.00100	1	06/13/2025 20:25	WG2538285
trans-1,3-Dichloropropene	ND		0.00100	1	06/13/2025 20:25	WG2538285
2,2-Dichloropropane	ND		0.00100	1	06/13/2025 20:25	WG2538285
Di-isopropyl ether	ND		0.00100	1	06/13/2025 20:25	WG2538285
Ethylbenzene	ND		0.00100	1	06/13/2025 20:25	WG2538285
Hexachloro-1,3-butadiene	ND		0.00100	1	06/13/2025 20:25	WG2538285
Isopropylbenzene	ND		0.00100	1	06/13/2025 20:25	WG2538285
p-Isopropyltoluene	ND		0.00100	1	06/13/2025 20:25	WG2538285
2-Butanone (MEK)	ND	C3	0.0100	1	06/13/2025 20:25	WG2538285
Methylene Chloride	ND		0.00500	1	06/13/2025 20:25	WG2538285
4-Methyl-2-pentanone (MIBK)	ND	C3	0.0100	1	06/13/2025 20:25	WG2538285
Methyl tert-butyl ether	ND		0.00100	1	06/13/2025 20:25	WG2538285
Naphthalene	ND		0.00500	1	06/13/2025 20:25	WG2538285
n-Propylbenzene	ND		0.00100	1	06/13/2025 20:25	WG2538285
Styrene	ND		0.00100	1	06/13/2025 20:25	WG2538285
1,1,1,2-Tetrachloroethane	ND		0.00100	1	06/13/2025 20:25	WG2538285
1,1,2,2-Tetrachloroethane	ND		0.00100	1	06/13/2025 20:25	WG2538285
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	06/13/2025 20:25	WG2538285
Tetrachloroethene	ND		0.00100	1	06/13/2025 20:25	WG2538285
Toluene	ND		0.00100	1	06/13/2025 20:25	WG2538285
1,2,3-Trichlorobenzene	ND		0.00100	1	06/13/2025 20:25	WG2538285
1,2,4-Trichlorobenzene	ND		0.00100	1	06/13/2025 20:25	WG2538285

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00100	1	06/13/2025 20:25	WG2538285
1,1,2-Trichloroethane	ND		0.00100	1	06/13/2025 20:25	WG2538285
Trichloroethene	ND		0.00100	1	06/13/2025 20:25	WG2538285
Trichlorofluoromethane	ND		0.00500	1	06/13/2025 20:25	WG2538285
1,2,3-Trichloropropane	ND		0.00250	1	06/13/2025 20:25	WG2538285
1,2,4-Trimethylbenzene	ND		0.00100	1	06/13/2025 20:25	WG2538285
1,2,3-Trimethylbenzene	ND		0.00100	1	06/13/2025 20:25	WG2538285
1,3,5-Trimethylbenzene	ND		0.00100	1	06/13/2025 20:25	WG2538285
Vinyl chloride	ND		0.00100	1	06/13/2025 20:25	WG2538285
Xylenes, Total	ND		0.00300	1	06/13/2025 20:25	WG2538285
(S) Toluene-d8	100		80.0-120		06/13/2025 20:25	WG2538285
(S) 4-Bromofluorobenzene	98.7		77.0-126		06/13/2025 20:25	WG2538285
(S) 1,2-Dichloroethane-d4	95.3		70.0-130		06/13/2025 20:25	WG2538285

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

	Result	Qualifier	Dilution	Analysis date / time	Batch
Analyte					
Sodium Adsorption Ratio	1.17		1	06/20/2025 11:02	WG2540937

Calculated Results

	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Analyte						
Total Nitrogen	2920		21.1	1	06/17/2025 13:12	WG2538422

Total Solids by Method 2540 G-2011

	Result %	Qualifier	Dilution	Analysis date / time	Batch
Analyte					
Total Solids	94.7		1	06/13/2025 19:53	WG2538345

Wet Chemistry by Method 350.1

	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Analyte						
Ammonia Nitrogen	ND		10.6	1	06/17/2025 01:46	WG2538429

Wet Chemistry by Method 4500NOrg D-2021

	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Analyte						
Kjeldahl Nitrogen, TKN	2920		106	5	06/17/2025 13:12	WG2539790

Wet Chemistry by Method 7199

	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Analyte						
Hexavalent Chromium	ND		0.211	1	06/26/2025 06:42	WG2538833

Wet Chemistry by Method 9045D

	Result su	Qualifier	Dilution	Analysis date / time	Batch
Analyte					
pH	7.57		1	06/21/2025 10:11	WG2543012

Sample Narrative:

L1869427-13 WG2543012: 7.57 at 23.5C

Wet Chemistry by Method 9050AMod

	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Analyte							
Specific Conductance	915	umhos/cm		10.0	1	06/23/2025 18:29	WG2543045

Sample Narrative:

L1869427-13 WG2543045: at 25C

Wet Chemistry by Method 9056A

	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Analyte						
Nitrate-Nitrite	ND		21.1	1	06/14/2025 19:51	WG2538422

Wet Chemistry by Method WALKLEY-BLACK

	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Analyte						
TOC By Walkley Black	22100		500	5	06/17/2025 19:28	WG2538571

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.57		0.200	1	06/19/2025 13:37	WG2540950

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	6360		21.1	1	06/14/2025 14:10	WG2538469
Antimony	ND		2.11	1	06/14/2025 14:10	WG2538469
Beryllium	0.562		0.211	1	06/14/2025 14:10	WG2538469
Calcium	8770		106	1	06/14/2025 14:10	WG2538469
Chromium	6.95		1.06	1	06/14/2025 14:10	WG2538469
Cobalt	4.07		1.06	1	06/14/2025 14:10	WG2538469
Iron	9840		10.6	1	06/14/2025 14:10	WG2538469
Magnesium	3480		106	1	06/14/2025 14:10	WG2538469
Manganese	251		1.06	1	06/14/2025 14:10	WG2538469
Potassium	3250		106	1	06/14/2025 14:10	WG2538469
Sodium	187		106	1	06/14/2025 14:10	WG2538469
Thallium	ND		2.11	1	06/14/2025 14:10	WG2538469
Vanadium	16.1		2.11	1	06/14/2025 14:10	WG2538469

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.64		0.106	5	06/16/2025 04:07	WG2538477
Barium	83.1		10.6	5	06/16/2025 04:07	WG2538477
Cadmium	0.258		0.106	5	06/16/2025 04:07	WG2538477
Copper	36.3		10.6	5	06/16/2025 04:07	WG2538477
Lead	ND		10.6	5	06/16/2025 04:07	WG2538477
Nickel	ND		10.6	5	06/16/2025 04:07	WG2538477
Selenium	0.459		0.106	5	06/16/2025 04:07	WG2538477
Silver	ND		0.528	5	06/16/2025 04:07	WG2538477
Zinc	ND		52.8	5	06/16/2025 04:07	WG2538477

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		2.78	25	06/13/2025 22:20	WG2538252
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	97.8		77.0-120		06/13/2025 22:20	WG2538252

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0556	1	06/14/2025 01:51	WG2538238
Acrylonitrile	ND		0.0139	1	06/14/2025 01:51	WG2538238
Benzene	ND		0.00111	1	06/14/2025 01:51	WG2538238
Bromobenzene	ND		0.0139	1	06/14/2025 01:51	WG2538238
Bromodichloromethane	ND		0.00278	1	06/14/2025 01:51	WG2538238
Bromoform	ND		0.0278	1	06/14/2025 01:51	WG2538238
Bromomethane	ND	C3	0.0139	1	06/14/2025 01:51	WG2538238
n-Butylbenzene	ND		0.0139	1	06/14/2025 01:51	WG2538238
sec-Butylbenzene	ND		0.0139	1	06/14/2025 01:51	WG2538238
tert-Butylbenzene	ND		0.00556	1	06/14/2025 01:51	WG2538238
Carbon tetrachloride	ND		0.00556	1	06/14/2025 01:51	WG2538238
Chlorobenzene	ND		0.00278	1	06/14/2025 01:51	WG2538238
Chlorodibromomethane	ND		0.00278	1	06/14/2025 01:51	WG2538238

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND		0.00556	1	06/14/2025 01:51	WG2538238
Chloroform	ND		0.00278	1	06/14/2025 01:51	WG2538238
Chloromethane	ND		0.0139	1	06/14/2025 01:51	WG2538238
2-Chlorotoluene	ND		0.00278	1	06/14/2025 01:51	WG2538238
4-Chlorotoluene	ND		0.00556	1	06/14/2025 01:51	WG2538238
1,2-Dibromo-3-Chloropropane	ND		0.0278	1	06/14/2025 01:51	WG2538238
1,2-Dibromoethane	ND		0.00278	1	06/14/2025 01:51	WG2538238
Dibromomethane	ND		0.00556	1	06/14/2025 01:51	WG2538238
1,2-Dichlorobenzene	ND		0.00556	1	06/14/2025 01:51	WG2538238
1,3-Dichlorobenzene	ND		0.00556	1	06/14/2025 01:51	WG2538238
1,4-Dichlorobenzene	ND		0.00556	1	06/14/2025 01:51	WG2538238
Dichlorodifluoromethane	ND		0.00556	1	06/14/2025 01:51	WG2538238
1,1-Dichloroethane	ND		0.00278	1	06/14/2025 01:51	WG2538238
1,2-Dichloroethane	ND		0.00278	1	06/14/2025 01:51	WG2538238
1,1-Dichloroethene	ND		0.00278	1	06/14/2025 01:51	WG2538238
cis-1,2-Dichloroethene	ND		0.00278	1	06/14/2025 01:51	WG2538238
trans-1,2-Dichloroethene	ND		0.00556	1	06/14/2025 01:51	WG2538238
1,2-Dichloropropane	ND		0.00556	1	06/14/2025 01:51	WG2538238
1,1-Dichloropropene	ND		0.00278	1	06/14/2025 01:51	WG2538238
1,3-Dichloropropane	ND		0.00556	1	06/14/2025 01:51	WG2538238
cis-1,3-Dichloropropene	ND		0.00278	1	06/14/2025 01:51	WG2538238
trans-1,3-Dichloropropene	ND		0.00556	1	06/14/2025 01:51	WG2538238
2,2-Dichloropropane	ND		0.00278	1	06/14/2025 01:51	WG2538238
Di-isopropyl ether	ND		0.00111	1	06/14/2025 01:51	WG2538238
Ethylbenzene	ND		0.0111	1	06/14/2025 01:51	WG2538238
Hexachloro-1,3-butadiene	ND		0.0278	1	06/14/2025 01:51	WG2538238
Isopropylbenzene	ND		0.00278	1	06/14/2025 01:51	WG2538238
p-Isopropyltoluene	ND		0.00556	1	06/14/2025 01:51	WG2538238
2-Butanone (MEK)	ND		0.111	1	06/14/2025 01:51	WG2538238
Methylene Chloride	ND		0.0278	1	06/14/2025 01:51	WG2538238
4-Methyl-2-pentanone (MIBK)	ND		0.0278	1	06/14/2025 01:51	WG2538238
Methyl tert-butyl ether	ND		0.00111	1	06/14/2025 01:51	WG2538238
n-Propylbenzene	ND		0.00556	1	06/14/2025 01:51	WG2538238
Styrene	ND		0.0139	1	06/14/2025 01:51	WG2538238
1,1,1,2-Tetrachloroethane	ND		0.00278	1	06/14/2025 01:51	WG2538238
1,1,2,2-Tetrachloroethane	ND		0.00278	1	06/14/2025 01:51	WG2538238
1,1,2-Trichlorotrifluoroethane	ND		0.00278	1	06/14/2025 01:51	WG2538238
Tetrachloroethene	ND		0.00278	1	06/14/2025 01:51	WG2538238
Toluene	ND		0.0111	1	06/14/2025 01:51	WG2538238
1,2,3-Trichlorobenzene	ND		0.0139	1	06/14/2025 01:51	WG2538238
1,2,4-Trichlorobenzene	ND		0.0139	1	06/14/2025 01:51	WG2538238
1,1,1-Trichloroethane	ND		0.00278	1	06/14/2025 01:51	WG2538238
1,1,2-Trichloroethane	ND		0.00278	1	06/14/2025 01:51	WG2538238
Trichloroethene	ND		0.00111	1	06/14/2025 01:51	WG2538238
Trichlorofluoromethane	ND		0.00278	1	06/14/2025 01:51	WG2538238
1,2,3-Trichloropropane	ND		0.0139	1	06/14/2025 01:51	WG2538238
1,2,3-Trimethylbenzene	ND		0.00556	1	06/14/2025 01:51	WG2538238
1,2,4-Trimethylbenzene	ND		0.00556	1	06/14/2025 01:51	WG2538238
1,3,5-Trimethylbenzene	ND		0.00556	1	06/14/2025 01:51	WG2538238
Vinyl chloride	ND		0.00278	1	06/14/2025 01:51	WG2538238
Xylenes, Total	ND		0.111	1	06/14/2025 01:51	WG2538238
(S) Toluene-d8	99.2		75.0-131		06/14/2025 01:51	WG2538238
(S) 4-Bromofluorobenzene	102		67.0-138		06/14/2025 01:51	WG2538238
(S) 1,2-Dichloroethane-d4	98.3		70.0-130		06/14/2025 01:51	WG2538238



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	9.14		4.22	1	06/17/2025 02:03	WG2538491
C28-C36 Motor Oil Range	93.9		4.22	1	06/17/2025 02:03	WG2538491
(S) o-Terphenyl	52.9		18.0-148		06/17/2025 02:03	WG2538491

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		0.0703	2	06/17/2025 14:57	WG2538475
Benzidine	ND	J4	3.53	2	06/17/2025 14:57	WG2538475
Benzo(g,h,i)perylene	ND		0.0703	2	06/17/2025 14:57	WG2538475
Bis(2-chlorethoxy)methane	ND		0.703	2	06/17/2025 14:57	WG2538475
Bis(2-chloroethyl)ether	ND		0.703	2	06/17/2025 14:57	WG2538475
2,2-Oxybis(1-Chloropropane)	ND		0.703	2	06/17/2025 14:57	WG2538475
4-Bromophenyl-phenylether	ND		0.703	2	06/17/2025 14:57	WG2538475
2-Chloronaphthalene	ND		0.0703	2	06/17/2025 14:57	WG2538475
4-Chlorophenyl-phenylether	ND		0.703	2	06/17/2025 14:57	WG2538475
1,2-Dichlorobenzene	ND		0.703	2	06/17/2025 14:57	WG2538475
1,3-Dichlorobenzene	ND		0.703	2	06/17/2025 14:57	WG2538475
1,4-Dichlorobenzene	ND		0.703	2	06/17/2025 14:57	WG2538475
3,3-Dichlorobenzidine	ND		0.703	2	06/17/2025 14:57	WG2538475
2,4-Dinitrotoluene	ND		0.703	2	06/17/2025 14:57	WG2538475
2,6-Dinitrotoluene	ND		0.703	2	06/17/2025 14:57	WG2538475
Hexachlorobenzene	ND		0.703	2	06/17/2025 14:57	WG2538475
Hexachloro-1,3-butadiene	ND		0.703	2	06/17/2025 14:57	WG2538475
Hexachlorocyclopentadiene	ND	C7	0.703	2	06/17/2025 14:57	WG2538475
Hexachloroethane	ND		0.703	2	06/17/2025 14:57	WG2538475
Isophorone	ND		0.703	2	06/17/2025 14:57	WG2538475
Nitrobenzene	ND		0.703	2	06/17/2025 14:57	WG2538475
n-Nitrosodimethylamine	ND		0.703	2	06/17/2025 14:57	WG2538475
n-Nitrosodiphenylamine	ND		0.703	2	06/17/2025 14:57	WG2538475
n-Nitrosodi-n-propylamine	ND		0.703	2	06/17/2025 14:57	WG2538475
Phenanthrene	ND		0.0703	2	06/17/2025 14:57	WG2538475
Benzylbutyl phthalate	ND		0.703	2	06/17/2025 14:57	WG2538475
Bis(2-ethylhexyl)phthalate	ND		0.703	2	06/17/2025 14:57	WG2538475
Di-n-butyl phthalate	ND		0.703	2	06/17/2025 14:57	WG2538475
Diethyl phthalate	ND		0.703	2	06/17/2025 14:57	WG2538475
Dimethyl phthalate	ND		0.703	2	06/17/2025 14:57	WG2538475
Di-n-octyl phthalate	ND		0.703	2	06/17/2025 14:57	WG2538475
1,2,4-Trichlorobenzene	ND		0.703	2	06/17/2025 14:57	WG2538475
4-Chloro-3-methylphenol	ND		0.703	2	06/17/2025 14:57	WG2538475
2-Chlorophenol	ND		0.703	2	06/17/2025 14:57	WG2538475
2,4-Dichlorophenol	ND		0.703	2	06/17/2025 14:57	WG2538475
2,4-Dimethylphenol	ND		0.703	2	06/17/2025 14:57	WG2538475
4,6-Dinitro-2-methylphenol	ND		0.703	2	06/17/2025 14:57	WG2538475
2,4-Dinitrophenol	ND		0.703	2	06/17/2025 14:57	WG2538475
2-Nitrophenol	ND		0.703	2	06/17/2025 14:57	WG2538475
4-Nitrophenol	ND	C3	0.703	2	06/17/2025 14:57	WG2538475
Pentachlorophenol	ND		0.703	2	06/17/2025 14:57	WG2538475
Phenol	ND		0.703	2	06/17/2025 14:57	WG2538475
2,4,6-Trichlorophenol	ND		0.703	2	06/17/2025 14:57	WG2538475
(S) 2-Fluorophenol	69.8		12.0-120		06/17/2025 14:57	WG2538475
(S) Phenol-d5	62.5		10.0-120		06/17/2025 14:57	WG2538475
(S) Nitrobenzene-d5	78.5		10.0-122		06/17/2025 14:57	WG2538475
(S) 2-Fluorobiphenyl	74.9		15.0-120		06/17/2025 14:57	WG2538475
(S) 2,4,6-Tribromophenol	87.3		10.0-127		06/17/2025 14:57	WG2538475
(S) p-Terphenyl-d14	92.4		10.0-120		06/17/2025 14:57	WG2538475

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
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Sample Narrative:

L1869427-13 WG2538475: Dilution due to matrix impact during extract concentration procedure.

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0348	1	06/16/2025 23:31	WG2538512
Acenaphthene	ND		0.0348	1	06/16/2025 23:31	WG2538512
Acenaphthylene	ND		0.0348	1	06/16/2025 23:31	WG2538512
Benzo(a)anthracene	ND		0.00634	1	06/16/2025 23:31	WG2538512
Benzo(a)pyrene	ND		0.0348	1	06/16/2025 23:31	WG2538512
Benzo(b)fluoranthene	ND		0.0348	1	06/16/2025 23:31	WG2538512
Benzo(g,h,i)perylene	ND		0.0348	1	06/16/2025 23:31	WG2538512
Benzo(k)fluoranthene	ND		0.0348	1	06/16/2025 23:31	WG2538512
Chrysene	ND		0.0348	1	06/16/2025 23:31	WG2538512
Dibenz(a,h)anthracene	ND		0.0348	1	06/16/2025 23:31	WG2538512
Fluoranthene	ND		0.0348	1	06/16/2025 23:31	WG2538512
Fluorene	ND		0.0348	1	06/16/2025 23:31	WG2538512
Indeno(1,2,3-cd)pyrene	ND		0.0348	1	06/16/2025 23:31	WG2538512
Naphthalene	ND		0.00317	1	06/16/2025 23:31	WG2538512
Phenanthrene	ND		0.0348	1	06/16/2025 23:31	WG2538512
Pyrene	ND		0.0348	1	06/16/2025 23:31	WG2538512
1-Methylnaphthalene	ND		0.00317	1	06/16/2025 23:31	WG2538512
2-Methylnaphthalene	ND		0.0127	1	06/16/2025 23:31	WG2538512
(S) p-Terphenyl-d14	103		23.0-120		06/16/2025 23:31	WG2538512
(S) Nitrobenzene-d5	101		14.0-149		06/16/2025 23:31	WG2538512
(S) 2-Fluorobiphenyl	103		34.0-125		06/16/2025 23:31	WG2538512

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.50		1	06/20/2025 11:05	WG2540937

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	3580		32.5	1	06/17/2025 13:13	WG2538422

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	64.6		1	06/13/2025 20:09	WG2538346

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		15.5	1	06/17/2025 01:47	WG2538429

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	3540		155	5	06/17/2025 13:13	WG2539790

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.309	1	06/26/2025 07:09	WG2538833

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.72		1	06/21/2025 10:11	WG2543012

Sample Narrative:

L1869427-14 WG2543012: 7.72 at 23.7C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1590	umhos/cm		10.0	1	06/23/2025 18:29	WG2543045

Sample Narrative:

L1869427-14 WG2543045: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		32.5	1.05	06/14/2025 20:08	WG2538422

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	17600		500	5	06/17/2025 18:21	WG2538557

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.51		0.200	1	06/19/2025 13:39	WG2540950

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	3060		30.9	1	06/14/2025 14:13	WG2538469
Antimony	ND		3.09	1	06/14/2025 14:13	WG2538469
Beryllium	0.403		0.309	1	06/14/2025 14:13	WG2538469
Calcium	6230		155	1	06/14/2025 14:13	WG2538469
Chromium	3.68		1.55	1	06/14/2025 14:13	WG2538469
Cobalt	3.19		1.55	1	06/14/2025 14:13	WG2538469
Iron	5110		15.5	1	06/14/2025 14:13	WG2538469
Magnesium	1980		155	1	06/14/2025 14:13	WG2538469
Manganese	245		1.55	1	06/14/2025 14:13	WG2538469
Potassium	2270		155	1	06/14/2025 14:13	WG2538469
Sodium	188		155	1	06/14/2025 14:13	WG2538469
Thallium	ND		3.09	1	06/14/2025 14:13	WG2538469
Vanadium	10.4		3.09	1	06/14/2025 14:13	WG2538469

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.23		0.155	5	06/16/2025 04:10	WG2538477
Barium	63.9		15.5	5	06/16/2025 04:10	WG2538477
Cadmium	0.252		0.155	5	06/16/2025 04:10	WG2538477
Copper	27.9		15.5	5	06/16/2025 04:10	WG2538477
Lead	ND		15.5	5	06/16/2025 04:10	WG2538477
Nickel	ND		15.5	5	06/16/2025 04:10	WG2538477
Selenium	0.300		0.155	5	06/16/2025 04:10	WG2538477
Silver	ND		0.773	5	06/16/2025 04:10	WG2538477
Zinc	ND		77.3	5	06/16/2025 04:10	WG2538477

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		5.23	25	06/13/2025 22:39	WG2538252
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	97.4		77.0-120		06/13/2025 22:39	WG2538252

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.105	1	06/14/2025 02:11	WG2538238
Acrylonitrile	ND		0.0262	1	06/14/2025 02:11	WG2538238
Benzene	ND		0.00209	1	06/14/2025 02:11	WG2538238
Bromobenzene	ND		0.0262	1	06/14/2025 02:11	WG2538238
Bromodichloromethane	ND		0.00523	1	06/14/2025 02:11	WG2538238
Bromoform	ND		0.0523	1	06/14/2025 02:11	WG2538238
Bromomethane	ND	C3	0.0262	1	06/14/2025 02:11	WG2538238
n-Butylbenzene	ND		0.0262	1	06/14/2025 02:11	WG2538238
sec-Butylbenzene	ND		0.0262	1	06/14/2025 02:11	WG2538238
tert-Butylbenzene	ND		0.0105	1	06/14/2025 02:11	WG2538238
Carbon tetrachloride	ND		0.0105	1	06/14/2025 02:11	WG2538238
Chlorobenzene	ND		0.00523	1	06/14/2025 02:11	WG2538238
Chlorodibromomethane	ND		0.00523	1	06/14/2025 02:11	WG2538238

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND		0.0105	1	06/14/2025 02:11	WG2538238
Chloroform	ND		0.00523	1	06/14/2025 02:11	WG2538238
Chloromethane	ND		0.0262	1	06/14/2025 02:11	WG2538238
2-Chlorotoluene	ND		0.00523	1	06/14/2025 02:11	WG2538238
4-Chlorotoluene	ND		0.0105	1	06/14/2025 02:11	WG2538238
1,2-Dibromo-3-Chloropropane	ND		0.0523	1	06/14/2025 02:11	WG2538238
1,2-Dibromoethane	ND		0.00523	1	06/14/2025 02:11	WG2538238
Dibromomethane	ND		0.0105	1	06/14/2025 02:11	WG2538238
1,2-Dichlorobenzene	ND		0.0105	1	06/14/2025 02:11	WG2538238
1,3-Dichlorobenzene	ND		0.0105	1	06/14/2025 02:11	WG2538238
1,4-Dichlorobenzene	ND		0.0105	1	06/14/2025 02:11	WG2538238
Dichlorodifluoromethane	ND		0.0105	1	06/14/2025 02:11	WG2538238
1,1-Dichloroethane	ND		0.00523	1	06/14/2025 02:11	WG2538238
1,2-Dichloroethane	ND		0.00523	1	06/14/2025 02:11	WG2538238
1,1-Dichloroethene	ND		0.00523	1	06/14/2025 02:11	WG2538238
cis-1,2-Dichloroethene	ND		0.00523	1	06/14/2025 02:11	WG2538238
trans-1,2-Dichloroethene	ND		0.0105	1	06/14/2025 02:11	WG2538238
1,2-Dichloropropane	ND		0.0105	1	06/14/2025 02:11	WG2538238
1,1-Dichloropropene	ND		0.00523	1	06/14/2025 02:11	WG2538238
1,3-Dichloropropane	ND		0.0105	1	06/14/2025 02:11	WG2538238
cis-1,3-Dichloropropene	ND		0.00523	1	06/14/2025 02:11	WG2538238
trans-1,3-Dichloropropene	ND		0.0105	1	06/14/2025 02:11	WG2538238
2,2-Dichloropropane	ND		0.00523	1	06/14/2025 02:11	WG2538238
Di-isopropyl ether	ND		0.00209	1	06/14/2025 02:11	WG2538238
Ethylbenzene	ND		0.0209	1	06/14/2025 02:11	WG2538238
Hexachloro-1,3-butadiene	ND		0.0523	1	06/14/2025 02:11	WG2538238
Isopropylbenzene	ND		0.00523	1	06/14/2025 02:11	WG2538238
p-Isopropyltoluene	ND		0.0105	1	06/14/2025 02:11	WG2538238
2-Butanone (MEK)	ND		0.209	1	06/14/2025 02:11	WG2538238
Methylene Chloride	ND		0.0523	1	06/14/2025 02:11	WG2538238
4-Methyl-2-pentanone (MIBK)	ND		0.0523	1	06/14/2025 02:11	WG2538238
Methyl tert-butyl ether	ND		0.00209	1	06/14/2025 02:11	WG2538238
n-Propylbenzene	ND		0.0105	1	06/14/2025 02:11	WG2538238
Styrene	ND		0.0262	1	06/14/2025 02:11	WG2538238
1,1,1,2-Tetrachloroethane	ND		0.00523	1	06/14/2025 02:11	WG2538238
1,1,2,2-Tetrachloroethane	ND		0.00523	1	06/14/2025 02:11	WG2538238
1,1,2-Trichlorotrifluoroethane	ND		0.00523	1	06/14/2025 02:11	WG2538238
Tetrachloroethene	ND		0.00523	1	06/14/2025 02:11	WG2538238
Toluene	ND		0.0209	1	06/14/2025 02:11	WG2538238
1,2,3-Trichlorobenzene	ND		0.0262	1	06/14/2025 02:11	WG2538238
1,2,4-Trichlorobenzene	ND		0.0262	1	06/14/2025 02:11	WG2538238
1,1,1-Trichloroethane	ND		0.00523	1	06/14/2025 02:11	WG2538238
1,1,2-Trichloroethane	ND		0.00523	1	06/14/2025 02:11	WG2538238
Trichloroethene	ND		0.00209	1	06/14/2025 02:11	WG2538238
Trichlorofluoromethane	ND		0.00523	1	06/14/2025 02:11	WG2538238
1,2,3-Trichloropropane	ND		0.0262	1	06/14/2025 02:11	WG2538238
1,2,3-Trimethylbenzene	ND		0.0105	1	06/14/2025 02:11	WG2538238
1,2,4-Trimethylbenzene	ND		0.0105	1	06/14/2025 02:11	WG2538238
1,3,5-Trimethylbenzene	ND		0.0105	1	06/14/2025 02:11	WG2538238
Vinyl chloride	ND		0.00523	1	06/14/2025 02:11	WG2538238
Xylenes, Total	ND		0.209	1	06/14/2025 02:11	WG2538238
(S) Toluene-d8	98.9		75.0-131		06/14/2025 02:11	WG2538238
(S) 4-Bromofluorobenzene	99.7		67.0-138		06/14/2025 02:11	WG2538238
(S) 1,2-Dichloroethane-d4	98.8		70.0-130		06/14/2025 02:11	WG2538238



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		6.19	1	06/17/2025 02:41	WG2538491
C28-C36 Motor Oil Range	43.9		6.19	1	06/17/2025 02:41	WG2538491
(S) o-Terphenyl	45.1		18.0-148		06/17/2025 02:41	WG2538491

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		0.103	2	06/17/2025 15:19	WG2538475
Benzidine	ND	J4	5.17	2	06/17/2025 15:19	WG2538475
Benzo(g,h,i)perylene	ND		0.103	2	06/17/2025 15:19	WG2538475
Bis(2-chlorethoxy)methane	ND		1.03	2	06/17/2025 15:19	WG2538475
Bis(2-chloroethyl)ether	ND		1.03	2	06/17/2025 15:19	WG2538475
2,2-Oxybis(1-Chloropropane)	ND		1.03	2	06/17/2025 15:19	WG2538475
4-Bromophenyl-phenylether	ND		1.03	2	06/17/2025 15:19	WG2538475
2-Chloronaphthalene	ND		0.103	2	06/17/2025 15:19	WG2538475
4-Chlorophenyl-phenylether	ND		1.03	2	06/17/2025 15:19	WG2538475
1,2-Dichlorobenzene	ND		1.03	2	06/17/2025 15:19	WG2538475
1,3-Dichlorobenzene	ND		1.03	2	06/17/2025 15:19	WG2538475
1,4-Dichlorobenzene	ND		1.03	2	06/17/2025 15:19	WG2538475
3,3-Dichlorobenzidine	ND		1.03	2	06/17/2025 15:19	WG2538475
2,4-Dinitrotoluene	ND		1.03	2	06/17/2025 15:19	WG2538475
2,6-Dinitrotoluene	ND		1.03	2	06/17/2025 15:19	WG2538475
Hexachlorobenzene	ND		1.03	2	06/17/2025 15:19	WG2538475
Hexachloro-1,3-butadiene	ND		1.03	2	06/17/2025 15:19	WG2538475
Hexachlorocyclopentadiene	ND	C7	1.03	2	06/17/2025 15:19	WG2538475
Hexachloroethane	ND		1.03	2	06/17/2025 15:19	WG2538475
Isophorone	ND		1.03	2	06/17/2025 15:19	WG2538475
Nitrobenzene	ND		1.03	2	06/17/2025 15:19	WG2538475
n-Nitrosodimethylamine	ND		1.03	2	06/17/2025 15:19	WG2538475
n-Nitrosodiphenylamine	ND		1.03	2	06/17/2025 15:19	WG2538475
n-Nitrosodi-n-propylamine	ND		1.03	2	06/17/2025 15:19	WG2538475
Phenanthrene	ND		0.103	2	06/17/2025 15:19	WG2538475
Benzylbutyl phthalate	ND		1.03	2	06/17/2025 15:19	WG2538475
Bis(2-ethylhexyl)phthalate	ND		1.03	2	06/17/2025 15:19	WG2538475
Di-n-butyl phthalate	ND		1.03	2	06/17/2025 15:19	WG2538475
Diethyl phthalate	ND		1.03	2	06/17/2025 15:19	WG2538475
Dimethyl phthalate	ND		1.03	2	06/17/2025 15:19	WG2538475
Di-n-octyl phthalate	ND		1.03	2	06/17/2025 15:19	WG2538475
1,2,4-Trichlorobenzene	ND		1.03	2	06/17/2025 15:19	WG2538475
4-Chloro-3-methylphenol	ND		1.03	2	06/17/2025 15:19	WG2538475
2-Chlorophenol	ND		1.03	2	06/17/2025 15:19	WG2538475
2,4-Dichlorophenol	ND		1.03	2	06/17/2025 15:19	WG2538475
2,4-Dimethylphenol	ND		1.03	2	06/17/2025 15:19	WG2538475
4,6-Dinitro-2-methylphenol	ND		1.03	2	06/17/2025 15:19	WG2538475
2,4-Dinitrophenol	ND		1.03	2	06/17/2025 15:19	WG2538475
2-Nitrophenol	ND		1.03	2	06/17/2025 15:19	WG2538475
4-Nitrophenol	ND	C3	1.03	2	06/17/2025 15:19	WG2538475
Pentachlorophenol	ND		1.03	2	06/17/2025 15:19	WG2538475
Phenol	ND		1.03	2	06/17/2025 15:19	WG2538475
2,4,6-Trichlorophenol	ND		1.03	2	06/17/2025 15:19	WG2538475
(S) 2-Fluorophenol	77.1		12.0-120		06/17/2025 15:19	WG2538475
(S) Phenol-d5	73.6		10.0-120		06/17/2025 15:19	WG2538475
(S) Nitrobenzene-d5	82.7		10.0-122		06/17/2025 15:19	WG2538475
(S) 2-Fluorobiphenyl	85.8		15.0-120		06/17/2025 15:19	WG2538475
(S) 2,4,6-Tribromophenol	95.4		10.0-127		06/17/2025 15:19	WG2538475
(S) p-Terphenyl-d14	84.5		10.0-120		06/17/2025 15:19	WG2538475

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
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Sample Narrative:

L1869427-14 WG2538475: Dilution due to matrix impact during extract concentration procedure.

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0510	1	06/16/2025 23:50	WG2538512
Acenaphthene	ND		0.0510	1	06/16/2025 23:50	WG2538512
Acenaphthylene	ND		0.0510	1	06/16/2025 23:50	WG2538512
Benzo(a)anthracene	ND		0.00928	1	06/16/2025 23:50	WG2538512
Benzo(a)pyrene	ND		0.0510	1	06/16/2025 23:50	WG2538512
Benzo(b)fluoranthene	ND		0.0510	1	06/16/2025 23:50	WG2538512
Benzo(g,h,i)perylene	ND		0.0510	1	06/16/2025 23:50	WG2538512
Benzo(k)fluoranthene	ND		0.0510	1	06/16/2025 23:50	WG2538512
Chrysene	ND		0.0510	1	06/16/2025 23:50	WG2538512
Dibenz(a,h)anthracene	ND		0.0510	1	06/16/2025 23:50	WG2538512
Fluoranthene	ND		0.0510	1	06/16/2025 23:50	WG2538512
Fluorene	ND		0.0510	1	06/16/2025 23:50	WG2538512
Indeno(1,2,3-cd)pyrene	ND		0.0510	1	06/16/2025 23:50	WG2538512
Naphthalene	ND		0.00464	1	06/16/2025 23:50	WG2538512
Phenanthrene	ND		0.0510	1	06/16/2025 23:50	WG2538512
Pyrene	ND		0.0510	1	06/16/2025 23:50	WG2538512
1-Methylnaphthalene	ND		0.00464	1	06/16/2025 23:50	WG2538512
2-Methylnaphthalene	ND		0.0186	1	06/16/2025 23:50	WG2538512
(S) p-Terphenyl-d14	84.3		23.0-120		06/16/2025 23:50	WG2538512
(S) Nitrobenzene-d5	81.8		14.0-149		06/16/2025 23:50	WG2538512
(S) 2-Fluorobiphenyl	82.8		34.0-125		06/16/2025 23:50	WG2538512

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.38		1	06/20/2025 11:08	WG2540937

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1890		21.6	1	06/17/2025 13:15	WG2538422

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.6		1	06/13/2025 20:09	WG2538346

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		10.7	1	06/17/2025 01:49	WG2538429

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1790		107	5	06/17/2025 13:15	WG2539790

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.214	1	06/26/2025 07:18	WG2538833

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.70		1	06/21/2025 10:11	WG2543012

Sample Narrative:

L1869427-15 WG2543012: 7.7 at 23.6C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1240	umhos/cm		10.0	1	06/23/2025 18:29	WG2543045

Sample Narrative:

L1869427-15 WG2543045: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	102		21.6	1.01	06/14/2025 20:24	WG2538422

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	14700		500	5	06/17/2025 18:22	WG2538557

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.57		0.200	1	06/19/2025 13:41	WG2540950

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	4520		21.4	1	06/14/2025 14:16	WG2538469
Antimony	ND		2.14	1	06/14/2025 14:16	WG2538469
Beryllium	0.512		0.214	1	06/14/2025 14:16	WG2538469
Calcium	5980		107	1	06/14/2025 14:16	WG2538469
Chromium	5.71		1.07	1	06/14/2025 14:16	WG2538469
Cobalt	3.74		1.07	1	06/14/2025 14:16	WG2538469
Iron	9440		10.7	1	06/14/2025 14:16	WG2538469
Magnesium	2530		107	1	06/14/2025 14:16	WG2538469
Manganese	276		1.07	1	06/14/2025 14:16	WG2538469
Potassium	2790		107	1	06/14/2025 14:16	WG2538469
Sodium	205		107	1	06/14/2025 14:16	WG2538469
Thallium	ND		2.14	1	06/14/2025 14:16	WG2538469
Vanadium	15.2		2.14	1	06/14/2025 14:16	WG2538469

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.27		0.107	5	06/16/2025 04:13	WG2538477
Barium	75.6		10.7	5	06/16/2025 04:13	WG2538477
Cadmium	0.267		0.107	5	06/16/2025 04:13	WG2538477
Copper	31.3		10.7	5	06/16/2025 04:13	WG2538477
Lead	ND		10.7	5	06/16/2025 04:13	WG2538477
Nickel	ND		10.7	5	06/16/2025 04:13	WG2538477
Selenium	0.415		0.107	5	06/16/2025 04:13	WG2538477
Silver	ND		0.534	5	06/16/2025 04:13	WG2538477
Zinc	ND		53.4	5	06/16/2025 04:13	WG2538477

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		2.84	25	06/13/2025 22:58	WG2538252
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	96.9		77.0-120		06/13/2025 22:58	WG2538252

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0569	1	06/14/2025 02:31	WG2538238
Acrylonitrile	ND		0.0142	1	06/14/2025 02:31	WG2538238
Benzene	ND		0.00114	1	06/14/2025 02:31	WG2538238
Bromobenzene	ND		0.0142	1	06/14/2025 02:31	WG2538238
Bromodichloromethane	ND		0.00284	1	06/14/2025 02:31	WG2538238
Bromoform	ND		0.0284	1	06/14/2025 02:31	WG2538238
Bromomethane	ND	C3	0.0142	1	06/14/2025 02:31	WG2538238
n-Butylbenzene	ND		0.0142	1	06/14/2025 02:31	WG2538238
sec-Butylbenzene	ND		0.0142	1	06/14/2025 02:31	WG2538238
tert-Butylbenzene	ND		0.00569	1	06/14/2025 02:31	WG2538238
Carbon tetrachloride	ND		0.00569	1	06/14/2025 02:31	WG2538238
Chlorobenzene	ND		0.00284	1	06/14/2025 02:31	WG2538238
Chlorodibromomethane	ND		0.00284	1	06/14/2025 02:31	WG2538238

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND		0.00569	1	06/14/2025 02:31	WG2538238
Chloroform	ND		0.00284	1	06/14/2025 02:31	WG2538238
Chloromethane	ND		0.0142	1	06/14/2025 02:31	WG2538238
2-Chlorotoluene	ND		0.00284	1	06/14/2025 02:31	WG2538238
4-Chlorotoluene	ND		0.00569	1	06/14/2025 02:31	WG2538238
1,2-Dibromo-3-Chloropropane	ND		0.0284	1	06/14/2025 02:31	WG2538238
1,2-Dibromoethane	ND		0.00284	1	06/14/2025 02:31	WG2538238
Dibromomethane	ND		0.00569	1	06/14/2025 02:31	WG2538238
1,2-Dichlorobenzene	ND		0.00569	1	06/14/2025 02:31	WG2538238
1,3-Dichlorobenzene	ND		0.00569	1	06/14/2025 02:31	WG2538238
1,4-Dichlorobenzene	ND		0.00569	1	06/14/2025 02:31	WG2538238
Dichlorodifluoromethane	ND		0.00569	1	06/14/2025 02:31	WG2538238
1,1-Dichloroethane	ND		0.00284	1	06/14/2025 02:31	WG2538238
1,2-Dichloroethane	ND		0.00284	1	06/14/2025 02:31	WG2538238
1,1-Dichloroethene	ND		0.00284	1	06/14/2025 02:31	WG2538238
cis-1,2-Dichloroethene	ND		0.00284	1	06/14/2025 02:31	WG2538238
trans-1,2-Dichloroethene	ND		0.00569	1	06/14/2025 02:31	WG2538238
1,2-Dichloropropane	ND		0.00569	1	06/14/2025 02:31	WG2538238
1,1-Dichloropropene	ND		0.00284	1	06/14/2025 02:31	WG2538238
1,3-Dichloropropane	ND		0.00569	1	06/14/2025 02:31	WG2538238
cis-1,3-Dichloropropene	ND		0.00284	1	06/14/2025 02:31	WG2538238
trans-1,3-Dichloropropene	ND		0.00569	1	06/14/2025 02:31	WG2538238
2,2-Dichloropropane	ND		0.00284	1	06/14/2025 02:31	WG2538238
Di-isopropyl ether	ND		0.00114	1	06/14/2025 02:31	WG2538238
Ethylbenzene	ND		0.0114	1	06/14/2025 02:31	WG2538238
Hexachloro-1,3-butadiene	ND		0.0284	1	06/14/2025 02:31	WG2538238
Isopropylbenzene	ND		0.00284	1	06/14/2025 02:31	WG2538238
p-Isopropyltoluene	ND		0.00569	1	06/14/2025 02:31	WG2538238
2-Butanone (MEK)	ND		0.114	1	06/14/2025 02:31	WG2538238
Methylene Chloride	ND		0.0284	1	06/14/2025 02:31	WG2538238
4-Methyl-2-pentanone (MIBK)	ND		0.0284	1	06/14/2025 02:31	WG2538238
Methyl tert-butyl ether	ND		0.00114	1	06/14/2025 02:31	WG2538238
n-Propylbenzene	ND		0.00569	1	06/14/2025 02:31	WG2538238
Styrene	ND		0.0142	1	06/14/2025 02:31	WG2538238
1,1,1,2-Tetrachloroethane	ND		0.00284	1	06/14/2025 02:31	WG2538238
1,1,2,2-Tetrachloroethane	ND		0.00284	1	06/14/2025 02:31	WG2538238
1,1,2-Trichlorotrifluoroethane	ND		0.00284	1	06/14/2025 02:31	WG2538238
Tetrachloroethene	ND		0.00284	1	06/14/2025 02:31	WG2538238
Toluene	ND		0.0114	1	06/14/2025 02:31	WG2538238
1,2,3-Trichlorobenzene	ND		0.0142	1	06/14/2025 02:31	WG2538238
1,2,4-Trichlorobenzene	ND		0.0142	1	06/14/2025 02:31	WG2538238
1,1,1-Trichloroethane	ND		0.00284	1	06/14/2025 02:31	WG2538238
1,1,2-Trichloroethane	ND		0.00284	1	06/14/2025 02:31	WG2538238
Trichloroethene	ND		0.00114	1	06/14/2025 02:31	WG2538238
Trichlorofluoromethane	ND		0.00284	1	06/14/2025 02:31	WG2538238
1,2,3-Trichloropropane	ND		0.0142	1	06/14/2025 02:31	WG2538238
1,2,3-Trimethylbenzene	ND		0.00569	1	06/14/2025 02:31	WG2538238
1,2,4-Trimethylbenzene	ND		0.00569	1	06/14/2025 02:31	WG2538238
1,3,5-Trimethylbenzene	ND		0.00569	1	06/14/2025 02:31	WG2538238
Vinyl chloride	ND		0.00284	1	06/14/2025 02:31	WG2538238
Xylenes, Total	ND		0.114	1	06/14/2025 02:31	WG2538238
(S) Toluene-d8	99.4		75.0-131		06/14/2025 02:31	WG2538238
(S) 4-Bromofluorobenzene	99.2		67.0-138		06/14/2025 02:31	WG2538238
(S) 1,2-Dichloroethane-d4	99.3		70.0-130		06/14/2025 02:31	WG2538238



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	9.79		4.27	1	06/17/2025 02:53	WG2538491
C28-C36 Motor Oil Range	100		4.27	1	06/17/2025 02:53	WG2538491
(S) o-Terphenyl	50.8		18.0-148		06/17/2025 02:53	WG2538491

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		0.0712	2	06/17/2025 15:40	WG2538475
Benzidine	ND	J4	3.57	2	06/17/2025 15:40	WG2538475
Benzo(g,h,i)perylene	ND		0.0712	2	06/17/2025 15:40	WG2538475
Bis(2-chlorethoxy)methane	ND		0.712	2	06/17/2025 15:40	WG2538475
Bis(2-chloroethyl)ether	ND		0.712	2	06/17/2025 15:40	WG2538475
2,2-Oxybis(1-Chloropropane)	ND		0.712	2	06/17/2025 15:40	WG2538475
4-Bromophenyl-phenylether	ND		0.712	2	06/17/2025 15:40	WG2538475
2-Chloronaphthalene	ND		0.0712	2	06/17/2025 15:40	WG2538475
4-Chlorophenyl-phenylether	ND		0.712	2	06/17/2025 15:40	WG2538475
1,2-Dichlorobenzene	ND		0.712	2	06/17/2025 15:40	WG2538475
1,3-Dichlorobenzene	ND		0.712	2	06/17/2025 15:40	WG2538475
1,4-Dichlorobenzene	ND		0.712	2	06/17/2025 15:40	WG2538475
3,3-Dichlorobenzidine	ND		0.712	2	06/17/2025 15:40	WG2538475
2,4-Dinitrotoluene	ND		0.712	2	06/17/2025 15:40	WG2538475
2,6-Dinitrotoluene	ND		0.712	2	06/17/2025 15:40	WG2538475
Hexachlorobenzene	ND		0.712	2	06/17/2025 15:40	WG2538475
Hexachloro-1,3-butadiene	ND		0.712	2	06/17/2025 15:40	WG2538475
Hexachlorocyclopentadiene	ND	C7	0.712	2	06/17/2025 15:40	WG2538475
Hexachloroethane	ND		0.712	2	06/17/2025 15:40	WG2538475
Isophorone	ND		0.712	2	06/17/2025 15:40	WG2538475
Nitrobenzene	ND		0.712	2	06/17/2025 15:40	WG2538475
n-Nitrosodimethylamine	ND		0.712	2	06/17/2025 15:40	WG2538475
n-Nitrosodiphenylamine	ND		0.712	2	06/17/2025 15:40	WG2538475
n-Nitrosodi-n-propylamine	ND		0.712	2	06/17/2025 15:40	WG2538475
Phenanthrene	ND		0.0712	2	06/17/2025 15:40	WG2538475
Benzylbutyl phthalate	ND		0.712	2	06/17/2025 15:40	WG2538475
Bis(2-ethylhexyl)phthalate	ND		0.712	2	06/17/2025 15:40	WG2538475
Di-n-butyl phthalate	ND		0.712	2	06/17/2025 15:40	WG2538475
Diethyl phthalate	ND		0.712	2	06/17/2025 15:40	WG2538475
Dimethyl phthalate	ND		0.712	2	06/17/2025 15:40	WG2538475
Di-n-octyl phthalate	ND		0.712	2	06/17/2025 15:40	WG2538475
1,2,4-Trichlorobenzene	ND		0.712	2	06/17/2025 15:40	WG2538475
4-Chloro-3-methylphenol	ND		0.712	2	06/17/2025 15:40	WG2538475
2-Chlorophenol	ND		0.712	2	06/17/2025 15:40	WG2538475
2,4-Dichlorophenol	ND		0.712	2	06/17/2025 15:40	WG2538475
2,4-Dimethylphenol	ND		0.712	2	06/17/2025 15:40	WG2538475
4,6-Dinitro-2-methylphenol	ND		0.712	2	06/17/2025 15:40	WG2538475
2,4-Dinitrophenol	ND		0.712	2	06/17/2025 15:40	WG2538475
2-Nitrophenol	ND		0.712	2	06/17/2025 15:40	WG2538475
4-Nitrophenol	ND	C3	0.712	2	06/17/2025 15:40	WG2538475
Pentachlorophenol	ND		0.712	2	06/17/2025 15:40	WG2538475
Phenol	ND		0.712	2	06/17/2025 15:40	WG2538475
2,4,6-Trichlorophenol	ND		0.712	2	06/17/2025 15:40	WG2538475
(S) 2-Fluorophenol	79.4		12.0-120		06/17/2025 15:40	WG2538475
(S) Phenol-d5	69.4		10.0-120		06/17/2025 15:40	WG2538475
(S) Nitrobenzene-d5	82.5		10.0-122		06/17/2025 15:40	WG2538475
(S) 2-Fluorobiphenyl	69.1		15.0-120		06/17/2025 15:40	WG2538475
(S) 2,4,6-Tribromophenol	101		10.0-127		06/17/2025 15:40	WG2538475
(S) p-Terphenyl-d14	85.7		10.0-120		06/17/2025 15:40	WG2538475

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
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Sample Narrative:

L1869427-15 WG2538475: Dilution due to matrix impact during extract concentration procedure.

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0353	1	06/17/2025 00:10	WG2538512
Acenaphthene	ND		0.0353	1	06/17/2025 00:10	WG2538512
Acenaphthylene	ND		0.0353	1	06/17/2025 00:10	WG2538512
Benzo(a)anthracene	ND		0.00641	1	06/17/2025 00:10	WG2538512
Benzo(a)pyrene	ND		0.0353	1	06/17/2025 00:10	WG2538512
Benzo(b)fluoranthene	ND		0.0353	1	06/17/2025 00:10	WG2538512
Benzo(g,h,i)perylene	ND		0.0353	1	06/17/2025 00:10	WG2538512
Benzo(k)fluoranthene	ND		0.0353	1	06/17/2025 00:10	WG2538512
Chrysene	ND		0.0353	1	06/17/2025 00:10	WG2538512
Dibenz(a,h)anthracene	ND		0.0353	1	06/17/2025 00:10	WG2538512
Fluoranthene	ND		0.0353	1	06/17/2025 00:10	WG2538512
Fluorene	ND		0.0353	1	06/17/2025 00:10	WG2538512
Indeno(1,2,3-cd)pyrene	ND		0.0353	1	06/17/2025 00:10	WG2538512
Naphthalene	ND		0.00321	1	06/17/2025 00:10	WG2538512
Phenanthrene	ND		0.0353	1	06/17/2025 00:10	WG2538512
Pyrene	ND		0.0353	1	06/17/2025 00:10	WG2538512
1-Methylnaphthalene	ND		0.00321	1	06/17/2025 00:10	WG2538512
2-Methylnaphthalene	ND		0.0128	1	06/17/2025 00:10	WG2538512
(S) p-Terphenyl-d14	113		23.0-120		06/17/2025 00:10	WG2538512
(S) Nitrobenzene-d5	112		14.0-149		06/17/2025 00:10	WG2538512
(S) 2-Fluorobiphenyl	110		34.0-125		06/17/2025 00:10	WG2538512

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.30		1	06/20/2025 11:11	WG2540937

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1710		27.4	1	06/17/2025 13:17	WG2538422

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	76.0		1	06/13/2025 20:09	WG2538346

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		13.2	1	06/17/2025 01:51	WG2538429

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1700		132	5	06/17/2025 13:17	WG2539790

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.263	1	06/26/2025 07:27	WG2538833

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.68		1	06/21/2025 10:11	WG2543012

Sample Narrative:

L1869427-16 WG2543012: 7.68 at 23.4C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	912	umhos/cm		10.0	1	06/23/2025 18:29	WG2543045

Sample Narrative:

L1869427-16 WG2543045: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		27.4	1.04	06/14/2025 20:40	WG2538422

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	13400		500	5	06/17/2025 18:22	WG2538557

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.25		0.200	1	06/19/2025 13:42	WG2540950

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	4600		26.3	1	06/14/2025 14:18	WG2538469
Antimony	ND		2.63	1	06/14/2025 14:18	WG2538469
Beryllium	0.565		0.263	1	06/14/2025 14:18	WG2538469
Calcium	5950		132	1	06/14/2025 14:18	WG2538469
Chromium	6.22		1.32	1	06/14/2025 14:18	WG2538469
Cobalt	3.95		1.32	1	06/14/2025 14:18	WG2538469
Iron	10300		13.2	1	06/14/2025 14:18	WG2538469
Magnesium	2480		132	1	06/14/2025 14:18	WG2538469
Manganese	278		1.32	1	06/14/2025 14:18	WG2538469
Potassium	2890		132	1	06/14/2025 14:18	WG2538469
Sodium	149		132	1	06/14/2025 14:18	WG2538469
Thallium	ND		2.63	1	06/14/2025 14:18	WG2538469
Vanadium	19.1		2.63	1	06/14/2025 14:18	WG2538469

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.58		0.132	5	06/16/2025 04:16	WG2538477
Barium	81.6		13.2	5	06/16/2025 04:16	WG2538477
Cadmium	0.304		0.132	5	06/16/2025 04:16	WG2538477
Copper	29.1		13.2	5	06/16/2025 04:16	WG2538477
Lead	ND		13.2	5	06/16/2025 04:16	WG2538477
Nickel	ND		13.2	5	06/16/2025 04:16	WG2538477
Selenium	0.350		0.132	5	06/16/2025 04:16	WG2538477
Silver	ND		0.658	5	06/16/2025 04:16	WG2538477
Zinc	ND		65.8	5	06/16/2025 04:16	WG2538477

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		4.08	25	06/13/2025 23:18	WG2538252
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	97.5		77.0-120		06/13/2025 23:18	WG2538252

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0816	1	06/14/2025 02:51	WG2538238
Acrylonitrile	ND		0.0204	1	06/14/2025 02:51	WG2538238
Benzene	ND		0.00163	1	06/14/2025 02:51	WG2538238
Bromobenzene	ND		0.0204	1	06/14/2025 02:51	WG2538238
Bromodichloromethane	ND		0.00408	1	06/14/2025 02:51	WG2538238
Bromoform	ND		0.0408	1	06/14/2025 02:51	WG2538238
Bromomethane	ND	C3	0.0204	1	06/14/2025 02:51	WG2538238
n-Butylbenzene	ND		0.0204	1	06/14/2025 02:51	WG2538238
sec-Butylbenzene	ND		0.0204	1	06/14/2025 02:51	WG2538238
tert-Butylbenzene	ND		0.00816	1	06/14/2025 02:51	WG2538238
Carbon tetrachloride	ND		0.00816	1	06/14/2025 02:51	WG2538238
Chlorobenzene	ND		0.00408	1	06/14/2025 02:51	WG2538238
Chlorodibromomethane	ND		0.00408	1	06/14/2025 02:51	WG2538238

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND		0.00816	1	06/14/2025 02:51	WG2538238
Chloroform	ND		0.00408	1	06/14/2025 02:51	WG2538238
Chloromethane	ND		0.0204	1	06/14/2025 02:51	WG2538238
2-Chlorotoluene	ND		0.00408	1	06/14/2025 02:51	WG2538238
4-Chlorotoluene	ND		0.00816	1	06/14/2025 02:51	WG2538238
1,2-Dibromo-3-Chloropropane	ND		0.0408	1	06/14/2025 02:51	WG2538238
1,2-Dibromoethane	ND		0.00408	1	06/14/2025 02:51	WG2538238
Dibromomethane	ND		0.00816	1	06/14/2025 02:51	WG2538238
1,2-Dichlorobenzene	ND		0.00816	1	06/14/2025 02:51	WG2538238
1,3-Dichlorobenzene	ND		0.00816	1	06/14/2025 02:51	WG2538238
1,4-Dichlorobenzene	ND		0.00816	1	06/14/2025 02:51	WG2538238
Dichlorodifluoromethane	ND		0.00816	1	06/14/2025 02:51	WG2538238
1,1-Dichloroethane	ND		0.00408	1	06/14/2025 02:51	WG2538238
1,2-Dichloroethane	ND		0.00408	1	06/14/2025 02:51	WG2538238
1,1-Dichloroethene	ND		0.00408	1	06/14/2025 02:51	WG2538238
cis-1,2-Dichloroethene	ND		0.00408	1	06/14/2025 02:51	WG2538238
trans-1,2-Dichloroethene	ND		0.00816	1	06/14/2025 02:51	WG2538238
1,2-Dichloropropane	ND		0.00816	1	06/14/2025 02:51	WG2538238
1,1-Dichloropropene	ND		0.00408	1	06/14/2025 02:51	WG2538238
1,3-Dichloropropane	ND		0.00816	1	06/14/2025 02:51	WG2538238
cis-1,3-Dichloropropene	ND		0.00408	1	06/14/2025 02:51	WG2538238
trans-1,3-Dichloropropene	ND		0.00816	1	06/14/2025 02:51	WG2538238
2,2-Dichloropropane	ND		0.00408	1	06/14/2025 02:51	WG2538238
Di-isopropyl ether	ND		0.00163	1	06/14/2025 02:51	WG2538238
Ethylbenzene	ND		0.0163	1	06/14/2025 02:51	WG2538238
Hexachloro-1,3-butadiene	ND		0.0408	1	06/14/2025 02:51	WG2538238
Isopropylbenzene	ND		0.00408	1	06/14/2025 02:51	WG2538238
p-Isopropyltoluene	ND		0.00816	1	06/14/2025 02:51	WG2538238
2-Butanone (MEK)	ND		0.163	1	06/14/2025 02:51	WG2538238
Methylene Chloride	ND		0.0408	1	06/14/2025 02:51	WG2538238
4-Methyl-2-pentanone (MIBK)	ND		0.0408	1	06/14/2025 02:51	WG2538238
Methyl tert-butyl ether	ND		0.00163	1	06/14/2025 02:51	WG2538238
n-Propylbenzene	ND		0.00816	1	06/14/2025 02:51	WG2538238
Styrene	ND		0.0204	1	06/14/2025 02:51	WG2538238
1,1,1,2-Tetrachloroethane	ND		0.00408	1	06/14/2025 02:51	WG2538238
1,1,2,2-Tetrachloroethane	ND		0.00408	1	06/14/2025 02:51	WG2538238
1,1,2-Trichlorotrifluoroethane	ND		0.00408	1	06/14/2025 02:51	WG2538238
Tetrachloroethene	ND		0.00408	1	06/14/2025 02:51	WG2538238
Toluene	ND		0.0163	1	06/14/2025 02:51	WG2538238
1,2,3-Trichlorobenzene	ND		0.0204	1	06/14/2025 02:51	WG2538238
1,2,4-Trichlorobenzene	ND		0.0204	1	06/14/2025 02:51	WG2538238
1,1,1-Trichloroethane	ND		0.00408	1	06/14/2025 02:51	WG2538238
1,1,2-Trichloroethane	ND		0.00408	1	06/14/2025 02:51	WG2538238
Trichloroethene	ND		0.00163	1	06/14/2025 02:51	WG2538238
Trichlorofluoromethane	ND		0.00408	1	06/14/2025 02:51	WG2538238
1,2,3-Trichloropropane	ND		0.0204	1	06/14/2025 02:51	WG2538238
1,2,3-Trimethylbenzene	ND		0.00816	1	06/14/2025 02:51	WG2538238
1,2,4-Trimethylbenzene	ND		0.00816	1	06/14/2025 02:51	WG2538238
1,3,5-Trimethylbenzene	ND		0.00816	1	06/14/2025 02:51	WG2538238
Vinyl chloride	ND		0.00408	1	06/14/2025 02:51	WG2538238
Xylenes, Total	ND		0.163	1	06/14/2025 02:51	WG2538238
(S) Toluene-d8	98.2		75.0-131		06/14/2025 02:51	WG2538238
(S) 4-Bromofluorobenzene	99.7		67.0-138		06/14/2025 02:51	WG2538238
(S) 1,2-Dichloroethane-d4	99.1		70.0-130		06/14/2025 02:51	WG2538238



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	8.00		5.26	1	06/17/2025 00:34	WG2538491
C28-C36 Motor Oil Range	56.4		5.26	1	06/17/2025 00:34	WG2538491
(S) o-Terphenyl	35.4		18.0-148		06/17/2025 00:34	WG2538491

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		0.0876	2	06/17/2025 16:02	WG2538475
Benzidine	ND	J4	4.39	2	06/17/2025 16:02	WG2538475
Benzo(g,h,i)perylene	ND		0.0876	2	06/17/2025 16:02	WG2538475
Bis(2-chlorethoxy)methane	ND		0.876	2	06/17/2025 16:02	WG2538475
Bis(2-chloroethyl)ether	ND		0.876	2	06/17/2025 16:02	WG2538475
2,2-Oxybis(1-Chloropropane)	ND		0.876	2	06/17/2025 16:02	WG2538475
4-Bromophenyl-phenylether	ND		0.876	2	06/17/2025 16:02	WG2538475
2-Chloronaphthalene	ND		0.0876	2	06/17/2025 16:02	WG2538475
4-Chlorophenyl-phenylether	ND		0.876	2	06/17/2025 16:02	WG2538475
1,2-Dichlorobenzene	ND		0.876	2	06/17/2025 16:02	WG2538475
1,3-Dichlorobenzene	ND		0.876	2	06/17/2025 16:02	WG2538475
1,4-Dichlorobenzene	ND		0.876	2	06/17/2025 16:02	WG2538475
3,3-Dichlorobenzidine	ND		0.876	2	06/17/2025 16:02	WG2538475
2,4-Dinitrotoluene	ND		0.876	2	06/17/2025 16:02	WG2538475
2,6-Dinitrotoluene	ND		0.876	2	06/17/2025 16:02	WG2538475
Hexachlorobenzene	ND		0.876	2	06/17/2025 16:02	WG2538475
Hexachloro-1,3-butadiene	ND		0.876	2	06/17/2025 16:02	WG2538475
Hexachlorocyclopentadiene	ND	C7	0.876	2	06/17/2025 16:02	WG2538475
Hexachloroethane	ND		0.876	2	06/17/2025 16:02	WG2538475
Isophorone	ND		0.876	2	06/17/2025 16:02	WG2538475
Nitrobenzene	ND		0.876	2	06/17/2025 16:02	WG2538475
n-Nitrosodimethylamine	ND		0.876	2	06/17/2025 16:02	WG2538475
n-Nitrosodiphenylamine	ND		0.876	2	06/17/2025 16:02	WG2538475
n-Nitrosodi-n-propylamine	ND		0.876	2	06/17/2025 16:02	WG2538475
Phenanthrene	ND		0.0876	2	06/17/2025 16:02	WG2538475
Benzylbutyl phthalate	ND		0.876	2	06/17/2025 16:02	WG2538475
Bis(2-ethylhexyl)phthalate	ND		0.876	2	06/17/2025 16:02	WG2538475
Di-n-butyl phthalate	ND		0.876	2	06/17/2025 16:02	WG2538475
Diethyl phthalate	ND		0.876	2	06/17/2025 16:02	WG2538475
Dimethyl phthalate	ND		0.876	2	06/17/2025 16:02	WG2538475
Di-n-octyl phthalate	ND		0.876	2	06/17/2025 16:02	WG2538475
1,2,4-Trichlorobenzene	ND		0.876	2	06/17/2025 16:02	WG2538475
4-Chloro-3-methylphenol	ND		0.876	2	06/17/2025 16:02	WG2538475
2-Chlorophenol	ND		0.876	2	06/17/2025 16:02	WG2538475
2,4-Dichlorophenol	ND		0.876	2	06/17/2025 16:02	WG2538475
2,4-Dimethylphenol	ND		0.876	2	06/17/2025 16:02	WG2538475
4,6-Dinitro-2-methylphenol	ND		0.876	2	06/17/2025 16:02	WG2538475
2,4-Dinitrophenol	ND		0.876	2	06/17/2025 16:02	WG2538475
2-Nitrophenol	ND		0.876	2	06/17/2025 16:02	WG2538475
4-Nitrophenol	ND	C3	0.876	2	06/17/2025 16:02	WG2538475
Pentachlorophenol	ND		0.876	2	06/17/2025 16:02	WG2538475
Phenol	ND		0.876	2	06/17/2025 16:02	WG2538475
2,4,6-Trichlorophenol	ND		0.876	2	06/17/2025 16:02	WG2538475
(S) 2-Fluorophenol	78.0		12.0-120		06/17/2025 16:02	WG2538475
(S) Phenol-d5	69.5		10.0-120		06/17/2025 16:02	WG2538475
(S) Nitrobenzene-d5	78.2		10.0-122		06/17/2025 16:02	WG2538475
(S) 2-Fluorobiphenyl	72.3		15.0-120		06/17/2025 16:02	WG2538475
(S) 2,4,6-Tribromophenol	93.8		10.0-127		06/17/2025 16:02	WG2538475
(S) p-Terphenyl-d14	78.5		10.0-120		06/17/2025 16:02	WG2538475

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
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Sample Narrative:

L1869427-16 WG2538475: Dilution due to matrix impact during extract concentration procedure.

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0434	1	06/17/2025 03:24	WG2538512
Acenaphthene	ND		0.0434	1	06/17/2025 03:24	WG2538512
Acenaphthylene	ND		0.0434	1	06/17/2025 03:24	WG2538512
Benzo(a)anthracene	ND		0.00789	1	06/17/2025 03:24	WG2538512
Benzo(a)pyrene	ND		0.0434	1	06/17/2025 03:24	WG2538512
Benzo(b)fluoranthene	ND		0.0434	1	06/17/2025 03:24	WG2538512
Benzo(g,h,i)perylene	ND		0.0434	1	06/17/2025 03:24	WG2538512
Benzo(k)fluoranthene	ND		0.0434	1	06/17/2025 03:24	WG2538512
Chrysene	ND		0.0434	1	06/17/2025 03:24	WG2538512
Dibenz(a,h)anthracene	ND		0.0434	1	06/17/2025 03:24	WG2538512
Fluoranthene	ND		0.0434	1	06/17/2025 03:24	WG2538512
Fluorene	ND		0.0434	1	06/17/2025 03:24	WG2538512
Indeno(1,2,3-cd)pyrene	ND		0.0434	1	06/17/2025 03:24	WG2538512
Naphthalene	ND		0.00395	1	06/17/2025 03:24	WG2538512
Phenanthrene	ND		0.0434	1	06/17/2025 03:24	WG2538512
Pyrene	ND		0.0434	1	06/17/2025 03:24	WG2538512
1-Methylnaphthalene	ND		0.00395	1	06/17/2025 03:24	WG2538512
2-Methylnaphthalene	ND		0.0158	1	06/17/2025 03:24	WG2538512
(S) p-Terphenyl-d14	70.4		23.0-120		06/17/2025 03:24	WG2538512
(S) Nitrobenzene-d5	78.7		14.0-149		06/17/2025 03:24	WG2538512
(S) 2-Fluorobiphenyl	71.7		34.0-125		06/17/2025 03:24	WG2538512

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0500	1	06/13/2025 20:45	WG2538285
Acrolein	ND	C3	0.0500	1	06/13/2025 20:45	WG2538285
Acrylonitrile	ND		0.0100	1	06/13/2025 20:45	WG2538285
Benzene	ND		0.00100	1	06/13/2025 20:45	WG2538285
Bromobenzene	ND		0.00100	1	06/13/2025 20:45	WG2538285
Bromodichloromethane	ND		0.00100	1	06/13/2025 20:45	WG2538285
Bromoform	ND		0.00100	1	06/13/2025 20:45	WG2538285
Bromomethane	ND		0.00500	1	06/13/2025 20:45	WG2538285
n-Butylbenzene	ND		0.00100	1	06/13/2025 20:45	WG2538285
sec-Butylbenzene	ND		0.00100	1	06/13/2025 20:45	WG2538285
tert-Butylbenzene	ND		0.00100	1	06/13/2025 20:45	WG2538285
Carbon tetrachloride	ND		0.00100	1	06/13/2025 20:45	WG2538285
Chlorobenzene	ND		0.00100	1	06/13/2025 20:45	WG2538285
Chlorodibromomethane	ND		0.00100	1	06/13/2025 20:45	WG2538285
Chloroethane	ND		0.00500	1	06/13/2025 20:45	WG2538285
Chloroform	ND		0.00500	1	06/13/2025 20:45	WG2538285
Chloromethane	ND	C3	0.00250	1	06/13/2025 20:45	WG2538285
2-Chlorotoluene	ND		0.00100	1	06/13/2025 20:45	WG2538285
4-Chlorotoluene	ND		0.00100	1	06/13/2025 20:45	WG2538285
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	06/13/2025 20:45	WG2538285
1,2-Dibromoethane	ND		0.00100	1	06/13/2025 20:45	WG2538285
Dibromomethane	ND		0.00100	1	06/13/2025 20:45	WG2538285
1,2-Dichlorobenzene	ND		0.00100	1	06/13/2025 20:45	WG2538285
1,3-Dichlorobenzene	ND		0.00100	1	06/13/2025 20:45	WG2538285
1,4-Dichlorobenzene	ND		0.00100	1	06/13/2025 20:45	WG2538285
Dichlorodifluoromethane	ND		0.00500	1	06/13/2025 20:45	WG2538285
1,1-Dichloroethane	ND		0.00100	1	06/13/2025 20:45	WG2538285
1,2-Dichloroethane	ND		0.00100	1	06/13/2025 20:45	WG2538285
1,1-Dichloroethene	ND		0.00100	1	06/13/2025 20:45	WG2538285
cis-1,2-Dichloroethene	ND		0.00100	1	06/13/2025 20:45	WG2538285
trans-1,2-Dichloroethene	ND		0.00100	1	06/13/2025 20:45	WG2538285
1,2-Dichloropropane	ND		0.00100	1	06/13/2025 20:45	WG2538285
1,1-Dichloropropene	ND		0.00100	1	06/13/2025 20:45	WG2538285
1,3-Dichloropropane	ND		0.00100	1	06/13/2025 20:45	WG2538285
cis-1,3-Dichloropropene	ND		0.00100	1	06/13/2025 20:45	WG2538285
trans-1,3-Dichloropropene	ND		0.00100	1	06/13/2025 20:45	WG2538285
2,2-Dichloropropane	ND		0.00100	1	06/13/2025 20:45	WG2538285
Di-isopropyl ether	ND		0.00100	1	06/13/2025 20:45	WG2538285
Ethylbenzene	ND		0.00100	1	06/13/2025 20:45	WG2538285
Hexachloro-1,3-butadiene	ND		0.00100	1	06/13/2025 20:45	WG2538285
Isopropylbenzene	ND		0.00100	1	06/13/2025 20:45	WG2538285
p-Isopropyltoluene	ND		0.00100	1	06/13/2025 20:45	WG2538285
2-Butanone (MEK)	ND	C3	0.0100	1	06/13/2025 20:45	WG2538285
Methylene Chloride	ND		0.00500	1	06/13/2025 20:45	WG2538285
4-Methyl-2-pentanone (MIBK)	ND	C3	0.0100	1	06/13/2025 20:45	WG2538285
Methyl tert-butyl ether	ND		0.00100	1	06/13/2025 20:45	WG2538285
Naphthalene	ND		0.00500	1	06/13/2025 20:45	WG2538285
n-Propylbenzene	ND		0.00100	1	06/13/2025 20:45	WG2538285
Styrene	ND		0.00100	1	06/13/2025 20:45	WG2538285
1,1,1,2-Tetrachloroethane	ND		0.00100	1	06/13/2025 20:45	WG2538285
1,1,2,2-Tetrachloroethane	ND		0.00100	1	06/13/2025 20:45	WG2538285
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	06/13/2025 20:45	WG2538285
Tetrachloroethene	ND		0.00100	1	06/13/2025 20:45	WG2538285
Toluene	ND		0.00100	1	06/13/2025 20:45	WG2538285
1,2,3-Trichlorobenzene	ND		0.00100	1	06/13/2025 20:45	WG2538285
1,2,4-Trichlorobenzene	ND		0.00100	1	06/13/2025 20:45	WG2538285



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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00100	1	06/13/2025 20:45	WG2538285
1,1,2-Trichloroethane	ND		0.00100	1	06/13/2025 20:45	WG2538285
Trichloroethene	ND		0.00100	1	06/13/2025 20:45	WG2538285
Trichlorofluoromethane	ND		0.00500	1	06/13/2025 20:45	WG2538285
1,2,3-Trichloropropane	ND		0.00250	1	06/13/2025 20:45	WG2538285
1,2,4-Trimethylbenzene	ND		0.00100	1	06/13/2025 20:45	WG2538285
1,2,3-Trimethylbenzene	ND		0.00100	1	06/13/2025 20:45	WG2538285
1,3,5-Trimethylbenzene	ND		0.00100	1	06/13/2025 20:45	WG2538285
Vinyl chloride	ND		0.00100	1	06/13/2025 20:45	WG2538285
Xylenes, Total	ND		0.00300	1	06/13/2025 20:45	WG2538285
(S) Toluene-d8	101		80.0-120		06/13/2025 20:45	WG2538285
(S) 4-Bromofluorobenzene	99.2		77.0-126		06/13/2025 20:45	WG2538285
(S) 1,2-Dichloroethane-d4	93.7		70.0-130		06/13/2025 20:45	WG2538285

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.26		1	06/20/2025 11:14	WG2540937

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	2990		24.3	1	06/17/2025 13:19	WG2538422

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.2		1	06/13/2025 20:09	WG2538346

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		12.0	1	06/17/2025 01:52	WG2538429

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	2990		120	5	06/17/2025 13:19	WG2539790

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.240	1	06/26/2025 07:36	WG2538833

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.90		1	06/21/2025 10:11	WG2543012

Sample Narrative:

L1869427-18 WG2543012: 7.9 at 23.2C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	775	umhos/cm		10.0	1	06/23/2025 18:29	WG2543045

Sample Narrative:

L1869427-18 WG2543045: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		24.3	1.01	06/14/2025 20:57	WG2538422

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	17200		500	5	06/17/2025 18:23	WG2538557

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.53		0.200	1	06/19/2025 13:44	WG2540950

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	5380		24.0	1	06/14/2025 14:21	WG2538469
Antimony	ND		2.40	1	06/14/2025 14:21	WG2538469
Beryllium	0.686		0.240	1	06/14/2025 14:21	WG2538469
Calcium	7240		120	1	06/14/2025 14:21	WG2538469
Chromium	6.35		1.20	1	06/14/2025 14:21	WG2538469
Cobalt	4.53		1.20	1	06/14/2025 14:21	WG2538469
Iron	12700		12.0	1	06/14/2025 14:21	WG2538469
Magnesium	2890		120	1	06/14/2025 14:21	WG2538469
Manganese	458		1.20	1	06/14/2025 14:21	WG2538469
Potassium	2990		120	1	06/14/2025 14:21	WG2538469
Sodium	164		120	1	06/14/2025 14:21	WG2538469
Thallium	ND		2.40	1	06/14/2025 14:21	WG2538469
Vanadium	21.6		2.40	1	06/14/2025 14:21	WG2538469

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.66		0.120	5	06/16/2025 04:19	WG2538477
Barium	90.2		12.0	5	06/16/2025 04:19	WG2538477
Cadmium	0.410		0.120	5	06/16/2025 04:19	WG2538477
Copper	37.2		12.0	5	06/16/2025 04:19	WG2538477
Lead	ND		12.0	5	06/16/2025 04:19	WG2538477
Nickel	ND		12.0	5	06/16/2025 04:19	WG2538477
Selenium	0.556		0.120	5	06/16/2025 04:19	WG2538477
Silver	ND		0.601	5	06/16/2025 04:19	WG2538477
Zinc	ND		60.1	5	06/16/2025 04:19	WG2538477

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		3.51	25	06/13/2025 23:54	WG2538252
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	98.6		77.0-120		06/13/2025 23:54	WG2538252

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0702	1	06/14/2025 13:51	WG2538686
Acrylonitrile	ND		0.0176	1	06/14/2025 13:51	WG2538686
Benzene	ND		0.00140	1	06/14/2025 13:51	WG2538686
Bromobenzene	ND		0.0176	1	06/14/2025 13:51	WG2538686
Bromodichloromethane	ND		0.00351	1	06/14/2025 13:51	WG2538686
Bromoform	ND		0.0351	1	06/14/2025 13:51	WG2538686
Bromomethane	ND	C3	0.0176	1	06/14/2025 13:51	WG2538686
n-Butylbenzene	ND		0.0176	1	06/14/2025 13:51	WG2538686
sec-Butylbenzene	ND		0.0176	1	06/14/2025 13:51	WG2538686
tert-Butylbenzene	ND		0.00702	1	06/14/2025 13:51	WG2538686
Carbon tetrachloride	ND		0.00702	1	06/14/2025 13:51	WG2538686
Chlorobenzene	ND		0.00351	1	06/14/2025 13:51	WG2538686
Chlorodibromomethane	ND		0.00351	1	06/14/2025 13:51	WG2538686



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND		0.00702	1	06/14/2025 13:51	WG2538686
Chloroform	ND		0.00351	1	06/14/2025 13:51	WG2538686
Chloromethane	ND		0.0176	1	06/14/2025 13:51	WG2538686
2-Chlorotoluene	ND		0.00351	1	06/14/2025 13:51	WG2538686
4-Chlorotoluene	ND		0.00702	1	06/14/2025 13:51	WG2538686
1,2-Dibromo-3-Chloropropane	ND		0.0351	1	06/14/2025 13:51	WG2538686
1,2-Dibromoethane	ND		0.00351	1	06/14/2025 13:51	WG2538686
Dibromomethane	ND		0.00702	1	06/14/2025 13:51	WG2538686
1,2-Dichlorobenzene	ND		0.00702	1	06/14/2025 13:51	WG2538686
1,3-Dichlorobenzene	ND		0.00702	1	06/14/2025 13:51	WG2538686
1,4-Dichlorobenzene	ND		0.00702	1	06/14/2025 13:51	WG2538686
Dichlorodifluoromethane	ND		0.00702	1	06/14/2025 13:51	WG2538686
1,1-Dichloroethane	ND		0.00351	1	06/14/2025 13:51	WG2538686
1,2-Dichloroethane	ND		0.00351	1	06/14/2025 13:51	WG2538686
1,1-Dichloroethene	ND		0.00351	1	06/14/2025 13:51	WG2538686
cis-1,2-Dichloroethene	ND		0.00351	1	06/14/2025 13:51	WG2538686
trans-1,2-Dichloroethene	ND		0.00702	1	06/14/2025 13:51	WG2538686
1,2-Dichloropropane	ND		0.00702	1	06/14/2025 13:51	WG2538686
1,1-Dichloropropene	ND		0.00351	1	06/14/2025 13:51	WG2538686
1,3-Dichloropropane	ND		0.00702	1	06/14/2025 13:51	WG2538686
cis-1,3-Dichloropropene	ND		0.00351	1	06/14/2025 13:51	WG2538686
trans-1,3-Dichloropropene	ND		0.00702	1	06/14/2025 13:51	WG2538686
2,2-Dichloropropane	ND		0.00351	1	06/14/2025 13:51	WG2538686
Di-isopropyl ether	ND		0.00140	1	06/14/2025 13:51	WG2538686
Ethylbenzene	ND		0.0140	1	06/14/2025 13:51	WG2538686
Hexachloro-1,3-butadiene	ND	C3	0.0351	1	06/14/2025 13:51	WG2538686
Isopropylbenzene	ND		0.00351	1	06/14/2025 13:51	WG2538686
p-Isopropyltoluene	ND		0.00702	1	06/14/2025 13:51	WG2538686
2-Butanone (MEK)	ND	J4	0.140	1	06/14/2025 13:51	WG2538686
Methylene Chloride	ND		0.0351	1	06/14/2025 13:51	WG2538686
4-Methyl-2-pentanone (MIBK)	ND		0.0351	1	06/14/2025 13:51	WG2538686
Methyl tert-butyl ether	ND		0.00140	1	06/14/2025 13:51	WG2538686
n-Propylbenzene	ND		0.00702	1	06/14/2025 13:51	WG2538686
Styrene	ND		0.0176	1	06/14/2025 13:51	WG2538686
1,1,1,2-Tetrachloroethane	ND		0.00351	1	06/14/2025 13:51	WG2538686
1,1,2,2-Tetrachloroethane	ND		0.00351	1	06/14/2025 13:51	WG2538686
1,1,2-Trichlorotrifluoroethane	ND		0.00351	1	06/14/2025 13:51	WG2538686
Tetrachloroethene	ND	C3	0.00351	1	06/14/2025 13:51	WG2538686
Toluene	ND		0.0140	1	06/14/2025 13:51	WG2538686
1,2,3-Trichlorobenzene	ND	C3	0.0176	1	06/14/2025 13:51	WG2538686
1,2,4-Trichlorobenzene	ND		0.0176	1	06/14/2025 13:51	WG2538686
1,1,1-Trichloroethane	ND		0.00351	1	06/14/2025 13:51	WG2538686
1,1,2-Trichloroethane	ND		0.00351	1	06/14/2025 13:51	WG2538686
Trichloroethene	ND		0.00140	1	06/14/2025 13:51	WG2538686
Trichlorofluoromethane	ND		0.00351	1	06/14/2025 13:51	WG2538686
1,2,3-Trichloropropane	ND		0.0176	1	06/14/2025 13:51	WG2538686
1,2,3-Trimethylbenzene	ND		0.00702	1	06/14/2025 13:51	WG2538686
1,2,4-Trimethylbenzene	ND		0.00702	1	06/14/2025 13:51	WG2538686
1,3,5-Trimethylbenzene	ND		0.00702	1	06/14/2025 13:51	WG2538686
Vinyl chloride	ND		0.00351	1	06/14/2025 13:51	WG2538686
Xylenes, Total	ND		0.140	1	06/14/2025 13:51	WG2538686
(S) Toluene-d8	93.9		75.0-131		06/14/2025 13:51	WG2538686
(S) 4-Bromofluorobenzene	103		67.0-138		06/14/2025 13:51	WG2538686
(S) 1,2-Dichloroethane-d4	113		70.0-130		06/14/2025 13:51	WG2538686



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	11.3		4.81	1	06/17/2025 03:06	WG2538491
C28-C36 Motor Oil Range	101		4.81	1	06/17/2025 03:06	WG2538491
(S) o-Terphenyl	52.6		18.0-148		06/17/2025 03:06	WG2538491

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		0.0800	2	06/17/2025 16:24	WG2538475
Benzidine	ND	J4	4.01	2	06/17/2025 16:24	WG2538475
Benzo(g,h,i)perylene	ND		0.0800	2	06/17/2025 16:24	WG2538475
Bis(2-chlorethoxy)methane	ND		0.800	2	06/17/2025 16:24	WG2538475
Bis(2-chloroethyl)ether	ND		0.800	2	06/17/2025 16:24	WG2538475
2,2-Oxybis(1-Chloropropane)	ND		0.800	2	06/17/2025 16:24	WG2538475
4-Bromophenyl-phenylether	ND		0.800	2	06/17/2025 16:24	WG2538475
2-Chloronaphthalene	ND		0.0800	2	06/17/2025 16:24	WG2538475
4-Chlorophenyl-phenylether	ND		0.800	2	06/17/2025 16:24	WG2538475
1,2-Dichlorobenzene	ND		0.800	2	06/17/2025 16:24	WG2538475
1,3-Dichlorobenzene	ND		0.800	2	06/17/2025 16:24	WG2538475
1,4-Dichlorobenzene	ND		0.800	2	06/17/2025 16:24	WG2538475
3,3-Dichlorobenzidine	ND		0.800	2	06/17/2025 16:24	WG2538475
2,4-Dinitrotoluene	ND		0.800	2	06/17/2025 16:24	WG2538475
2,6-Dinitrotoluene	ND		0.800	2	06/17/2025 16:24	WG2538475
Hexachlorobenzene	ND		0.800	2	06/17/2025 16:24	WG2538475
Hexachloro-1,3-butadiene	ND		0.800	2	06/17/2025 16:24	WG2538475
Hexachlorocyclopentadiene	ND	C7	0.800	2	06/17/2025 16:24	WG2538475
Hexachloroethane	ND		0.800	2	06/17/2025 16:24	WG2538475
Isophorone	ND		0.800	2	06/17/2025 16:24	WG2538475
Nitrobenzene	ND		0.800	2	06/17/2025 16:24	WG2538475
n-Nitrosodimethylamine	ND		0.800	2	06/17/2025 16:24	WG2538475
n-Nitrosodiphenylamine	ND		0.800	2	06/17/2025 16:24	WG2538475
n-Nitrosodi-n-propylamine	ND		0.800	2	06/17/2025 16:24	WG2538475
Phenanthrene	ND		0.0800	2	06/17/2025 16:24	WG2538475
Benzylbutyl phthalate	ND		0.800	2	06/17/2025 16:24	WG2538475
Bis(2-ethylhexyl)phthalate	ND		0.800	2	06/17/2025 16:24	WG2538475
Di-n-butyl phthalate	ND		0.800	2	06/17/2025 16:24	WG2538475
Diethyl phthalate	ND		0.800	2	06/17/2025 16:24	WG2538475
Dimethyl phthalate	ND		0.800	2	06/17/2025 16:24	WG2538475
Di-n-octyl phthalate	ND		0.800	2	06/17/2025 16:24	WG2538475
1,2,4-Trichlorobenzene	ND		0.800	2	06/17/2025 16:24	WG2538475
4-Chloro-3-methylphenol	ND		0.800	2	06/17/2025 16:24	WG2538475
2-Chlorophenol	ND		0.800	2	06/17/2025 16:24	WG2538475
2,4-Dichlorophenol	ND		0.800	2	06/17/2025 16:24	WG2538475
2,4-Dimethylphenol	ND		0.800	2	06/17/2025 16:24	WG2538475
4,6-Dinitro-2-methylphenol	ND		0.800	2	06/17/2025 16:24	WG2538475
2,4-Dinitrophenol	ND		0.800	2	06/17/2025 16:24	WG2538475
2-Nitrophenol	ND		0.800	2	06/17/2025 16:24	WG2538475
4-Nitrophenol	ND	C3	0.800	2	06/17/2025 16:24	WG2538475
Pentachlorophenol	ND		0.800	2	06/17/2025 16:24	WG2538475
Phenol	ND		0.800	2	06/17/2025 16:24	WG2538475
2,4,6-Trichlorophenol	ND		0.800	2	06/17/2025 16:24	WG2538475
(S) 2-Fluorophenol	76.1		12.0-120		06/17/2025 16:24	WG2538475
(S) Phenol-d5	69.1		10.0-120		06/17/2025 16:24	WG2538475
(S) Nitrobenzene-d5	75.9		10.0-122		06/17/2025 16:24	WG2538475
(S) 2-Fluorobiphenyl	78.5		15.0-120		06/17/2025 16:24	WG2538475
(S) 2,4,6-Tribromophenol	95.6		10.0-127		06/17/2025 16:24	WG2538475
(S) p-Terphenyl-d14	73.4		10.0-120		06/17/2025 16:24	WG2538475

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
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Sample Narrative:

L1869427-18 WG2538475: Dilution due to matrix impact during extract concentration procedure.

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0397	1	06/17/2025 00:29	WG2538512
Acenaphthene	ND		0.0397	1	06/17/2025 00:29	WG2538512
Acenaphthylene	ND		0.0397	1	06/17/2025 00:29	WG2538512
Benzo(a)anthracene	ND		0.00721	1	06/17/2025 00:29	WG2538512
Benzo(a)pyrene	ND		0.0397	1	06/17/2025 00:29	WG2538512
Benzo(b)fluoranthene	ND		0.0397	1	06/17/2025 00:29	WG2538512
Benzo(g,h,i)perylene	ND		0.0397	1	06/17/2025 00:29	WG2538512
Benzo(k)fluoranthene	ND		0.0397	1	06/17/2025 00:29	WG2538512
Chrysene	ND		0.0397	1	06/17/2025 00:29	WG2538512
Dibenz(a,h)anthracene	ND		0.0397	1	06/17/2025 00:29	WG2538512
Fluoranthene	ND		0.0397	1	06/17/2025 00:29	WG2538512
Fluorene	ND		0.0397	1	06/17/2025 00:29	WG2538512
Indeno(1,2,3-cd)pyrene	ND		0.0397	1	06/17/2025 00:29	WG2538512
Naphthalene	ND		0.00360	1	06/17/2025 00:29	WG2538512
Phenanthrene	ND		0.0397	1	06/17/2025 00:29	WG2538512
Pyrene	ND		0.0397	1	06/17/2025 00:29	WG2538512
1-Methylnaphthalene	ND		0.00360	1	06/17/2025 00:29	WG2538512
2-Methylnaphthalene	ND		0.0144	1	06/17/2025 00:29	WG2538512
(S) p-Terphenyl-d14	98.3		23.0-120		06/17/2025 00:29	WG2538512
(S) Nitrobenzene-d5	99.4		14.0-149		06/17/2025 00:29	WG2538512
(S) 2-Fluorobiphenyl	97.1		34.0-125		06/17/2025 00:29	WG2538512

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.644		1	06/20/2025 11:17	WG2540937

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	2990		21.2	1	06/17/2025 13:21	WG2538422

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.5		1	06/13/2025 20:09	WG2538346

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		10.6	1	06/17/2025 01:58	WG2538429

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	2980		106	5	06/17/2025 13:21	WG2539790

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.212	1	06/26/2025 07:45	WG2538833

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.44		1	06/21/2025 10:11	WG2543012

Sample Narrative:

L1869427-19 WG2543012: 7.44 at 23.1C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	849	umhos/cm		10.0	1	06/23/2025 18:29	WG2543045

Sample Narrative:

L1869427-19 WG2543045: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		21.2	1	06/14/2025 21:13	WG2538422

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	21400		500	5	06/17/2025 18:23	WG2538557

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.62		0.200	1	06/19/2025 13:49	WG2540950

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	5190		21.2	1	06/14/2025 14:30	WG2538469
Antimony	ND		2.12	1	06/14/2025 14:30	WG2538469
Beryllium	0.567		0.212	1	06/14/2025 14:30	WG2538469
Calcium	7050		106	1	06/14/2025 14:30	WG2538469
Chromium	6.50		1.06	1	06/14/2025 14:30	WG2538469
Cobalt	4.10		1.06	1	06/14/2025 14:30	WG2538469
Iron	9160		10.6	1	06/14/2025 14:30	WG2538469
Magnesium	2970		106	1	06/14/2025 14:30	WG2538469
Manganese	287		1.06	1	06/14/2025 14:30	WG2538469
Potassium	3090		106	1	06/14/2025 14:30	WG2538469
Sodium	132		106	1	06/14/2025 14:30	WG2538469
Thallium	ND		2.12	1	06/14/2025 14:30	WG2538469
Vanadium	14.4		2.12	1	06/14/2025 14:30	WG2538469

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.06		0.106	5	06/16/2025 04:28	WG2538477
Barium	81.2		10.6	5	06/16/2025 04:28	WG2538477
Cadmium	0.301		0.106	5	06/16/2025 04:28	WG2538477
Copper	49.2		10.6	5	06/16/2025 04:28	WG2538477
Lead	ND		10.6	5	06/16/2025 04:28	WG2538477
Nickel	ND		10.6	5	06/16/2025 04:28	WG2538477
Selenium	0.401		0.106	5	06/16/2025 04:28	WG2538477
Silver	ND		0.529	5	06/16/2025 04:28	WG2538477
Zinc	55.3		52.9	5	06/16/2025 04:28	WG2538477

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		2.79	25	06/14/2025 00:14	WG2538252
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	97.5		77.0-120		06/14/2025 00:14	WG2538252

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0559	1	06/14/2025 14:10	WG2538686
Acrylonitrile	ND		0.0140	1	06/14/2025 14:10	WG2538686
Benzene	ND		0.00112	1	06/14/2025 14:10	WG2538686
Bromobenzene	ND		0.0140	1	06/14/2025 14:10	WG2538686
Bromodichloromethane	ND		0.00279	1	06/14/2025 14:10	WG2538686
Bromoform	ND		0.0279	1	06/14/2025 14:10	WG2538686
Bromomethane	ND	C3	0.0140	1	06/14/2025 14:10	WG2538686
n-Butylbenzene	ND		0.0140	1	06/14/2025 14:10	WG2538686
sec-Butylbenzene	ND		0.0140	1	06/14/2025 14:10	WG2538686
tert-Butylbenzene	ND		0.00559	1	06/14/2025 14:10	WG2538686
Carbon tetrachloride	ND		0.00559	1	06/14/2025 14:10	WG2538686
Chlorobenzene	ND		0.00279	1	06/14/2025 14:10	WG2538686
Chlorodibromomethane	ND		0.00279	1	06/14/2025 14:10	WG2538686

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND		0.00559	1	06/14/2025 14:10	WG2538686
Chloroform	ND		0.00279	1	06/14/2025 14:10	WG2538686
Chloromethane	ND		0.0140	1	06/14/2025 14:10	WG2538686
2-Chlorotoluene	ND		0.00279	1	06/14/2025 14:10	WG2538686
4-Chlorotoluene	ND		0.00559	1	06/14/2025 14:10	WG2538686
1,2-Dibromo-3-Chloropropane	ND		0.0279	1	06/14/2025 14:10	WG2538686
1,2-Dibromoethane	ND		0.00279	1	06/14/2025 14:10	WG2538686
Dibromomethane	ND		0.00559	1	06/14/2025 14:10	WG2538686
1,2-Dichlorobenzene	ND		0.00559	1	06/14/2025 14:10	WG2538686
1,3-Dichlorobenzene	ND		0.00559	1	06/14/2025 14:10	WG2538686
1,4-Dichlorobenzene	ND		0.00559	1	06/14/2025 14:10	WG2538686
Dichlorodifluoromethane	ND		0.00559	1	06/14/2025 14:10	WG2538686
1,1-Dichloroethane	ND		0.00279	1	06/14/2025 14:10	WG2538686
1,2-Dichloroethane	ND		0.00279	1	06/14/2025 14:10	WG2538686
1,1-Dichloroethene	ND		0.00279	1	06/14/2025 14:10	WG2538686
cis-1,2-Dichloroethene	ND		0.00279	1	06/14/2025 14:10	WG2538686
trans-1,2-Dichloroethene	ND		0.00559	1	06/14/2025 14:10	WG2538686
1,2-Dichloropropane	ND		0.00559	1	06/14/2025 14:10	WG2538686
1,1-Dichloropropene	ND		0.00279	1	06/14/2025 14:10	WG2538686
1,3-Dichloropropane	ND		0.00559	1	06/14/2025 14:10	WG2538686
cis-1,3-Dichloropropene	ND		0.00279	1	06/14/2025 14:10	WG2538686
trans-1,3-Dichloropropene	ND		0.00559	1	06/14/2025 14:10	WG2538686
2,2-Dichloropropane	ND		0.00279	1	06/14/2025 14:10	WG2538686
Di-isopropyl ether	ND		0.00112	1	06/14/2025 14:10	WG2538686
Ethylbenzene	ND		0.0112	1	06/14/2025 14:10	WG2538686
Hexachloro-1,3-butadiene	ND	C3	0.0279	1	06/14/2025 14:10	WG2538686
Isopropylbenzene	ND		0.00279	1	06/14/2025 14:10	WG2538686
p-Isopropyltoluene	ND		0.00559	1	06/14/2025 14:10	WG2538686
2-Butanone (MEK)	ND	J4	0.112	1	06/14/2025 14:10	WG2538686
Methylene Chloride	ND		0.0279	1	06/14/2025 14:10	WG2538686
4-Methyl-2-pentanone (MIBK)	ND		0.0279	1	06/14/2025 14:10	WG2538686
Methyl tert-butyl ether	ND		0.00112	1	06/14/2025 14:10	WG2538686
n-Propylbenzene	ND		0.00559	1	06/14/2025 14:10	WG2538686
Styrene	ND		0.0140	1	06/14/2025 14:10	WG2538686
1,1,1,2-Tetrachloroethane	ND		0.00279	1	06/14/2025 14:10	WG2538686
1,1,2,2-Tetrachloroethane	ND		0.00279	1	06/14/2025 14:10	WG2538686
1,1,2-Trichlorotrifluoroethane	ND		0.00279	1	06/14/2025 14:10	WG2538686
Tetrachloroethene	ND	C3	0.00279	1	06/14/2025 14:10	WG2538686
Toluene	ND		0.0112	1	06/14/2025 14:10	WG2538686
1,2,3-Trichlorobenzene	ND	C3	0.0140	1	06/14/2025 14:10	WG2538686
1,2,4-Trichlorobenzene	ND		0.0140	1	06/14/2025 14:10	WG2538686
1,1,1-Trichloroethane	ND		0.00279	1	06/14/2025 14:10	WG2538686
1,1,2-Trichloroethane	ND		0.00279	1	06/14/2025 14:10	WG2538686
Trichloroethene	ND		0.00112	1	06/14/2025 14:10	WG2538686
Trichlorofluoromethane	ND		0.00279	1	06/14/2025 14:10	WG2538686
1,2,3-Trichloropropane	ND		0.0140	1	06/14/2025 14:10	WG2538686
1,2,3-Trimethylbenzene	ND		0.00559	1	06/14/2025 14:10	WG2538686
1,2,4-Trimethylbenzene	ND		0.00559	1	06/14/2025 14:10	WG2538686
1,3,5-Trimethylbenzene	ND		0.00559	1	06/14/2025 14:10	WG2538686
Vinyl chloride	ND		0.00279	1	06/14/2025 14:10	WG2538686
Xylenes, Total	ND		0.112	1	06/14/2025 14:10	WG2538686
(S) Toluene-d8	96.4		75.0-131		06/14/2025 14:10	WG2538686
(S) 4-Bromofluorobenzene	92.3		67.0-138		06/14/2025 14:10	WG2538686
(S) 1,2-Dichloroethane-d4	107		70.0-130		06/14/2025 14:10	WG2538686



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	11.5		4.23	1	06/17/2025 01:37	WG2538491
C28-C36 Motor Oil Range	112		4.23	1	06/17/2025 01:37	WG2538491
(S) o-Terphenyl	47.4		18.0-148		06/17/2025 01:37	WG2538491

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		0.0352	1	06/17/2025 12:06	WG2538475
Benzidine	ND	J4	1.77	1	06/17/2025 12:06	WG2538475
Benzo(g,h,i)perylene	ND		0.0352	1	06/17/2025 12:06	WG2538475
Bis(2-chlorethoxy)methane	ND		0.352	1	06/17/2025 12:06	WG2538475
Bis(2-chloroethyl)ether	ND		0.352	1	06/17/2025 12:06	WG2538475
2,2-Oxybis(1-Chloropropane)	ND		0.352	1	06/17/2025 12:06	WG2538475
4-Bromophenyl-phenylether	ND		0.352	1	06/17/2025 12:06	WG2538475
2-Chloronaphthalene	ND		0.0352	1	06/17/2025 12:06	WG2538475
4-Chlorophenyl-phenylether	ND		0.352	1	06/17/2025 12:06	WG2538475
1,2-Dichlorobenzene	ND		0.352	1	06/17/2025 12:06	WG2538475
1,3-Dichlorobenzene	ND		0.352	1	06/17/2025 12:06	WG2538475
1,4-Dichlorobenzene	ND		0.352	1	06/17/2025 12:06	WG2538475
3,3-Dichlorobenzidine	ND		0.352	1	06/17/2025 12:06	WG2538475
2,4-Dinitrotoluene	ND		0.352	1	06/17/2025 12:06	WG2538475
2,6-Dinitrotoluene	ND		0.352	1	06/17/2025 12:06	WG2538475
Hexachlorobenzene	ND		0.352	1	06/17/2025 12:06	WG2538475
Hexachloro-1,3-butadiene	ND		0.352	1	06/17/2025 12:06	WG2538475
Hexachlorocyclopentadiene	ND	C7	0.352	1	06/17/2025 12:06	WG2538475
Hexachloroethane	ND		0.352	1	06/17/2025 12:06	WG2538475
Isophorone	ND		0.352	1	06/17/2025 12:06	WG2538475
Nitrobenzene	ND		0.352	1	06/17/2025 12:06	WG2538475
n-Nitrosodimethylamine	ND		0.352	1	06/17/2025 12:06	WG2538475
n-Nitrosodiphenylamine	ND		0.352	1	06/17/2025 12:06	WG2538475
n-Nitrosodi-n-propylamine	ND		0.352	1	06/17/2025 12:06	WG2538475
Phenanthrene	ND		0.0352	1	06/17/2025 12:06	WG2538475
Benzylbutyl phthalate	ND		0.352	1	06/17/2025 12:06	WG2538475
Bis(2-ethylhexyl)phthalate	ND		0.352	1	06/17/2025 12:06	WG2538475
Di-n-butyl phthalate	ND		0.352	1	06/17/2025 12:06	WG2538475
Diethyl phthalate	ND		0.352	1	06/17/2025 12:06	WG2538475
Dimethyl phthalate	ND		0.352	1	06/17/2025 12:06	WG2538475
Di-n-octyl phthalate	ND		0.352	1	06/17/2025 12:06	WG2538475
1,2,4-Trichlorobenzene	ND		0.352	1	06/17/2025 12:06	WG2538475
4-Chloro-3-methylphenol	ND		0.352	1	06/17/2025 12:06	WG2538475
2-Chlorophenol	ND		0.352	1	06/17/2025 12:06	WG2538475
2,4-Dichlorophenol	ND		0.352	1	06/17/2025 12:06	WG2538475
2,4-Dimethylphenol	ND		0.352	1	06/17/2025 12:06	WG2538475
4,6-Dinitro-2-methylphenol	ND		0.352	1	06/17/2025 12:06	WG2538475
2,4-Dinitrophenol	ND		0.352	1	06/17/2025 12:06	WG2538475
2-Nitrophenol	ND		0.352	1	06/17/2025 12:06	WG2538475
4-Nitrophenol	ND	C3	0.352	1	06/17/2025 12:06	WG2538475
Pentachlorophenol	ND		0.352	1	06/17/2025 12:06	WG2538475
Phenol	ND		0.352	1	06/17/2025 12:06	WG2538475
2,4,6-Trichlorophenol	ND		0.352	1	06/17/2025 12:06	WG2538475
(S) 2-Fluorophenol	62.3		12.0-120		06/17/2025 12:06	WG2538475
(S) Phenol-d5	62.3		10.0-120		06/17/2025 12:06	WG2538475
(S) Nitrobenzene-d5	69.3		10.0-122		06/17/2025 12:06	WG2538475
(S) 2-Fluorobiphenyl	76.4		15.0-120		06/17/2025 12:06	WG2538475
(S) 2,4,6-Tribromophenol	92.9		10.0-127		06/17/2025 12:06	WG2538475
(S) p-Terphenyl-d14	69.6		10.0-120		06/17/2025 12:06	WG2538475

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0349	1	06/17/2025 00:49	WG2538512
Acenaphthene	ND		0.0349	1	06/17/2025 00:49	WG2538512
Acenaphthylene	ND		0.0349	1	06/17/2025 00:49	WG2538512
Benzo(a)anthracene	ND		0.00635	1	06/17/2025 00:49	WG2538512
Benzo(a)pyrene	ND		0.0349	1	06/17/2025 00:49	WG2538512
Benzo(b)fluoranthene	ND		0.0349	1	06/17/2025 00:49	WG2538512
Benzo(g,h,i)perylene	ND		0.0349	1	06/17/2025 00:49	WG2538512
Benzo(k)fluoranthene	ND		0.0349	1	06/17/2025 00:49	WG2538512
Chrysene	ND		0.0349	1	06/17/2025 00:49	WG2538512
Dibenz(a,h)anthracene	ND		0.0349	1	06/17/2025 00:49	WG2538512
Fluoranthene	ND		0.0349	1	06/17/2025 00:49	WG2538512
Fluorene	ND		0.0349	1	06/17/2025 00:49	WG2538512
Indeno(1,2,3-cd)pyrene	ND		0.0349	1	06/17/2025 00:49	WG2538512
Naphthalene	ND		0.00318	1	06/17/2025 00:49	WG2538512
Phenanthrene	ND		0.0349	1	06/17/2025 00:49	WG2538512
Pyrene	ND		0.0349	1	06/17/2025 00:49	WG2538512
1-Methylnaphthalene	ND		0.00318	1	06/17/2025 00:49	WG2538512
2-Methylnaphthalene	ND		0.0127	1	06/17/2025 00:49	WG2538512
(S) p-Terphenyl-d14	104		23.0-120		06/17/2025 00:49	WG2538512
(S) Nitrobenzene-d5	103		14.0-149		06/17/2025 00:49	WG2538512
(S) 2-Fluorobiphenyl	101		34.0-125		06/17/2025 00:49	WG2538512

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.440		1	06/20/2025 11:20	WG2540937

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	337		20.6	1	06/17/2025 13:23	WG2538422

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	97.1		1	06/13/2025 20:09	WG2538346

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		10.3	1	06/17/2025 02:00	WG2538429

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	332		103	5	06/17/2025 13:23	WG2539790

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.206	1	06/26/2025 07:54	WG2538833

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.14		1	06/21/2025 10:11	WG2543012

Sample Narrative:

L1869427-20 WG2543012: 8.14 at 23.6C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	380	umhos/cm		10.0	1	06/23/2025 18:29	WG2543045

Sample Narrative:

L1869427-20 WG2543045: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		20.6	1	06/14/2025 21:29	WG2538422

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	2650		500	5	06/17/2025 18:23	WG2538557

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.481		0.200	1	06/19/2025 13:51	WG2540950

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	3530		20.6	1	06/14/2025 14:32	WG2538469
Antimony	ND		2.06	1	06/14/2025 14:32	WG2538469
Beryllium	0.301		0.206	1	06/14/2025 14:32	WG2538469
Calcium	6550		103	1	06/14/2025 14:32	WG2538469
Chromium	5.55		1.03	1	06/14/2025 14:32	WG2538469
Cobalt	2.80		1.03	1	06/14/2025 14:32	WG2538469
Iron	6570		10.3	1	06/14/2025 14:32	WG2538469
Magnesium	1910		103	1	06/14/2025 14:32	WG2538469
Manganese	156		1.03	1	06/14/2025 14:32	WG2538469
Potassium	1320		103	1	06/14/2025 14:32	WG2538469
Sodium	ND		103	1	06/14/2025 14:32	WG2538469
Thallium	ND		2.06	1	06/14/2025 14:32	WG2538469
Vanadium	10.6		2.06	1	06/14/2025 14:32	WG2538469

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.10		0.103	5	06/16/2025 04:32	WG2538477
Barium	101		10.3	5	06/16/2025 04:32	WG2538477
Cadmium	0.106		0.103	5	06/16/2025 04:32	WG2538477
Copper	ND		10.3	5	06/16/2025 04:32	WG2538477
Lead	ND		10.3	5	06/16/2025 04:32	WG2538477
Nickel	ND		10.3	5	06/16/2025 04:32	WG2538477
Selenium	0.284		0.103	5	06/16/2025 04:32	WG2538477
Silver	ND		0.515	5	06/16/2025 04:32	WG2538477
Zinc	ND		51.5	5	06/16/2025 04:32	WG2538477

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		2.65	25	06/14/2025 00:33	WG2538252
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	98.2		77.0-120		06/14/2025 00:33	WG2538252

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0530	1	06/14/2025 14:29	WG2538686
Acrylonitrile	ND		0.0132	1	06/14/2025 14:29	WG2538686
Benzene	ND		0.00106	1	06/14/2025 14:29	WG2538686
Bromobenzene	ND		0.0132	1	06/14/2025 14:29	WG2538686
Bromodichloromethane	ND		0.00265	1	06/14/2025 14:29	WG2538686
Bromoform	ND		0.0265	1	06/14/2025 14:29	WG2538686
Bromomethane	ND	C3	0.0132	1	06/14/2025 14:29	WG2538686
n-Butylbenzene	ND		0.0132	1	06/14/2025 14:29	WG2538686
sec-Butylbenzene	ND		0.0132	1	06/14/2025 14:29	WG2538686
tert-Butylbenzene	ND		0.00530	1	06/14/2025 14:29	WG2538686
Carbon tetrachloride	ND		0.00530	1	06/14/2025 14:29	WG2538686
Chlorobenzene	ND		0.00265	1	06/14/2025 14:29	WG2538686
Chlorodibromomethane	ND		0.00265	1	06/14/2025 14:29	WG2538686

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND		0.00530	1	06/14/2025 14:29	WG2538686
Chloroform	ND		0.00265	1	06/14/2025 14:29	WG2538686
Chloromethane	ND		0.0132	1	06/14/2025 14:29	WG2538686
2-Chlorotoluene	ND		0.00265	1	06/14/2025 14:29	WG2538686
4-Chlorotoluene	ND		0.00530	1	06/14/2025 14:29	WG2538686
1,2-Dibromo-3-Chloropropane	ND		0.0265	1	06/14/2025 14:29	WG2538686
1,2-Dibromoethane	ND		0.00265	1	06/14/2025 14:29	WG2538686
Dibromomethane	ND		0.00530	1	06/14/2025 14:29	WG2538686
1,2-Dichlorobenzene	ND		0.00530	1	06/14/2025 14:29	WG2538686
1,3-Dichlorobenzene	ND		0.00530	1	06/14/2025 14:29	WG2538686
1,4-Dichlorobenzene	ND		0.00530	1	06/14/2025 14:29	WG2538686
Dichlorodifluoromethane	ND		0.00530	1	06/14/2025 14:29	WG2538686
1,1-Dichloroethane	ND		0.00265	1	06/14/2025 14:29	WG2538686
1,2-Dichloroethane	ND		0.00265	1	06/14/2025 14:29	WG2538686
1,1-Dichloroethene	ND		0.00265	1	06/14/2025 14:29	WG2538686
cis-1,2-Dichloroethene	ND		0.00265	1	06/14/2025 14:29	WG2538686
trans-1,2-Dichloroethene	ND		0.00530	1	06/14/2025 14:29	WG2538686
1,2-Dichloropropane	ND		0.00530	1	06/14/2025 14:29	WG2538686
1,1-Dichloropropene	ND		0.00265	1	06/14/2025 14:29	WG2538686
1,3-Dichloropropane	ND		0.00530	1	06/14/2025 14:29	WG2538686
cis-1,3-Dichloropropene	ND		0.00265	1	06/14/2025 14:29	WG2538686
trans-1,3-Dichloropropene	ND		0.00530	1	06/14/2025 14:29	WG2538686
2,2-Dichloropropane	ND		0.00265	1	06/14/2025 14:29	WG2538686
Di-isopropyl ether	ND		0.00106	1	06/14/2025 14:29	WG2538686
Ethylbenzene	ND		0.0106	1	06/14/2025 14:29	WG2538686
Hexachloro-1,3-butadiene	ND	C3	0.0265	1	06/14/2025 14:29	WG2538686
Isopropylbenzene	ND		0.00265	1	06/14/2025 14:29	WG2538686
p-Isopropyltoluene	ND		0.00530	1	06/14/2025 14:29	WG2538686
2-Butanone (MEK)	ND	J4	0.106	1	06/14/2025 14:29	WG2538686
Methylene Chloride	ND		0.0265	1	06/14/2025 14:29	WG2538686
4-Methyl-2-pentanone (MIBK)	ND		0.0265	1	06/14/2025 14:29	WG2538686
Methyl tert-butyl ether	ND		0.00106	1	06/14/2025 14:29	WG2538686
n-Propylbenzene	ND		0.00530	1	06/14/2025 14:29	WG2538686
Styrene	ND		0.0132	1	06/14/2025 14:29	WG2538686
1,1,1,2-Tetrachloroethane	ND		0.00265	1	06/14/2025 14:29	WG2538686
1,1,2,2-Tetrachloroethane	ND		0.00265	1	06/14/2025 14:29	WG2538686
1,1,2-Trichlorotrifluoroethane	ND		0.00265	1	06/14/2025 14:29	WG2538686
Tetrachloroethene	ND	C3	0.00265	1	06/14/2025 14:29	WG2538686
Toluene	ND		0.0106	1	06/14/2025 14:29	WG2538686
1,2,3-Trichlorobenzene	ND	C3	0.0132	1	06/14/2025 14:29	WG2538686
1,2,4-Trichlorobenzene	ND		0.0132	1	06/14/2025 14:29	WG2538686
1,1,1-Trichloroethane	ND		0.00265	1	06/14/2025 14:29	WG2538686
1,1,2-Trichloroethane	ND		0.00265	1	06/14/2025 14:29	WG2538686
Trichloroethene	ND		0.00106	1	06/14/2025 14:29	WG2538686
Trichlorofluoromethane	ND		0.00265	1	06/14/2025 14:29	WG2538686
1,2,3-Trichloropropane	ND		0.0132	1	06/14/2025 14:29	WG2538686
1,2,3-Trimethylbenzene	ND		0.00530	1	06/14/2025 14:29	WG2538686
1,2,4-Trimethylbenzene	ND		0.00530	1	06/14/2025 14:29	WG2538686
1,3,5-Trimethylbenzene	ND		0.00530	1	06/14/2025 14:29	WG2538686
Vinyl chloride	ND		0.00265	1	06/14/2025 14:29	WG2538686
Xylenes, Total	ND		0.106	1	06/14/2025 14:29	WG2538686
(S) Toluene-d8	99.6		75.0-131		06/14/2025 14:29	WG2538686
(S) 4-Bromofluorobenzene	91.2		67.0-138		06/14/2025 14:29	WG2538686
(S) 1,2-Dichloroethane-d4	111		70.0-130		06/14/2025 14:29	WG2538686



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.12	1	06/17/2025 00:47	WG2538491
C28-C36 Motor Oil Range	22.8		4.12	1	06/17/2025 00:47	WG2538491
(S) o-Terphenyl	58.4		18.0-148		06/17/2025 00:47	WG2538491

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		0.0686	2	06/17/2025 16:45	WG2538475
Benzidine	ND	J4	3.44	2	06/17/2025 16:45	WG2538475
Benzo(g,h,i)perylene	ND		0.0686	2	06/17/2025 16:45	WG2538475
Bis(2-chlorethoxy)methane	ND		0.686	2	06/17/2025 16:45	WG2538475
Bis(2-chloroethyl)ether	ND		0.686	2	06/17/2025 16:45	WG2538475
2,2-Oxybis(1-Chloropropane)	ND		0.686	2	06/17/2025 16:45	WG2538475
4-Bromophenyl-phenylether	ND		0.686	2	06/17/2025 16:45	WG2538475
2-Chloronaphthalene	ND		0.0686	2	06/17/2025 16:45	WG2538475
4-Chlorophenyl-phenylether	ND		0.686	2	06/17/2025 16:45	WG2538475
1,2-Dichlorobenzene	ND		0.686	2	06/17/2025 16:45	WG2538475
1,3-Dichlorobenzene	ND		0.686	2	06/17/2025 16:45	WG2538475
1,4-Dichlorobenzene	ND		0.686	2	06/17/2025 16:45	WG2538475
3,3-Dichlorobenzidine	ND		0.686	2	06/17/2025 16:45	WG2538475
2,4-Dinitrotoluene	ND		0.686	2	06/17/2025 16:45	WG2538475
2,6-Dinitrotoluene	ND		0.686	2	06/17/2025 16:45	WG2538475
Hexachlorobenzene	ND		0.686	2	06/17/2025 16:45	WG2538475
Hexachloro-1,3-butadiene	ND		0.686	2	06/17/2025 16:45	WG2538475
Hexachlorocyclopentadiene	ND	C7	0.686	2	06/17/2025 16:45	WG2538475
Hexachloroethane	ND		0.686	2	06/17/2025 16:45	WG2538475
Isophorone	ND		0.686	2	06/17/2025 16:45	WG2538475
Nitrobenzene	ND		0.686	2	06/17/2025 16:45	WG2538475
n-Nitrosodimethylamine	ND		0.686	2	06/17/2025 16:45	WG2538475
n-Nitrosodiphenylamine	ND		0.686	2	06/17/2025 16:45	WG2538475
n-Nitrosodi-n-propylamine	ND		0.686	2	06/17/2025 16:45	WG2538475
Phenanthrene	ND		0.0686	2	06/17/2025 16:45	WG2538475
Benzylbutyl phthalate	ND		0.686	2	06/17/2025 16:45	WG2538475
Bis(2-ethylhexyl)phthalate	ND		0.686	2	06/17/2025 16:45	WG2538475
Di-n-butyl phthalate	ND		0.686	2	06/17/2025 16:45	WG2538475
Diethyl phthalate	ND		0.686	2	06/17/2025 16:45	WG2538475
Dimethyl phthalate	ND		0.686	2	06/17/2025 16:45	WG2538475
Di-n-octyl phthalate	ND		0.686	2	06/17/2025 16:45	WG2538475
1,2,4-Trichlorobenzene	ND		0.686	2	06/17/2025 16:45	WG2538475
4-Chloro-3-methylphenol	ND		0.686	2	06/17/2025 16:45	WG2538475
2-Chlorophenol	ND		0.686	2	06/17/2025 16:45	WG2538475
2,4-Dichlorophenol	ND		0.686	2	06/17/2025 16:45	WG2538475
2,4-Dimethylphenol	ND		0.686	2	06/17/2025 16:45	WG2538475
4,6-Dinitro-2-methylphenol	ND		0.686	2	06/17/2025 16:45	WG2538475
2,4-Dinitrophenol	ND		0.686	2	06/17/2025 16:45	WG2538475
2-Nitrophenol	ND		0.686	2	06/17/2025 16:45	WG2538475
4-Nitrophenol	ND	C3	0.686	2	06/17/2025 16:45	WG2538475
Pentachlorophenol	ND		0.686	2	06/17/2025 16:45	WG2538475
Phenol	ND		0.686	2	06/17/2025 16:45	WG2538475
2,4,6-Trichlorophenol	ND		0.686	2	06/17/2025 16:45	WG2538475
(S) 2-Fluorophenol	77.4		12.0-120		06/17/2025 16:45	WG2538475
(S) Phenol-d5	69.0		10.0-120		06/17/2025 16:45	WG2538475
(S) Nitrobenzene-d5	82.0		10.0-122		06/17/2025 16:45	WG2538475
(S) 2-Fluorobiphenyl	81.0		15.0-120		06/17/2025 16:45	WG2538475
(S) 2,4,6-Tribromophenol	113		10.0-127		06/17/2025 16:45	WG2538475
(S) p-Terphenyl-d14	86.2		10.0-120		06/17/2025 16:45	WG2538475

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
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Sample Narrative:

L1869427-20 WG2538475: Dilution due to matrix impact during extract concentration procedure.

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0340	1	06/17/2025 05:02	WG2538512
Acenaphthene	ND		0.0340	1	06/17/2025 05:02	WG2538512
Acenaphthylene	ND		0.0340	1	06/17/2025 05:02	WG2538512
Benzo(a)anthracene	0.00624		0.00618	1	06/17/2025 05:02	WG2538512
Benzo(a)pyrene	ND		0.0340	1	06/17/2025 05:02	WG2538512
Benzo(b)fluoranthene	ND		0.0340	1	06/17/2025 05:02	WG2538512
Benzo(g,h,i)perylene	ND		0.0340	1	06/17/2025 05:02	WG2538512
Benzo(k)fluoranthene	ND		0.0340	1	06/17/2025 05:02	WG2538512
Chrysene	ND		0.0340	1	06/17/2025 05:02	WG2538512
Dibenz(a,h)anthracene	ND		0.0340	1	06/17/2025 05:02	WG2538512
Fluoranthene	ND		0.0340	1	06/17/2025 05:02	WG2538512
Fluorene	ND		0.0340	1	06/17/2025 05:02	WG2538512
Indeno(1,2,3-cd)pyrene	ND		0.0340	1	06/17/2025 05:02	WG2538512
Naphthalene	ND		0.00309	1	06/17/2025 05:02	WG2538512
Phenanthrene	ND		0.0340	1	06/17/2025 05:02	WG2538512
Pyrene	ND		0.0340	1	06/17/2025 05:02	WG2538512
1-Methylnaphthalene	ND		0.00309	1	06/17/2025 05:02	WG2538512
2-Methylnaphthalene	ND		0.0124	1	06/17/2025 05:02	WG2538512
(S) p-Terphenyl-d14	104		23.0-120		06/17/2025 05:02	WG2538512
(S) Nitrobenzene-d5	107		14.0-149		06/17/2025 05:02	WG2538512
(S) 2-Fluorobiphenyl	102		34.0-125		06/17/2025 05:02	WG2538512

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.819		1	06/20/2025 11:28	WG2540937

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1530		23.5	1	06/17/2025 13:25	WG2538422

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.0		1	06/13/2025 20:09	WG2538346

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11.8	1	06/17/2025 02:01	WG2538429

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1520		118	5	06/17/2025 13:25	WG2539790

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.235	1	06/26/2025 08:12	WG2538833

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.60		1	06/21/2025 10:11	WG2543012

Sample Narrative:

L1869427-21 WG2543012: 7.6 at 23.2C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	779	umhos/cm		10.0	1	06/23/2025 18:29	WG2543045

Sample Narrative:

L1869427-21 WG2543045: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		23.5	1	06/14/2025 21:46	WG2538422

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	7340		500	5	06/17/2025 18:23	WG2538557

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.924		0.200	1	06/19/2025 13:52	WG2540950

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	5770		23.5	1	06/14/2025 14:35	WG2538469
Antimony	ND		2.35	1	06/14/2025 14:35	WG2538469
Beryllium	0.935		0.235	1	06/14/2025 14:35	WG2538469
Calcium	5440		118	1	06/14/2025 14:35	WG2538469
Chromium	6.88		1.18	1	06/14/2025 14:35	WG2538469
Cobalt	4.61		1.18	1	06/14/2025 14:35	WG2538469
Iron	9410		11.8	1	06/14/2025 14:35	WG2538469
Magnesium	2460		118	1	06/14/2025 14:35	WG2538469
Manganese	253		1.18	1	06/14/2025 14:35	WG2538469
Potassium	2840		118	1	06/14/2025 14:35	WG2538469
Sodium	169		118	1	06/14/2025 14:35	WG2538469
Thallium	ND		2.35	1	06/14/2025 14:35	WG2538469
Vanadium	16.6		2.35	1	06/14/2025 14:35	WG2538469

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.14		0.118	5	06/16/2025 04:35	WG2538477
Barium	81.3		11.8	5	06/16/2025 04:35	WG2538477
Cadmium	0.592		0.118	5	06/16/2025 04:35	WG2538477
Copper	17.3		11.8	5	06/16/2025 04:35	WG2538477
Lead	ND		11.8	5	06/16/2025 04:35	WG2538477
Nickel	ND		11.8	5	06/16/2025 04:35	WG2538477
Selenium	0.719		0.118	5	06/16/2025 04:35	WG2538477
Silver	ND		0.588	5	06/16/2025 04:35	WG2538477
Zinc	ND		58.8	5	06/16/2025 04:35	WG2538477

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		3.38	25	06/14/2025 00:52	WG2538252
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	96.5		77.0-120		06/14/2025 00:52	WG2538252

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0676	1	06/14/2025 14:48	WG2538686
Acrylonitrile	ND		0.0169	1	06/14/2025 14:48	WG2538686
Benzene	ND		0.00135	1	06/14/2025 14:48	WG2538686
Bromobenzene	ND		0.0169	1	06/14/2025 14:48	WG2538686
Bromodichloromethane	ND		0.00338	1	06/14/2025 14:48	WG2538686
Bromoform	ND		0.0338	1	06/14/2025 14:48	WG2538686
Bromomethane	ND	C3	0.0169	1	06/14/2025 14:48	WG2538686
n-Butylbenzene	ND		0.0169	1	06/14/2025 14:48	WG2538686
sec-Butylbenzene	ND		0.0169	1	06/14/2025 14:48	WG2538686
tert-Butylbenzene	ND		0.00676	1	06/14/2025 14:48	WG2538686
Carbon tetrachloride	ND		0.00676	1	06/14/2025 14:48	WG2538686
Chlorobenzene	ND		0.00338	1	06/14/2025 14:48	WG2538686
Chlorodibromomethane	ND		0.00338	1	06/14/2025 14:48	WG2538686

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND		0.00676	1	06/14/2025 14:48	WG2538686
Chloroform	ND		0.00338	1	06/14/2025 14:48	WG2538686
Chloromethane	ND		0.0169	1	06/14/2025 14:48	WG2538686
2-Chlorotoluene	ND		0.00338	1	06/14/2025 14:48	WG2538686
4-Chlorotoluene	ND		0.00676	1	06/14/2025 14:48	WG2538686
1,2-Dibromo-3-Chloropropane	ND		0.0338	1	06/14/2025 14:48	WG2538686
1,2-Dibromoethane	ND		0.00338	1	06/14/2025 14:48	WG2538686
Dibromomethane	ND		0.00676	1	06/14/2025 14:48	WG2538686
1,2-Dichlorobenzene	ND		0.00676	1	06/14/2025 14:48	WG2538686
1,3-Dichlorobenzene	ND		0.00676	1	06/14/2025 14:48	WG2538686
1,4-Dichlorobenzene	ND		0.00676	1	06/14/2025 14:48	WG2538686
Dichlorodifluoromethane	ND		0.00676	1	06/14/2025 14:48	WG2538686
1,1-Dichloroethane	ND		0.00338	1	06/14/2025 14:48	WG2538686
1,2-Dichloroethane	ND		0.00338	1	06/14/2025 14:48	WG2538686
1,1-Dichloroethene	ND		0.00338	1	06/14/2025 14:48	WG2538686
cis-1,2-Dichloroethene	ND		0.00338	1	06/14/2025 14:48	WG2538686
trans-1,2-Dichloroethene	ND		0.00676	1	06/14/2025 14:48	WG2538686
1,2-Dichloropropane	ND		0.00676	1	06/14/2025 14:48	WG2538686
1,1-Dichloropropene	ND		0.00338	1	06/14/2025 14:48	WG2538686
1,3-Dichloropropane	ND		0.00676	1	06/14/2025 14:48	WG2538686
cis-1,3-Dichloropropene	ND		0.00338	1	06/14/2025 14:48	WG2538686
trans-1,3-Dichloropropene	ND		0.00676	1	06/14/2025 14:48	WG2538686
2,2-Dichloropropane	ND		0.00338	1	06/14/2025 14:48	WG2538686
Di-isopropyl ether	ND		0.00135	1	06/14/2025 14:48	WG2538686
Ethylbenzene	ND		0.0135	1	06/14/2025 14:48	WG2538686
Hexachloro-1,3-butadiene	ND	C3	0.0338	1	06/14/2025 14:48	WG2538686
Isopropylbenzene	ND		0.00338	1	06/14/2025 14:48	WG2538686
p-Isopropyltoluene	ND		0.00676	1	06/14/2025 14:48	WG2538686
2-Butanone (MEK)	ND	J4	0.135	1	06/14/2025 14:48	WG2538686
Methylene Chloride	ND		0.0338	1	06/14/2025 14:48	WG2538686
4-Methyl-2-pentanone (MIBK)	ND		0.0338	1	06/14/2025 14:48	WG2538686
Methyl tert-butyl ether	ND		0.00135	1	06/14/2025 14:48	WG2538686
n-Propylbenzene	ND		0.00676	1	06/14/2025 14:48	WG2538686
Styrene	ND		0.0169	1	06/14/2025 14:48	WG2538686
1,1,1,2-Tetrachloroethane	ND		0.00338	1	06/14/2025 14:48	WG2538686
1,1,2,2-Tetrachloroethane	ND		0.00338	1	06/14/2025 14:48	WG2538686
1,1,2-Trichlorotrifluoroethane	ND		0.00338	1	06/14/2025 14:48	WG2538686
Tetrachloroethene	ND	C3	0.00338	1	06/14/2025 14:48	WG2538686
Toluene	ND		0.0135	1	06/14/2025 14:48	WG2538686
1,2,3-Trichlorobenzene	ND	C3	0.0169	1	06/14/2025 14:48	WG2538686
1,2,4-Trichlorobenzene	ND		0.0169	1	06/14/2025 14:48	WG2538686
1,1,1-Trichloroethane	ND		0.00338	1	06/14/2025 14:48	WG2538686
1,1,2-Trichloroethane	ND		0.00338	1	06/14/2025 14:48	WG2538686
Trichloroethene	ND		0.00135	1	06/14/2025 14:48	WG2538686
Trichlorofluoromethane	ND		0.00338	1	06/14/2025 14:48	WG2538686
1,2,3-Trichloropropane	ND		0.0169	1	06/14/2025 14:48	WG2538686
1,2,3-Trimethylbenzene	ND		0.00676	1	06/14/2025 14:48	WG2538686
1,2,4-Trimethylbenzene	ND		0.00676	1	06/14/2025 14:48	WG2538686
1,3,5-Trimethylbenzene	ND		0.00676	1	06/14/2025 14:48	WG2538686
Vinyl chloride	ND		0.00338	1	06/14/2025 14:48	WG2538686
Xylenes, Total	ND		0.135	1	06/14/2025 14:48	WG2538686
(S) Toluene-d8	98.8		75.0-131		06/14/2025 14:48	WG2538686
(S) 4-Bromofluorobenzene	92.1		67.0-138		06/14/2025 14:48	WG2538686
(S) 1,2-Dichloroethane-d4	108		70.0-130		06/14/2025 14:48	WG2538686



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		47.0	10	06/16/2025 21:19	WG2538492
C28-C36 Motor Oil Range	75.5		47.0	10	06/16/2025 21:19	WG2538492
(S) o-Terphenyl	50.2		18.0-148		06/16/2025 21:19	WG2538492

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		0.0783	2	06/17/2025 17:07	WG2538475
Benzidine	ND	J4	3.93	2	06/17/2025 17:07	WG2538475
Benzo(g,h,i)perylene	ND		0.0783	2	06/17/2025 17:07	WG2538475
Bis(2-chlorethoxy)methane	ND		0.783	2	06/17/2025 17:07	WG2538475
Bis(2-chloroethyl)ether	ND		0.783	2	06/17/2025 17:07	WG2538475
2,2-Oxybis(1-Chloropropane)	ND		0.783	2	06/17/2025 17:07	WG2538475
4-Bromophenyl-phenylether	ND		0.783	2	06/17/2025 17:07	WG2538475
2-Chloronaphthalene	ND		0.0783	2	06/17/2025 17:07	WG2538475
4-Chlorophenyl-phenylether	ND		0.783	2	06/17/2025 17:07	WG2538475
1,2-Dichlorobenzene	ND		0.783	2	06/17/2025 17:07	WG2538475
1,3-Dichlorobenzene	ND		0.783	2	06/17/2025 17:07	WG2538475
1,4-Dichlorobenzene	ND		0.783	2	06/17/2025 17:07	WG2538475
3,3-Dichlorobenzidine	ND		0.783	2	06/17/2025 17:07	WG2538475
2,4-Dinitrotoluene	ND		0.783	2	06/17/2025 17:07	WG2538475
2,6-Dinitrotoluene	ND		0.783	2	06/17/2025 17:07	WG2538475
Hexachlorobenzene	ND		0.783	2	06/17/2025 17:07	WG2538475
Hexachloro-1,3-butadiene	ND		0.783	2	06/17/2025 17:07	WG2538475
Hexachlorocyclopentadiene	ND	C7	0.783	2	06/17/2025 17:07	WG2538475
Hexachloroethane	ND		0.783	2	06/17/2025 17:07	WG2538475
Isophorone	ND		0.783	2	06/17/2025 17:07	WG2538475
Nitrobenzene	ND		0.783	2	06/17/2025 17:07	WG2538475
n-Nitrosodimethylamine	ND		0.783	2	06/17/2025 17:07	WG2538475
n-Nitrosodiphenylamine	ND		0.783	2	06/17/2025 17:07	WG2538475
n-Nitrosodi-n-propylamine	ND		0.783	2	06/17/2025 17:07	WG2538475
Phenanthrene	ND		0.0783	2	06/17/2025 17:07	WG2538475
Benzylbutyl phthalate	ND		0.783	2	06/17/2025 17:07	WG2538475
Bis(2-ethylhexyl)phthalate	ND		0.783	2	06/17/2025 17:07	WG2538475
Di-n-butyl phthalate	ND		0.783	2	06/17/2025 17:07	WG2538475
Diethyl phthalate	ND		0.783	2	06/17/2025 17:07	WG2538475
Dimethyl phthalate	ND		0.783	2	06/17/2025 17:07	WG2538475
Di-n-octyl phthalate	ND		0.783	2	06/17/2025 17:07	WG2538475
1,2,4-Trichlorobenzene	ND		0.783	2	06/17/2025 17:07	WG2538475
4-Chloro-3-methylphenol	ND		0.783	2	06/17/2025 17:07	WG2538475
2-Chlorophenol	ND		0.783	2	06/17/2025 17:07	WG2538475
2,4-Dichlorophenol	ND		0.783	2	06/17/2025 17:07	WG2538475
2,4-Dimethylphenol	ND		0.783	2	06/17/2025 17:07	WG2538475
4,6-Dinitro-2-methylphenol	ND		0.783	2	06/17/2025 17:07	WG2538475
2,4-Dinitrophenol	ND		0.783	2	06/17/2025 17:07	WG2538475
2-Nitrophenol	ND		0.783	2	06/17/2025 17:07	WG2538475
4-Nitrophenol	ND	C3	0.783	2	06/17/2025 17:07	WG2538475
Pentachlorophenol	ND		0.783	2	06/17/2025 17:07	WG2538475
Phenol	ND		0.783	2	06/17/2025 17:07	WG2538475
2,4,6-Trichlorophenol	ND		0.783	2	06/17/2025 17:07	WG2538475
(S) 2-Fluorophenol	75.2		12.0-120		06/17/2025 17:07	WG2538475
(S) Phenol-d5	65.5		10.0-120		06/17/2025 17:07	WG2538475
(S) Nitrobenzene-d5	84.0		10.0-122		06/17/2025 17:07	WG2538475
(S) 2-Fluorobiphenyl	80.4		15.0-120		06/17/2025 17:07	WG2538475
(S) 2,4,6-Tribromophenol	90.1		10.0-127		06/17/2025 17:07	WG2538475
(S) p-Terphenyl-d14	81.3		10.0-120		06/17/2025 17:07	WG2538475

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
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Sample Narrative:

L1869427-21 WG2538475: Dilution due to matrix impact during extract concentration procedure.

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0388	1	06/17/2025 03:44	WG2538512
Acenaphthene	ND		0.0388	1	06/17/2025 03:44	WG2538512
Acenaphthylene	ND		0.0388	1	06/17/2025 03:44	WG2538512
Benzo(a)anthracene	ND		0.00706	1	06/17/2025 03:44	WG2538512
Benzo(a)pyrene	ND		0.0388	1	06/17/2025 03:44	WG2538512
Benzo(b)fluoranthene	ND		0.0388	1	06/17/2025 03:44	WG2538512
Benzo(g,h,i)perylene	ND		0.0388	1	06/17/2025 03:44	WG2538512
Benzo(k)fluoranthene	ND		0.0388	1	06/17/2025 03:44	WG2538512
Chrysene	ND		0.0388	1	06/17/2025 03:44	WG2538512
Dibenz(a,h)anthracene	ND		0.0388	1	06/17/2025 03:44	WG2538512
Fluoranthene	ND		0.0388	1	06/17/2025 03:44	WG2538512
Fluorene	ND		0.0388	1	06/17/2025 03:44	WG2538512
Indeno(1,2,3-cd)pyrene	ND		0.0388	1	06/17/2025 03:44	WG2538512
Naphthalene	ND		0.00353	1	06/17/2025 03:44	WG2538512
Phenanthrene	ND		0.0388	1	06/17/2025 03:44	WG2538512
Pyrene	ND		0.0388	1	06/17/2025 03:44	WG2538512
1-Methylnaphthalene	ND		0.00353	1	06/17/2025 03:44	WG2538512
2-Methylnaphthalene	ND		0.0141	1	06/17/2025 03:44	WG2538512
(S) p-Terphenyl-d14	81.2		23.0-120		06/17/2025 03:44	WG2538512
(S) Nitrobenzene-d5	76.4		14.0-149		06/17/2025 03:44	WG2538512
(S) 2-Fluorobiphenyl	78.7		34.0-125		06/17/2025 03:44	WG2538512

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0500	1	06/13/2025 21:05	WG2538285
Acrolein	ND	C3	0.0500	1	06/13/2025 21:05	WG2538285
Acrylonitrile	ND		0.0100	1	06/13/2025 21:05	WG2538285
Benzene	ND		0.00100	1	06/13/2025 21:05	WG2538285
Bromobenzene	ND		0.00100	1	06/13/2025 21:05	WG2538285
Bromodichloromethane	ND		0.00100	1	06/13/2025 21:05	WG2538285
Bromoform	ND		0.00100	1	06/13/2025 21:05	WG2538285
Bromomethane	ND		0.00500	1	06/13/2025 21:05	WG2538285
n-Butylbenzene	ND		0.00100	1	06/13/2025 21:05	WG2538285
sec-Butylbenzene	ND		0.00100	1	06/13/2025 21:05	WG2538285
tert-Butylbenzene	ND		0.00100	1	06/13/2025 21:05	WG2538285
Carbon tetrachloride	ND		0.00100	1	06/13/2025 21:05	WG2538285
Chlorobenzene	ND		0.00100	1	06/13/2025 21:05	WG2538285
Chlorodibromomethane	ND		0.00100	1	06/13/2025 21:05	WG2538285
Chloroethane	ND		0.00500	1	06/13/2025 21:05	WG2538285
Chloroform	ND		0.00500	1	06/13/2025 21:05	WG2538285
Chloromethane	ND	C3	0.00250	1	06/13/2025 21:05	WG2538285
2-Chlorotoluene	ND		0.00100	1	06/13/2025 21:05	WG2538285
4-Chlorotoluene	ND		0.00100	1	06/13/2025 21:05	WG2538285
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	06/13/2025 21:05	WG2538285
1,2-Dibromoethane	ND		0.00100	1	06/13/2025 21:05	WG2538285
Dibromomethane	ND		0.00100	1	06/13/2025 21:05	WG2538285
1,2-Dichlorobenzene	ND		0.00100	1	06/13/2025 21:05	WG2538285
1,3-Dichlorobenzene	ND		0.00100	1	06/13/2025 21:05	WG2538285
1,4-Dichlorobenzene	ND		0.00100	1	06/13/2025 21:05	WG2538285
Dichlorodifluoromethane	ND		0.00500	1	06/13/2025 21:05	WG2538285
1,1-Dichloroethane	ND		0.00100	1	06/13/2025 21:05	WG2538285
1,2-Dichloroethane	ND		0.00100	1	06/13/2025 21:05	WG2538285
1,1-Dichloroethene	ND		0.00100	1	06/13/2025 21:05	WG2538285
cis-1,2-Dichloroethene	ND		0.00100	1	06/13/2025 21:05	WG2538285
trans-1,2-Dichloroethene	ND		0.00100	1	06/13/2025 21:05	WG2538285
1,2-Dichloropropane	ND		0.00100	1	06/13/2025 21:05	WG2538285
1,1-Dichloropropene	ND		0.00100	1	06/13/2025 21:05	WG2538285
1,3-Dichloropropane	ND		0.00100	1	06/13/2025 21:05	WG2538285
cis-1,3-Dichloropropene	ND		0.00100	1	06/13/2025 21:05	WG2538285
trans-1,3-Dichloropropene	ND		0.00100	1	06/13/2025 21:05	WG2538285
2,2-Dichloropropane	ND		0.00100	1	06/13/2025 21:05	WG2538285
Di-isopropyl ether	ND		0.00100	1	06/13/2025 21:05	WG2538285
Ethylbenzene	ND		0.00100	1	06/13/2025 21:05	WG2538285
Hexachloro-1,3-butadiene	ND		0.00100	1	06/13/2025 21:05	WG2538285
Isopropylbenzene	ND		0.00100	1	06/13/2025 21:05	WG2538285
p-Isopropyltoluene	ND		0.00100	1	06/13/2025 21:05	WG2538285
2-Butanone (MEK)	ND	C3	0.0100	1	06/13/2025 21:05	WG2538285
Methylene Chloride	ND		0.00500	1	06/13/2025 21:05	WG2538285
4-Methyl-2-pentanone (MIBK)	ND	C3	0.0100	1	06/13/2025 21:05	WG2538285
Methyl tert-butyl ether	ND		0.00100	1	06/13/2025 21:05	WG2538285
Naphthalene	ND		0.00500	1	06/13/2025 21:05	WG2538285
n-Propylbenzene	ND		0.00100	1	06/13/2025 21:05	WG2538285
Styrene	ND		0.00100	1	06/13/2025 21:05	WG2538285
1,1,1,2-Tetrachloroethane	ND		0.00100	1	06/13/2025 21:05	WG2538285
1,1,2,2-Tetrachloroethane	ND		0.00100	1	06/13/2025 21:05	WG2538285
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	06/13/2025 21:05	WG2538285
Tetrachloroethene	ND		0.00100	1	06/13/2025 21:05	WG2538285
Toluene	ND		0.00100	1	06/13/2025 21:05	WG2538285
1,2,3-Trichlorobenzene	ND		0.00100	1	06/13/2025 21:05	WG2538285
1,2,4-Trichlorobenzene	ND		0.00100	1	06/13/2025 21:05	WG2538285



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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00100	1	06/13/2025 21:05	WG2538285
1,1,2-Trichloroethane	ND		0.00100	1	06/13/2025 21:05	WG2538285
Trichloroethene	ND		0.00100	1	06/13/2025 21:05	WG2538285
Trichlorofluoromethane	ND		0.00500	1	06/13/2025 21:05	WG2538285
1,2,3-Trichloropropane	ND		0.00250	1	06/13/2025 21:05	WG2538285
1,2,4-Trimethylbenzene	ND		0.00100	1	06/13/2025 21:05	WG2538285
1,2,3-Trimethylbenzene	ND		0.00100	1	06/13/2025 21:05	WG2538285
1,3,5-Trimethylbenzene	ND		0.00100	1	06/13/2025 21:05	WG2538285
Vinyl chloride	ND		0.00100	1	06/13/2025 21:05	WG2538285
Xylenes, Total	ND		0.00300	1	06/13/2025 21:05	WG2538285
(S) Toluene-d8	101		80.0-120		06/13/2025 21:05	WG2538285
(S) 4-Bromofluorobenzene	99.6		77.0-126		06/13/2025 21:05	WG2538285
(S) 1,2-Dichloroethane-d4	94.0		70.0-130		06/13/2025 21:05	WG2538285

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	5.73		1	06/19/2025 18:40	WG2540940

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1870		105	1	06/17/2025 13:27	WG2538423

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	95.0		1	06/13/2025 20:09	WG2538346

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		10.5	1	06/17/2025 02:03	WG2538429

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1740		105	5	06/17/2025 13:27	WG2539790

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.210	1	06/26/2025 09:01	WG2538833

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.61		1	06/21/2025 07:16	WG2542321

Sample Narrative:

L1869427-23 WG2542321: 7.61 at 22.2C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	4110	umhos/cm		10.0	1	06/21/2025 16:12	WG2542344

Sample Narrative:

L1869427-23 WG2542344: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		213	10.1	06/14/2025 17:26	WG2538423

Sample Narrative:

L1869427-23 WG2538423: Dilution due to matrix impact on instrumentation at lower dilution

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	12600		900	9	06/17/2025 19:30	WG2538571

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.56		0.200	1	06/19/2025 15:58	WG2540952

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	4840		21.0	1	06/14/2025 14:38	WG2538469
Antimony	ND		2.10	1	06/14/2025 14:38	WG2538469
Beryllium	0.475		0.210	1	06/14/2025 14:38	WG2538469
Calcium	10300		105	1	06/14/2025 14:38	WG2538469
Chromium	5.47		1.05	1	06/14/2025 14:38	WG2538469
Cobalt	3.62		1.05	1	06/14/2025 14:38	WG2538469
Iron	6940		10.5	1	06/14/2025 14:38	WG2538469
Magnesium	2620		105	1	06/14/2025 14:38	WG2538469
Manganese	213		1.05	1	06/14/2025 14:38	WG2538469
Potassium	3460		105	1	06/14/2025 14:38	WG2538469
Sodium	517		105	1	06/14/2025 14:38	WG2538469
Thallium	ND		2.10	1	06/14/2025 14:38	WG2538469
Vanadium	13.7		2.10	1	06/14/2025 14:38	WG2538469

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.85		0.105	5	06/16/2025 04:38	WG2538477
Barium	97.8		10.5	5	06/16/2025 04:38	WG2538477
Cadmium	0.175		0.105	5	06/16/2025 04:38	WG2538477
Copper	12.6		10.5	5	06/16/2025 04:38	WG2538477
Lead	ND		10.5	5	06/16/2025 04:38	WG2538477
Nickel	ND		10.5	5	06/16/2025 04:38	WG2538477
Selenium	0.418		0.105	5	06/16/2025 04:38	WG2538477
Silver	ND		0.526	5	06/16/2025 04:38	WG2538477
Zinc	ND		52.6	5	06/16/2025 04:38	WG2538477

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		2.76	25	06/14/2025 01:46	WG2538252
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	98.1		77.0-120		06/14/2025 01:46	WG2538252

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0552	1	06/14/2025 15:08	WG2538686
Acrylonitrile	ND		0.0138	1	06/14/2025 15:08	WG2538686
Benzene	ND		0.00110	1	06/14/2025 15:08	WG2538686
Bromobenzene	ND		0.0138	1	06/14/2025 15:08	WG2538686
Bromodichloromethane	ND		0.00276	1	06/14/2025 15:08	WG2538686
Bromoform	ND		0.0276	1	06/14/2025 15:08	WG2538686
Bromomethane	ND	C3	0.0138	1	06/14/2025 15:08	WG2538686
n-Butylbenzene	ND		0.0138	1	06/14/2025 15:08	WG2538686

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
sec-Butylbenzene	ND		0.0138	1	06/14/2025 15:08	WG2538686
tert-Butylbenzene	ND		0.00552	1	06/14/2025 15:08	WG2538686
Carbon tetrachloride	ND		0.00552	1	06/14/2025 15:08	WG2538686
Chlorobenzene	ND		0.00276	1	06/14/2025 15:08	WG2538686
Chlorodibromomethane	ND		0.00276	1	06/14/2025 15:08	WG2538686
Chloroethane	ND		0.00552	1	06/14/2025 15:08	WG2538686
Chloroform	ND		0.00276	1	06/14/2025 15:08	WG2538686
Chloromethane	ND		0.0138	1	06/14/2025 15:08	WG2538686
2-Chlorotoluene	ND		0.00276	1	06/14/2025 15:08	WG2538686
4-Chlorotoluene	ND		0.00552	1	06/14/2025 15:08	WG2538686
1,2-Dibromo-3-Chloropropane	ND		0.0276	1	06/14/2025 15:08	WG2538686
1,2-Dibromoethane	ND		0.00276	1	06/14/2025 15:08	WG2538686
Dibromomethane	ND		0.00552	1	06/14/2025 15:08	WG2538686
1,2-Dichlorobenzene	ND		0.00552	1	06/14/2025 15:08	WG2538686
1,3-Dichlorobenzene	ND		0.00552	1	06/14/2025 15:08	WG2538686
1,4-Dichlorobenzene	ND		0.00552	1	06/14/2025 15:08	WG2538686
Dichlorodifluoromethane	ND		0.00552	1	06/14/2025 15:08	WG2538686
1,1-Dichloroethane	ND		0.00276	1	06/14/2025 15:08	WG2538686
1,2-Dichloroethane	ND		0.00276	1	06/14/2025 15:08	WG2538686
1,1-Dichloroethene	ND		0.00276	1	06/14/2025 15:08	WG2538686
cis-1,2-Dichloroethene	ND		0.00276	1	06/14/2025 15:08	WG2538686
trans-1,2-Dichloroethene	ND		0.00552	1	06/14/2025 15:08	WG2538686
1,2-Dichloropropane	ND		0.00552	1	06/14/2025 15:08	WG2538686
1,1-Dichloropropene	ND		0.00276	1	06/14/2025 15:08	WG2538686
1,3-Dichloropropane	ND		0.00552	1	06/14/2025 15:08	WG2538686
cis-1,3-Dichloropropene	ND		0.00276	1	06/14/2025 15:08	WG2538686
trans-1,3-Dichloropropene	ND		0.00552	1	06/14/2025 15:08	WG2538686
2,2-Dichloropropane	ND		0.00276	1	06/14/2025 15:08	WG2538686
Di-isopropyl ether	ND		0.00110	1	06/14/2025 15:08	WG2538686
Ethylbenzene	ND		0.0110	1	06/14/2025 15:08	WG2538686
Hexachloro-1,3-butadiene	ND	C3	0.0276	1	06/14/2025 15:08	WG2538686
Isopropylbenzene	ND		0.00276	1	06/14/2025 15:08	WG2538686
p-Isopropyltoluene	ND		0.00552	1	06/14/2025 15:08	WG2538686
2-Butanone (MEK)	ND	J4	0.110	1	06/14/2025 15:08	WG2538686
Methylene Chloride	ND		0.0276	1	06/14/2025 15:08	WG2538686
4-Methyl-2-pentanone (MIBK)	ND		0.0276	1	06/14/2025 15:08	WG2538686
Methyl tert-butyl ether	ND		0.00110	1	06/14/2025 15:08	WG2538686
n-Propylbenzene	ND		0.00552	1	06/14/2025 15:08	WG2538686
Styrene	ND		0.0138	1	06/14/2025 15:08	WG2538686
1,1,1,2-Tetrachloroethane	ND		0.00276	1	06/14/2025 15:08	WG2538686
1,1,2,2-Tetrachloroethane	ND		0.00276	1	06/14/2025 15:08	WG2538686
1,1,2-Trichlorotrifluoroethane	ND		0.00276	1	06/14/2025 15:08	WG2538686
Tetrachloroethene	ND	C3	0.00276	1	06/14/2025 15:08	WG2538686
Toluene	ND		0.0110	1	06/14/2025 15:08	WG2538686
1,2,3-Trichlorobenzene	ND	C3	0.0138	1	06/14/2025 15:08	WG2538686
1,2,4-Trichlorobenzene	ND		0.0138	1	06/14/2025 15:08	WG2538686
1,1,1-Trichloroethane	ND		0.00276	1	06/14/2025 15:08	WG2538686
1,1,2-Trichloroethane	ND		0.00276	1	06/14/2025 15:08	WG2538686
Trichloroethene	ND		0.00110	1	06/14/2025 15:08	WG2538686
Trichlorofluoromethane	ND		0.00276	1	06/14/2025 15:08	WG2538686
1,2,3-Trichloropropane	ND		0.0138	1	06/14/2025 15:08	WG2538686
1,2,3-Trimethylbenzene	ND		0.00552	1	06/14/2025 15:08	WG2538686
1,2,4-Trimethylbenzene	ND		0.00552	1	06/14/2025 15:08	WG2538686
1,3,5-Trimethylbenzene	ND		0.00552	1	06/14/2025 15:08	WG2538686
Vinyl chloride	ND		0.00276	1	06/14/2025 15:08	WG2538686
Xylenes, Total	ND		0.110	1	06/14/2025 15:08	WG2538686

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) Toluene-d8	97.9		75.0-131		06/14/2025 15:08	WG2538686
(S) 4-Bromofluorobenzene	92.9		67.0-138		06/14/2025 15:08	WG2538686
(S) 1,2-Dichloroethane-d4	111		70.0-130		06/14/2025 15:08	WG2538686

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	6.04		4.21	1	06/16/2025 18:43	WG2538492
C28-C36 Motor Oil Range	89.6		4.21	1	06/16/2025 18:43	WG2538492
(S) o-Terphenyl	48.8		18.0-148		06/16/2025 18:43	WG2538492

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		0.0350	1	06/17/2025 12:27	WG2538475
Benidine	ND	J4	1.76	1	06/17/2025 12:27	WG2538475
Benzo(g,h,i)perylene	ND		0.0350	1	06/17/2025 12:27	WG2538475
Bis(2-chlorethoxy)methane	ND		0.350	1	06/17/2025 12:27	WG2538475
Bis(2-chloroethyl)ether	ND		0.350	1	06/17/2025 12:27	WG2538475
2,2-Oxybis(1-Chloropropane)	ND		0.350	1	06/17/2025 12:27	WG2538475
4-Bromophenyl-phenylether	ND		0.350	1	06/17/2025 12:27	WG2538475
2-Chloronaphthalene	ND		0.0350	1	06/17/2025 12:27	WG2538475
4-Chlorophenyl-phenylether	ND		0.350	1	06/17/2025 12:27	WG2538475
1,2-Dichlorobenzene	ND		0.350	1	06/17/2025 12:27	WG2538475
1,3-Dichlorobenzene	ND		0.350	1	06/17/2025 12:27	WG2538475
1,4-Dichlorobenzene	ND		0.350	1	06/17/2025 12:27	WG2538475
3,3-Dichlorobenzidine	ND		0.350	1	06/17/2025 12:27	WG2538475
2,4-Dinitrotoluene	ND		0.350	1	06/17/2025 12:27	WG2538475
2,6-Dinitrotoluene	ND		0.350	1	06/17/2025 12:27	WG2538475
Hexachlorobenzene	ND		0.350	1	06/17/2025 12:27	WG2538475
Hexachloro-1,3-butadiene	ND		0.350	1	06/17/2025 12:27	WG2538475
Hexachlorocyclopentadiene	ND	C7	0.350	1	06/17/2025 12:27	WG2538475
Hexachloroethane	ND		0.350	1	06/17/2025 12:27	WG2538475
Isophorone	ND		0.350	1	06/17/2025 12:27	WG2538475
Nitrobenzene	ND		0.350	1	06/17/2025 12:27	WG2538475
n-Nitrosodimethylamine	ND		0.350	1	06/17/2025 12:27	WG2538475
n-Nitrosodiphenylamine	ND		0.350	1	06/17/2025 12:27	WG2538475
n-Nitrosodi-n-propylamine	ND		0.350	1	06/17/2025 12:27	WG2538475
Phenanthrene	ND		0.0350	1	06/17/2025 12:27	WG2538475
Benzylbutyl phthalate	ND		0.350	1	06/17/2025 12:27	WG2538475
Bis(2-ethylhexyl)phthalate	ND		0.350	1	06/17/2025 12:27	WG2538475
Di-n-butyl phthalate	ND		0.350	1	06/17/2025 12:27	WG2538475
Diethyl phthalate	ND		0.350	1	06/17/2025 12:27	WG2538475
Dimethyl phthalate	ND		0.350	1	06/17/2025 12:27	WG2538475
Di-n-octyl phthalate	ND		0.350	1	06/17/2025 12:27	WG2538475
1,2,4-Trichlorobenzene	ND		0.350	1	06/17/2025 12:27	WG2538475
4-Chloro-3-methylphenol	ND		0.350	1	06/17/2025 12:27	WG2538475
2-Chlorophenol	ND		0.350	1	06/17/2025 12:27	WG2538475
2,4-Dichlorophenol	ND		0.350	1	06/17/2025 12:27	WG2538475
2,4-Dimethylphenol	ND		0.350	1	06/17/2025 12:27	WG2538475
4,6-Dinitro-2-methylphenol	ND		0.350	1	06/17/2025 12:27	WG2538475
2,4-Dinitrophenol	ND		0.350	1	06/17/2025 12:27	WG2538475
2-Nitrophenol	ND		0.350	1	06/17/2025 12:27	WG2538475
4-Nitrophenol	ND	C3	0.350	1	06/17/2025 12:27	WG2538475
Pentachlorophenol	ND		0.350	1	06/17/2025 12:27	WG2538475

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Phenol	ND		0.350	1	06/17/2025 12:27	WG2538475
2,4,6-Trichlorophenol	ND		0.350	1	06/17/2025 12:27	WG2538475
(S) 2-Fluorophenol	64.7		12.0-120		06/17/2025 12:27	WG2538475
(S) Phenol-d5	57.9		10.0-120		06/17/2025 12:27	WG2538475
(S) Nitrobenzene-d5	75.0		10.0-122		06/17/2025 12:27	WG2538475
(S) 2-Fluorobiphenyl	73.8		15.0-120		06/17/2025 12:27	WG2538475
(S) 2,4,6-Tribromophenol	94.3		10.0-127		06/17/2025 12:27	WG2538475
(S) p-Terphenyl-d14	78.7		10.0-120		06/17/2025 12:27	WG2538475

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0347	1	06/17/2025 02:06	WG2538512
Acenaphthene	ND		0.0347	1	06/17/2025 02:06	WG2538512
Acenaphthylene	ND		0.0347	1	06/17/2025 02:06	WG2538512
Benzo(a)anthracene	ND		0.00631	1	06/17/2025 02:06	WG2538512
Benzo(a)pyrene	ND		0.0347	1	06/17/2025 02:06	WG2538512
Benzo(b)fluoranthene	ND		0.0347	1	06/17/2025 02:06	WG2538512
Benzo(g,h,i)perylene	ND		0.0347	1	06/17/2025 02:06	WG2538512
Benzo(k)fluoranthene	ND		0.0347	1	06/17/2025 02:06	WG2538512
Chrysene	ND		0.0347	1	06/17/2025 02:06	WG2538512
Dibenz(a,h)anthracene	ND		0.0347	1	06/17/2025 02:06	WG2538512
Fluoranthene	ND		0.0347	1	06/17/2025 02:06	WG2538512
Fluorene	ND		0.0347	1	06/17/2025 02:06	WG2538512
Indeno(1,2,3-cd)pyrene	ND		0.0347	1	06/17/2025 02:06	WG2538512
Naphthalene	ND		0.00316	1	06/17/2025 02:06	WG2538512
Phenanthrene	ND		0.0347	1	06/17/2025 02:06	WG2538512
Pyrene	ND		0.0347	1	06/17/2025 02:06	WG2538512
1-Methylnaphthalene	ND		0.00316	1	06/17/2025 02:06	WG2538512
2-Methylnaphthalene	ND		0.0126	1	06/17/2025 02:06	WG2538512
(S) p-Terphenyl-d14	108		23.0-120		06/17/2025 02:06	WG2538512
(S) Nitrobenzene-d5	106		14.0-149		06/17/2025 02:06	WG2538512
(S) 2-Fluorobiphenyl	105		34.0-125		06/17/2025 02:06	WG2538512



Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.53		1	06/25/2025 13:03	WG2545177

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	3500		124	1	06/18/2025 12:23	WG2538423

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	80.5		1	06/13/2025 20:09	WG2538346

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		12.4	1	06/18/2025 02:50	WG2540890

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	3410		124	5	06/18/2025 12:23	WG2540094

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.248	1	06/26/2025 09:10	WG2538833

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.78		1	06/25/2025 13:55	WG2546541

Sample Narrative:

L1869427-24 WG2546541: 7.78 at 24C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	2060	umhos/cm		10.0	1	06/25/2025 15:50	WG2546424

Sample Narrative:

L1869427-24 WG2546424: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		124	5	06/14/2025 17:39	WG2538423

Sample Narrative:

L1869427-24 WG2538423: Dilution due to matrix impact on instrumentation at lower dilution

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	5800		900	9	06/17/2025 18:23	WG2538557

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	06/25/2025 10:12	WG2546127

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	4160		24.8	1	06/14/2025 14:40	WG2538469
Antimony	ND		2.48	1	06/14/2025 14:40	WG2538469
Beryllium	0.436		0.248	1	06/14/2025 14:40	WG2538469
Calcium	5710		124	1	06/14/2025 14:40	WG2538469
Chromium	4.97		1.24	1	06/14/2025 14:40	WG2538469
Cobalt	3.20		1.24	1	06/14/2025 14:40	WG2538469
Iron	6510		12.4	1	06/14/2025 14:40	WG2538469
Magnesium	1890		124	1	06/14/2025 14:40	WG2538469
Manganese	173		1.24	1	06/14/2025 14:40	WG2538469
Potassium	1940		124	1	06/14/2025 14:40	WG2538469
Sodium	196		124	1	06/14/2025 14:40	WG2538469
Thallium	ND		2.48	1	06/14/2025 14:40	WG2538469
Vanadium	12.7		2.48	1	06/14/2025 14:40	WG2538469

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.99		0.124	5	06/16/2025 04:41	WG2538477
Barium	81.2		12.4	5	06/16/2025 04:41	WG2538477
Cadmium	0.171		0.124	5	06/16/2025 04:41	WG2538477
Copper	ND		12.4	5	06/16/2025 04:41	WG2538477
Lead	ND		12.4	5	06/16/2025 04:41	WG2538477
Nickel	ND		12.4	5	06/16/2025 04:41	WG2538477
Selenium	0.305		0.124	5	06/16/2025 04:41	WG2538477
Silver	ND		0.621	5	06/16/2025 04:41	WG2538477
Zinc	ND		62.1	5	06/16/2025 04:41	WG2538477

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		3.11	25	06/14/2025 02:05	WG2538252
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	97.2		77.0-120		06/14/2025 02:05	WG2538252

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0743	1	06/14/2025 15:27	WG2538686
Acrylonitrile	ND		0.0186	1	06/14/2025 15:27	WG2538686
Benzene	ND		0.00149	1	06/14/2025 15:27	WG2538686
Bromobenzene	ND		0.0186	1	06/14/2025 15:27	WG2538686
Bromodichloromethane	ND		0.00371	1	06/14/2025 15:27	WG2538686
Bromoform	ND		0.0371	1	06/14/2025 15:27	WG2538686
Bromomethane	ND	C3	0.0186	1	06/14/2025 15:27	WG2538686
n-Butylbenzene	ND		0.0186	1	06/14/2025 15:27	WG2538686

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
sec-Butylbenzene	ND		0.0186	1	06/14/2025 15:27	WG2538686
tert-Butylbenzene	ND		0.00743	1	06/14/2025 15:27	WG2538686
Carbon tetrachloride	ND		0.00743	1	06/14/2025 15:27	WG2538686
Chlorobenzene	ND		0.00371	1	06/14/2025 15:27	WG2538686
Chlorodibromomethane	ND		0.00371	1	06/14/2025 15:27	WG2538686
Chloroethane	ND		0.00743	1	06/14/2025 15:27	WG2538686
Chloroform	ND		0.00371	1	06/14/2025 15:27	WG2538686
Chloromethane	ND		0.0186	1	06/14/2025 15:27	WG2538686
2-Chlorotoluene	ND		0.00371	1	06/14/2025 15:27	WG2538686
4-Chlorotoluene	ND		0.00743	1	06/14/2025 15:27	WG2538686
1,2-Dibromo-3-Chloropropane	ND		0.0371	1	06/14/2025 15:27	WG2538686
1,2-Dibromoethane	ND		0.00371	1	06/14/2025 15:27	WG2538686
Dibromomethane	ND		0.00743	1	06/14/2025 15:27	WG2538686
1,2-Dichlorobenzene	ND		0.00743	1	06/14/2025 15:27	WG2538686
1,3-Dichlorobenzene	ND		0.00743	1	06/14/2025 15:27	WG2538686
1,4-Dichlorobenzene	ND		0.00743	1	06/14/2025 15:27	WG2538686
Dichlorodifluoromethane	ND		0.00743	1	06/14/2025 15:27	WG2538686
1,1-Dichloroethane	ND		0.00371	1	06/14/2025 15:27	WG2538686
1,2-Dichloroethane	ND		0.00371	1	06/14/2025 15:27	WG2538686
1,1-Dichloroethene	ND		0.00371	1	06/14/2025 15:27	WG2538686
cis-1,2-Dichloroethene	ND		0.00371	1	06/14/2025 15:27	WG2538686
trans-1,2-Dichloroethene	ND		0.00743	1	06/14/2025 15:27	WG2538686
1,2-Dichloropropane	ND		0.00743	1	06/14/2025 15:27	WG2538686
1,1-Dichloropropene	ND		0.00371	1	06/14/2025 15:27	WG2538686
1,3-Dichloropropane	ND		0.00743	1	06/14/2025 15:27	WG2538686
cis-1,3-Dichloropropene	ND		0.00371	1	06/14/2025 15:27	WG2538686
trans-1,3-Dichloropropene	ND		0.00743	1	06/14/2025 15:27	WG2538686
2,2-Dichloropropane	ND		0.00371	1	06/14/2025 15:27	WG2538686
Di-isopropyl ether	ND		0.00149	1	06/14/2025 15:27	WG2538686
Ethylbenzene	ND		0.0149	1	06/14/2025 15:27	WG2538686
Hexachloro-1,3-butadiene	ND	C3	0.0371	1	06/14/2025 15:27	WG2538686
Isopropylbenzene	ND		0.00371	1	06/14/2025 15:27	WG2538686
p-Isopropyltoluene	ND		0.00743	1	06/14/2025 15:27	WG2538686
2-Butanone (MEK)	ND	J4	0.149	1	06/14/2025 15:27	WG2538686
Methylene Chloride	ND		0.0371	1	06/14/2025 15:27	WG2538686
4-Methyl-2-pentanone (MIBK)	ND		0.0371	1	06/14/2025 15:27	WG2538686
Methyl tert-butyl ether	ND		0.00149	1	06/14/2025 15:27	WG2538686
n-Propylbenzene	ND		0.00743	1	06/14/2025 15:27	WG2538686
Styrene	ND		0.0186	1	06/14/2025 15:27	WG2538686
1,1,1,2-Tetrachloroethane	ND		0.00371	1	06/14/2025 15:27	WG2538686
1,1,2,2-Tetrachloroethane	ND		0.00371	1	06/14/2025 15:27	WG2538686
1,1,2-Trichlorotrifluoroethane	ND		0.00371	1	06/14/2025 15:27	WG2538686
Tetrachloroethene	ND	C3	0.00371	1	06/14/2025 15:27	WG2538686
Toluene	ND		0.0149	1	06/14/2025 15:27	WG2538686
1,2,3-Trichlorobenzene	ND	C3	0.0186	1	06/14/2025 15:27	WG2538686
1,2,4-Trichlorobenzene	ND		0.0186	1	06/14/2025 15:27	WG2538686
1,1,1-Trichloroethane	ND		0.00371	1	06/14/2025 15:27	WG2538686
1,1,2-Trichloroethane	ND		0.00371	1	06/14/2025 15:27	WG2538686
Trichloroethene	ND		0.00149	1	06/14/2025 15:27	WG2538686
Trichlorofluoromethane	ND		0.00371	1	06/14/2025 15:27	WG2538686
1,2,3-Trichloropropane	ND		0.0186	1	06/14/2025 15:27	WG2538686
1,2,3-Trimethylbenzene	ND		0.00743	1	06/14/2025 15:27	WG2538686
1,2,4-Trimethylbenzene	ND		0.00743	1	06/14/2025 15:27	WG2538686
1,3,5-Trimethylbenzene	ND		0.00743	1	06/14/2025 15:27	WG2538686
Vinyl chloride	ND		0.00371	1	06/14/2025 15:27	WG2538686
Xylenes, Total	ND		0.149	1	06/14/2025 15:27	WG2538686

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) Toluene-d8	97.4		75.0-131		06/14/2025 15:27	WG2538686
(S) 4-Bromofluorobenzene	96.3		67.0-138		06/14/2025 15:27	WG2538686
(S) 1,2-Dichloroethane-d4	112		70.0-130		06/14/2025 15:27	WG2538686

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.97	1	06/17/2025 11:04	WG2538492
C28-C36 Motor Oil Range	ND		4.97	1	06/17/2025 11:04	WG2538492
(S) o-Terphenyl	62.7		18.0-148		06/17/2025 11:04	WG2538492

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		0.0414	1	06/17/2025 12:49	WG2538475
Benzidine	ND	J4	2.07	1	06/17/2025 12:49	WG2538475
Benzo(g,h,i)perylene	ND		0.0414	1	06/17/2025 12:49	WG2538475
Bis(2-chlorethoxy)methane	ND		0.414	1	06/17/2025 12:49	WG2538475
Bis(2-chloroethyl)ether	ND		0.414	1	06/17/2025 12:49	WG2538475
2,2-Oxybis(1-Chloropropane)	ND		0.414	1	06/17/2025 12:49	WG2538475
4-Bromophenyl-phenylether	ND		0.414	1	06/17/2025 12:49	WG2538475
2-Chloronaphthalene	ND		0.0414	1	06/17/2025 12:49	WG2538475
4-Chlorophenyl-phenylether	ND		0.414	1	06/17/2025 12:49	WG2538475
1,2-Dichlorobenzene	ND		0.414	1	06/17/2025 12:49	WG2538475
1,3-Dichlorobenzene	ND		0.414	1	06/17/2025 12:49	WG2538475
1,4-Dichlorobenzene	ND		0.414	1	06/17/2025 12:49	WG2538475
3,3-Dichlorobenzidine	ND		0.414	1	06/17/2025 12:49	WG2538475
2,4-Dinitrotoluene	ND		0.414	1	06/17/2025 12:49	WG2538475
2,6-Dinitrotoluene	ND		0.414	1	06/17/2025 12:49	WG2538475
Hexachlorobenzene	ND		0.414	1	06/17/2025 12:49	WG2538475
Hexachloro-1,3-butadiene	ND		0.414	1	06/17/2025 12:49	WG2538475
Hexachlorocyclopentadiene	ND	C7	0.414	1	06/17/2025 12:49	WG2538475
Hexachloroethane	ND		0.414	1	06/17/2025 12:49	WG2538475
Isophorone	ND		0.414	1	06/17/2025 12:49	WG2538475
Nitrobenzene	ND		0.414	1	06/17/2025 12:49	WG2538475
n-Nitrosodimethylamine	ND		0.414	1	06/17/2025 12:49	WG2538475
n-Nitrosodiphenylamine	ND		0.414	1	06/17/2025 12:49	WG2538475
n-Nitrosodi-n-propylamine	ND		0.414	1	06/17/2025 12:49	WG2538475
Phenanthrene	ND		0.0414	1	06/17/2025 12:49	WG2538475
Benzylbutyl phthalate	ND		0.414	1	06/17/2025 12:49	WG2538475
Bis(2-ethylhexyl)phthalate	ND		0.414	1	06/17/2025 12:49	WG2538475
Di-n-butyl phthalate	ND		0.414	1	06/17/2025 12:49	WG2538475
Diethyl phthalate	ND		0.414	1	06/17/2025 12:49	WG2538475
Dimethyl phthalate	ND		0.414	1	06/17/2025 12:49	WG2538475
Di-n-octyl phthalate	ND		0.414	1	06/17/2025 12:49	WG2538475
1,2,4-Trichlorobenzene	ND		0.414	1	06/17/2025 12:49	WG2538475
4-Chloro-3-methylphenol	ND		0.414	1	06/17/2025 12:49	WG2538475
2-Chlorophenol	ND		0.414	1	06/17/2025 12:49	WG2538475
2,4-Dichlorophenol	ND		0.414	1	06/17/2025 12:49	WG2538475
2,4-Dimethylphenol	ND		0.414	1	06/17/2025 12:49	WG2538475
4,6-Dinitro-2-methylphenol	ND		0.414	1	06/17/2025 12:49	WG2538475
2,4-Dinitrophenol	ND		0.414	1	06/17/2025 12:49	WG2538475
2-Nitrophenol	ND		0.414	1	06/17/2025 12:49	WG2538475
4-Nitrophenol	ND	C3	0.414	1	06/17/2025 12:49	WG2538475
Pentachlorophenol	ND		0.414	1	06/17/2025 12:49	WG2538475

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Phenol	ND		0.414	1	06/17/2025 12:49	WG2538475
2,4,6-Trichlorophenol	ND		0.414	1	06/17/2025 12:49	WG2538475
(S) 2-Fluorophenol	56.1		12.0-120		06/17/2025 12:49	WG2538475
(S) Phenol-d5	52.0		10.0-120		06/17/2025 12:49	WG2538475
(S) Nitrobenzene-d5	60.7		10.0-122		06/17/2025 12:49	WG2538475
(S) 2-Fluorobiphenyl	56.4		15.0-120		06/17/2025 12:49	WG2538475
(S) 2,4,6-Tribromophenol	80.2		10.0-127		06/17/2025 12:49	WG2538475
(S) p-Terphenyl-d14	62.9		10.0-120		06/17/2025 12:49	WG2538475

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0410	1	06/17/2025 02:26	WG2538512
Acenaphthene	ND		0.0410	1	06/17/2025 02:26	WG2538512
Acenaphthylene	ND		0.0410	1	06/17/2025 02:26	WG2538512
Benzo(a)anthracene	ND		0.00745	1	06/17/2025 02:26	WG2538512
Benzo(a)pyrene	ND		0.0410	1	06/17/2025 02:26	WG2538512
Benzo(b)fluoranthene	ND		0.0410	1	06/17/2025 02:26	WG2538512
Benzo(g,h,i)perylene	ND		0.0410	1	06/17/2025 02:26	WG2538512
Benzo(k)fluoranthene	ND		0.0410	1	06/17/2025 02:26	WG2538512
Chrysene	ND		0.0410	1	06/17/2025 02:26	WG2538512
Dibenz(a,h)anthracene	ND		0.0410	1	06/17/2025 02:26	WG2538512
Fluoranthene	ND		0.0410	1	06/17/2025 02:26	WG2538512
Fluorene	ND		0.0410	1	06/17/2025 02:26	WG2538512
Indeno(1,2,3-cd)pyrene	ND		0.0410	1	06/17/2025 02:26	WG2538512
Naphthalene	ND		0.00373	1	06/17/2025 02:26	WG2538512
Phenanthrene	ND		0.0410	1	06/17/2025 02:26	WG2538512
Pyrene	ND		0.0410	1	06/17/2025 02:26	WG2538512
1-Methylnaphthalene	ND		0.00373	1	06/17/2025 02:26	WG2538512
2-Methylnaphthalene	ND		0.0149	1	06/17/2025 02:26	WG2538512
(S) p-Terphenyl-d14	70.3		23.0-120		06/17/2025 02:26	WG2538512
(S) Nitrobenzene-d5	73.5		14.0-149		06/17/2025 02:26	WG2538512
(S) 2-Fluorobiphenyl	74.7		34.0-125		06/17/2025 02:26	WG2538512

¹ Cp² Tc³ Ss⁴ Cn⁵ Ds⁶ Sr⁷ Qc⁸ Gl⁹ Al¹⁰ Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0500	1	06/13/2025 21:25	WG2538285
Acrolein	ND	C3	0.0500	1	06/13/2025 21:25	WG2538285
Acrylonitrile	ND		0.0100	1	06/13/2025 21:25	WG2538285
Benzene	ND		0.00100	1	06/13/2025 21:25	WG2538285
Bromobenzene	ND		0.00100	1	06/13/2025 21:25	WG2538285
Bromodichloromethane	ND		0.00100	1	06/13/2025 21:25	WG2538285
Bromoform	ND		0.00100	1	06/13/2025 21:25	WG2538285
Bromomethane	ND		0.00500	1	06/13/2025 21:25	WG2538285
n-Butylbenzene	ND		0.00100	1	06/13/2025 21:25	WG2538285
sec-Butylbenzene	ND		0.00100	1	06/13/2025 21:25	WG2538285
tert-Butylbenzene	ND		0.00100	1	06/13/2025 21:25	WG2538285
Carbon tetrachloride	ND		0.00100	1	06/13/2025 21:25	WG2538285
Chlorobenzene	ND		0.00100	1	06/13/2025 21:25	WG2538285
Chlorodibromomethane	ND		0.00100	1	06/13/2025 21:25	WG2538285
Chloroethane	ND		0.00500	1	06/13/2025 21:25	WG2538285
Chloroform	ND		0.00500	1	06/13/2025 21:25	WG2538285
Chloromethane	ND	C3	0.00250	1	06/13/2025 21:25	WG2538285
2-Chlorotoluene	ND		0.00100	1	06/13/2025 21:25	WG2538285
4-Chlorotoluene	ND		0.00100	1	06/13/2025 21:25	WG2538285
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	06/13/2025 21:25	WG2538285
1,2-Dibromoethane	ND		0.00100	1	06/13/2025 21:25	WG2538285
Dibromomethane	ND		0.00100	1	06/13/2025 21:25	WG2538285
1,2-Dichlorobenzene	ND		0.00100	1	06/13/2025 21:25	WG2538285
1,3-Dichlorobenzene	ND		0.00100	1	06/13/2025 21:25	WG2538285
1,4-Dichlorobenzene	ND		0.00100	1	06/13/2025 21:25	WG2538285
Dichlorodifluoromethane	ND		0.00500	1	06/13/2025 21:25	WG2538285
1,1-Dichloroethane	ND		0.00100	1	06/13/2025 21:25	WG2538285
1,2-Dichloroethane	ND		0.00100	1	06/13/2025 21:25	WG2538285
1,1-Dichloroethene	ND		0.00100	1	06/13/2025 21:25	WG2538285
cis-1,2-Dichloroethene	ND		0.00100	1	06/13/2025 21:25	WG2538285
trans-1,2-Dichloroethene	ND		0.00100	1	06/13/2025 21:25	WG2538285
1,2-Dichloropropane	ND		0.00100	1	06/13/2025 21:25	WG2538285
1,1-Dichloropropene	ND		0.00100	1	06/13/2025 21:25	WG2538285
1,3-Dichloropropane	ND		0.00100	1	06/13/2025 21:25	WG2538285
cis-1,3-Dichloropropene	ND		0.00100	1	06/13/2025 21:25	WG2538285
trans-1,3-Dichloropropene	ND		0.00100	1	06/13/2025 21:25	WG2538285
2,2-Dichloropropane	ND		0.00100	1	06/13/2025 21:25	WG2538285
Di-isopropyl ether	ND		0.00100	1	06/13/2025 21:25	WG2538285
Ethylbenzene	ND		0.00100	1	06/13/2025 21:25	WG2538285
Hexachloro-1,3-butadiene	ND		0.00100	1	06/13/2025 21:25	WG2538285
Isopropylbenzene	ND		0.00100	1	06/13/2025 21:25	WG2538285
p-Isopropyltoluene	ND		0.00100	1	06/13/2025 21:25	WG2538285
2-Butanone (MEK)	ND	C3	0.0100	1	06/13/2025 21:25	WG2538285
Methylene Chloride	ND		0.00500	1	06/13/2025 21:25	WG2538285
4-Methyl-2-pentanone (MIBK)	ND	C3	0.0100	1	06/13/2025 21:25	WG2538285
Methyl tert-butyl ether	ND		0.00100	1	06/13/2025 21:25	WG2538285
Naphthalene	ND		0.00500	1	06/13/2025 21:25	WG2538285
n-Propylbenzene	ND		0.00100	1	06/13/2025 21:25	WG2538285
Styrene	ND		0.00100	1	06/13/2025 21:25	WG2538285
1,1,1,2-Tetrachloroethane	ND		0.00100	1	06/13/2025 21:25	WG2538285
1,1,2,2-Tetrachloroethane	ND		0.00100	1	06/13/2025 21:25	WG2538285
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	06/13/2025 21:25	WG2538285
Tetrachloroethene	ND		0.00100	1	06/13/2025 21:25	WG2538285
Toluene	ND		0.00100	1	06/13/2025 21:25	WG2538285
1,2,3-Trichlorobenzene	ND		0.00100	1	06/13/2025 21:25	WG2538285
1,2,4-Trichlorobenzene	ND		0.00100	1	06/13/2025 21:25	WG2538285



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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00100	1	06/13/2025 21:25	WG2538285
1,1,2-Trichloroethane	ND		0.00100	1	06/13/2025 21:25	WG2538285
Trichloroethene	ND		0.00100	1	06/13/2025 21:25	WG2538285
Trichlorofluoromethane	ND		0.00500	1	06/13/2025 21:25	WG2538285
1,2,3-Trichloropropane	ND		0.00250	1	06/13/2025 21:25	WG2538285
1,2,4-Trimethylbenzene	ND		0.00100	1	06/13/2025 21:25	WG2538285
1,2,3-Trimethylbenzene	ND		0.00100	1	06/13/2025 21:25	WG2538285
1,3,5-Trimethylbenzene	ND		0.00100	1	06/13/2025 21:25	WG2538285
Vinyl chloride	ND		0.00100	1	06/13/2025 21:25	WG2538285
Xylenes, Total	ND		0.00300	1	06/13/2025 21:25	WG2538285
(S) Toluene-d8	102		80.0-120		06/13/2025 21:25	WG2538285
(S) 4-Bromofluorobenzene	99.9		77.0-126		06/13/2025 21:25	WG2538285
(S) 1,2-Dichloroethane-d4	94.9		70.0-130		06/13/2025 21:25	WG2538285

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	1.35		0.267	0.267	0.409	0.184	06/14/2025 18:13	WG2538766
Bismuth-214 (Ra-226)	0.685		0.166	0.166	0.242	0.111	06/14/2025 18:13	WG2538766
Lead-214	0.736		0.153	0.153	0.230	0.107	06/14/2025 18:13	WG2538766
Thorium-234 (U-238)	0.288	U	1.41	1.41	2.84	1.13	06/14/2025 18:13	WG2538766
Radium-226 (186 KeV)	1.45	U	0.817	0.817	1.45	0.685	06/14/2025 18:13	WG2538766

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	1.33		0.308	0.308	0.507	0.221	06/14/2025 18:13	WG2538766
Bismuth-214 (Ra-226)	0.895		0.210	0.210	0.269	0.120	06/14/2025 18:13	WG2538766
Lead-214	0.809		0.167	0.167	0.240	0.108	06/14/2025 18:13	WG2538766
Thorium-234 (U-238)	2.01	J	1.34	1.34	2.28	0.900	06/14/2025 18:13	WG2538766
Radium-226 (186 KeV)	1.41		0.762	0.762	1.32	0.610	06/14/2025 18:13	WG2538766

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	0.910		0.239	0.239	0.370	0.159	06/14/2025 18:14	WG2538766
Bismuth-214 (Ra-226)	0.820		0.171	0.171	0.198	0.0877	06/14/2025 18:14	WG2538766
Lead-214	0.641		0.224	0.224	0.176	0.0795	06/14/2025 18:14	WG2538766
Thorium-234 (U-238)	0.702	<u>U</u>	0.674	0.674	1.47	0.587	06/14/2025 18:14	WG2538766
Radium-226 (186 KeV)	1.48		0.625	0.625	0.967	0.451	06/14/2025 18:14	WG2538766

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	0.847		0.304	0.304	0.625	0.279	06/14/2025 19:28	WG2538766
Bismuth-214 (Ra-226)	0.788		0.210	0.210	0.291	0.130	06/14/2025 19:28	WG2538766
Lead-214	0.834		0.184	0.184	0.272	0.123	06/14/2025 19:28	WG2538766
Thorium-234 (U-238)	1.33	J	0.996	0.996	2.17	0.868	06/14/2025 19:28	WG2538766
Radium-226 (186 KeV)	1.58		0.892	0.892	1.52	0.711	06/14/2025 19:28	WG2538766

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	0.881		0.212	0.212	0.369	0.166	06/14/2025 19:28	WG2538766
Bismuth-214 (Ra-226)	0.798		0.152	0.152	0.187	0.0851	06/14/2025 19:28	WG2538766
Lead-214	0.988		0.162	0.162	0.164	0.0750	06/14/2025 19:28	WG2538766
Thorium-234 (U-238)	0.924	<u>U</u>	1.05	1.05	2.10	0.837	06/14/2025 19:28	WG2538766
Radium-226 (186 KeV)	1.34		0.643	0.643	1.12	0.527	06/14/2025 19:28	WG2538766

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/g		+ / -	+ / -	pCi/g	pCi/g	date / time	
Actinium-228 (Ra-228)	0.865		0.221	0.221	0.351	0.152	06/14/2025 19:29	WG2538766
Bismuth-214 (Ra-226)	0.736		0.152	0.152	0.183	0.0819	06/14/2025 19:29	WG2538766
Lead-214	0.711		0.124	0.124	0.167	0.0764	06/14/2025 19:29	WG2538766
Thorium-234 (U-238)	0.853	J	0.688	0.688	1.42	0.568	06/14/2025 19:29	WG2538766
Radium-226 (186 KeV)	1.18		0.616	0.616	0.978	0.460	06/14/2025 19:29	WG2538766

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	1.20		0.263	0.263	0.436	0.196	06/14/2025 19:28	WG2538766
Bismuth-214 (Ra-226)	0.734		0.167	0.167	0.236	0.108	06/14/2025 19:28	WG2538766
Lead-214	0.748		0.158	0.158	0.238	0.110	06/14/2025 19:28	WG2538766
Thorium-234 (U-238)	-0.989	U	1.43	1.43	3.14	1.25	06/14/2025 19:28	WG2538766
Radium-226 (186 KeV)	0.798	U	0.823	0.823	1.53	0.723	06/14/2025 19:28	WG2538766

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	1.01		0.296	0.296	0.538	0.233	06/14/2025 19:04	WG2538766
Bismuth-214 (Ra-226)	0.813		0.202	0.202	0.252	0.110	06/14/2025 19:04	WG2538766
Lead-214	0.861		0.167	0.167	0.235	0.105	06/14/2025 19:04	WG2538766
Thorium-234 (U-238)	0.484	U	1.09	1.09	2.34	0.920	06/14/2025 19:04	WG2538766
Radium-226 (186 KeV)	0.629	U	0.779	0.779	1.46	0.677	06/14/2025 19:04	WG2538766

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	0.946		0.249	0.249	0.412	0.176	06/14/2025 19:05	WG2538766
Bismuth-214 (Ra-226)	1.02		0.198	0.198	0.228	0.101	06/14/2025 19:05	WG2538766
Lead-214	0.566		0.254	0.254	0.204	0.0923	06/14/2025 19:05	WG2538766
Thorium-234 (U-238)	-0.0144	<u>U</u>	0.676	0.676	1.66	0.661	06/14/2025 19:05	WG2538766
Radium-226 (186 KeV)	2.92		0.711	0.711	0.930	0.428	06/14/2025 19:05	WG2538766

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/g		+ / -	+ / -	pCi/g	pCi/g	date / time	
Actinium-228 (Ra-228)	0.860		0.195	0.195	0.271	0.115	06/14/2025 20:34	WG2538891
Bismuth-214 (Ra-226)	0.694		0.146	0.146	0.184	0.0828	06/14/2025 20:34	WG2538891
Lead-214	0.878		0.157	0.157	0.171	0.0778	06/14/2025 20:34	WG2538891
Thorium-234 (U-238)	0.606	<u>U</u>	0.948	0.948	2.02	0.804	06/14/2025 20:34	WG2538891
Radium-226 (186 KeV)	1.08		0.595	0.595	1.05	0.492	06/14/2025 20:34	WG2538891

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/g		+ / -	+ / -	pCi/g	pCi/g	date / time	
Actinium-228 (Ra-228)	0.683		0.254	0.254	0.515	0.225	06/14/2025 20:34	WG2538891
Bismuth-214 (Ra-226)	0.525		0.187	0.187	0.304	0.137	06/14/2025 20:34	WG2538891
Lead-214	0.493		0.149	0.149	0.250	0.113	06/14/2025 20:34	WG2538891
Thorium-234 (U-238)	-1.39	U	1.55	1.55	3.37	1.33	06/14/2025 20:34	WG2538891
Radium-226 (186 KeV)	0.169	U	0.880	0.880	1.74	0.815	06/14/2025 20:34	WG2538891

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	1.08		0.303	0.303	0.480	0.198	06/14/2025 20:35	WG2538891
Bismuth-214 (Ra-226)	0.561		0.177	0.177	0.228	0.0960	06/14/2025 20:35	WG2538891
Lead-214	0.788		0.174	0.174	0.242	0.107	06/14/2025 20:35	WG2538891
Thorium-234 (U-238)	0.642	<u>U</u>	1.19	1.19	2.43	0.949	06/14/2025 20:35	WG2538891
Radium-226 (186 KeV)	1.92		0.775	0.775	1.24	0.563	06/14/2025 20:35	WG2538891

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	0.887		0.245	0.245	0.431	0.182	06/14/2025 20:35	WG2538891
Bismuth-214 (Ra-226)	0.679		0.186	0.186	0.255	0.114	06/14/2025 20:35	WG2538891
Lead-214	0.548		0.214	0.214	0.171	0.0763	06/14/2025 20:35	WG2538891
Thorium-234 (U-238)	0.374	<u>U</u>	0.724	0.724	1.72	0.683	06/14/2025 20:35	WG2538891
Radium-226 (186 KeV)	1.29		0.507	0.507	0.767	0.355	06/14/2025 20:35	WG2538891

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/g		+ / -	+ / -	pCi/g	pCi/g	date / time	
Actinium-228 (Ra-228)	0.930		0.372	0.372	0.740	0.305	06/14/2025 20:36	WG2538891
Bismuth-214 (Ra-226)	0.700		0.256	0.256	0.362	0.154	06/14/2025 20:36	WG2538891
Lead-214	0.729		0.210	0.210	0.367	0.164	06/14/2025 20:36	WG2538891
Thorium-234 (U-238)	0.612	U	0.802	0.802	2.04	0.806	06/14/2025 20:36	WG2538891
Radium-226 (186 KeV)	1.41	U	1.02	1.02	1.69	0.780	06/14/2025 20:36	WG2538891

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	0.886		0.240	0.240	0.406	0.173	06/14/2025 20:00	WG2538891
Bismuth-214 (Ra-226)	0.576		0.158	0.158	0.213	0.0939	06/14/2025 20:00	WG2538891
Lead-214	0.666		0.139	0.139	0.215	0.0980	06/14/2025 20:00	WG2538891
Thorium-234 (U-238)	1.14	J	0.794	0.794	1.52	0.602	06/14/2025 20:00	WG2538891
Radium-226 (186 KeV)	1.33		0.698	0.698	1.11	0.518	06/14/2025 20:00	WG2538891

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	1.43		0.306	0.306	0.467	0.205	06/14/2025 20:54	WG2538891
Bismuth-214 (Ra-226)	0.826		0.192	0.192	0.254	0.114	06/14/2025 20:54	WG2538891
Lead-214	0.744		0.152	0.152	0.226	0.103	06/14/2025 20:54	WG2538891
Thorium-234 (U-238)	1.03	U	0.853	0.853	1.82	0.731	06/14/2025 20:54	WG2538891
Radium-226 (186 KeV)	0.747	U	0.751	0.751	1.34	0.632	06/14/2025 20:54	WG2538891

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	0.688		0.215	0.215	0.412	0.183	06/14/2025 21:29	WG2538891
Bismuth-214 (Ra-226)	0.589		0.154	0.154	0.222	0.101	06/14/2025 21:29	WG2538891
Lead-214	0.479		0.131	0.131	0.221	0.102	06/14/2025 21:29	WG2538891
Thorium-234 (U-238)	-0.363	U	1.11	1.11	2.42	0.957	06/14/2025 21:29	WG2538891
Radium-226 (186 KeV)	0.451	U	0.708	0.708	1.35	0.635	06/14/2025 21:29	WG2538891

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	0.858		0.297	0.297	0.593	0.256	06/14/2025 21:29	WG2538891
Bismuth-214 (Ra-226)	0.622		0.192	0.192	0.269	0.118	06/14/2025 21:29	WG2538891
Lead-214	0.702		0.173	0.173	0.291	0.132	06/14/2025 21:29	WG2538891
Thorium-234 (U-238)	1.44	J	1.18	1.18	1.98	0.767	06/14/2025 21:29	WG2538891
Radium-226 (186 KeV)	1.42		0.763	0.763	1.31	0.600	06/14/2025 21:29	WG2538891

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	0.934		0.250	0.250	0.401	0.168	06/14/2025 21:30	WG2538891
Bismuth-214 (Ra-226)	0.704		0.177	0.177	0.229	0.101	06/14/2025 21:30	WG2538891
Lead-214	1.06		0.141	0.141	0.183	0.0824	06/14/2025 21:30	WG2538891
Thorium-234 (U-238)	-0.0751	<u>U</u>	0.672	0.672	1.63	0.647	06/14/2025 21:30	WG2538891
Radium-226 (186 KeV)	0.829		0.484	0.484	0.782	0.362	06/14/2025 21:30	WG2538891

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4230492-2 06/14/25 17:04

Analyte	MB Result pCi/g	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/g	MB Lc pCi/g
Actinium-228 (Ra-228)	0.0537	C	0.117	0.340	0.133
Americium-241	-0.00780	C	0.147	0.268	0.121
Bismuth-214 (Ra-226)	0.0536	C	0.0724	0.146	0.0576
Cesium-137	0.0214	C	0.0459	0.0959	0.0391
Cobalt-60	-0.00429	C	0.0265	0.112	0.0418
Lead-214	0.0137	C	0.0712	0.164	0.0710
Radium-226 (186 KeV)	0.721	C	0.584	0.974	0.441
Thorium-234 (U-238)	1.96	C	0.853	1.23	0.473

L1868895-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1868895-13 06/14/25 17:22 • (DUP) R4230492-3 06/14/25 18:11

Analyte	Original Result pCi/g	Original 2 sigma CE + / -	Original MDA pCi/g	Original Lc pCi/g	DUP Result pCi/g	DUP 2 sigma CE + / -	DUP MDA pCi/g	DUP Lc pCi/g	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Actinium-228 (Ra-228)	1.12	0.258	0.406	0.176	0.669	0.367	0.855	0.359	50.3	1.00	C	20	3
Bismuth-214 (Ra-226)	0.781	0.164	0.191	0.0843	0.873	0.280	0.372	0.157	11.1	0.283	C	20	3
Lead-214	0.769	0.134	0.182	0.0827	0.872	0.227	0.362	0.160	12.5	0.387	C	20	3
Radium-226 (186 KeV)	1.36	0.686	1.08	0.508	0.720	1.12	1.95	0.902	61.7	0.490	C	20	3
Thorium-234 (U-238)	1.17	0.772	1.50	0.600	0.984	0.913	2.30	0.912	17.6	0.159	C	20	3

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

(LCS) R4230492-1 06/14/25 16:58 • (LCSD) R4230492-4 06/14/25 18:11

Analyte	Spike Amount pCi/g	LCS Result pCi/g	LCSD Result pCi/g	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Americium-241	36.9	37.3	36.4	101	98.7	80.0-120			2.41	20
Cesium-137	53.8	57.7	58.4	107	109	80.0-120			1.33	20
Cobalt-60	62.9	63.6	66.2	101	105	80.0-120			4.00	20

Cp

Tc

Ss

Cn

Ds

Sr

Qc

Gl

Al

Sc

Method Blank (MB)

(MB) R4230769-1 06/14/25 19:50

Analyte	MB Result pCi/g	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/g	MB Lc pCi/g
Actinium-228 (Ra-228)	0.141	⌋	0.193	0.649	0.237
Americium-241	0.0639	⌋	0.118	0.228	0.100
Bismuth-214 (Ra-226)	-0.0189	⌋	0.133	0.335	0.132
Cesium-137	-0.00227	⌋	0.0732	0.170	0.0646
Cobalt-60	0.0470	⌋	0.0671	0.240	0.0855
Lead-214	-0.000601	⌋	0.130	0.313	0.131
Radium-226 (186 KeV)	0.813	⌋	0.803	1.39	0.611
Thorium-234 (U-238)	1.36	⌋	0.744	1.51	0.568

L1869427-35 Original Sample (OS) • Duplicate (DUP)

(OS) L1869427-35 06/14/25 20:34 • (DUP) R4230769-4 06/14/25 21:44

Analyte	Original Result pCi/g	Original 2 sigma CE + / -	Original MDA pCi/g	Original Lc pCi/g	DUP Result pCi/g	DUP 2 sigma CE + / -	DUP MDA pCi/g	DUP Lc pCi/g	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Actinium-228 (Ra-228)	0.860	0.195	0.271	0.115	0.965	0.277	0.456	0.196	11.5	0.309		20	3
Bismuth-214 (Ra-226)	0.694	0.146	0.184	0.0828	0.729	0.197	0.274	0.123	4.95	0.143		20	3
Lead-214	0.878	0.157	0.171	0.0778	0.774	0.162	0.254	0.116	12.6	0.461		20	3
Radium-226 (186 KeV)	1.08	0.595	1.05	0.492	1.47	0.755	1.26	0.589	30.8	0.409		20	3
Thorium-234 (U-238)	0.606	0.948	2.02	0.804	1.31	0.884	1.86	0.743	73.4	0.542	⌋	20	3

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

(LCS) R4230769-2 06/14/25 20:34 • (LCSD) R4230769-3 06/14/25 21:28

Analyte	Spike Amount pCi/g	LCS Result pCi/g	LCSD Result pCi/g	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Americium-241	79.3	68.5	77.9	86.3	98.2	80.0-120			12.9	20
Cesium-137	116	107	112	92.2	96.1	80.0-120			4.21	20
Cobalt-60	135	126	124	92.8	91.5	80.0-120			1.36	20

1

Cp

2

Tc

3

Ss

4

Cn

5

Ds

6

Sr

7

Qc

8

Gl

9

Al

10

Sc

Method Blank (MB)

(MB) R4230349-1 06/13/25 19:53

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.00100			

L1869427-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1869427-10 06/13/25 19:53 • (DUP) R4230349-3 06/13/25 19:53

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	78.7	85.0	1	7.67		10

Laboratory Control Sample (LCS)

(LCS) R4230349-2 06/13/25 19:53

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4230350-1 06/13/25 20:09

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.00100			

1

Cp

2

Tc

3

Ss

4

Cn

5

Ds

6

Sr

7

Qc

8

Gl

9

Al

10

Sc

L1869433-26 Original Sample (OS) • Duplicate (DUP)

(OS) L1869433-26 06/13/25 20:09 • (DUP) R4230350-3 06/13/25 20:09

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	94.2	95.1	1	0.939		10

Laboratory Control Sample (LCS)

(LCS) R4230350-2 06/13/25 20:09

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

Method Blank (MB)

(MB) R4231303-1 06/17/25 01:19

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Ammonia Nitrogen	U		7.19	10.0

L1869427-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1869427-01 06/17/25 01:22 • (DUP) R4231303-3 06/17/25 01:23

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Ammonia Nitrogen	ND	ND	1	0.000		20

L1869427-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1869427-05 06/17/25 01:28 • (DUP) R4231303-4 06/17/25 01:29

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Ammonia Nitrogen	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4231303-2 06/17/25 01:20

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Ammonia Nitrogen	250	267	107	90.0-110	

L1869427-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869427-10 06/17/25 01:40 • (MS) R4231303-5 06/17/25 01:41 • (MSD) R4231303-6 06/17/25 01:43

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Ammonia Nitrogen	318	ND	358	351	113	111	1	90.0-110	J5	J5	1.90	20

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4231967-1 06/18/25 02:47

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Ammonia Nitrogen	U		7.19	10.0

L1869433-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1869433-02 06/18/25 02:51 • (DUP) R4231967-3 06/18/25 02:53

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Ammonia Nitrogen	ND	ND	1	0.000		20

L1869433-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1869433-03 06/18/25 02:54 • (DUP) R4231967-4 06/18/25 02:56

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Ammonia Nitrogen	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4231967-2 06/18/25 02:48

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Ammonia Nitrogen	250	273	109	90.0-110	

L1869433-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869433-10 06/18/25 03:08 • (MS) R4231967-5 06/18/25 03:09 • (MSD) R4231967-6 06/18/25 03:11

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Ammonia Nitrogen	268	ND	294	285	110	106	1	90.0-110			3.08	20

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4231606-1 06/17/25 12:34

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Kjeldahl Nitrogen, TKN	U		15.2	20.0

L1869427-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1869427-01 06/17/25 12:43 • (DUP) R4231606-4 06/17/25 12:45

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Kjeldahl Nitrogen, TKN	266	272	5	2.18		20

L1869427-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1869427-07 06/17/25 12:54 • (DUP) R4231606-5 06/17/25 12:56

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Kjeldahl Nitrogen, TKN	2220	2390	5	7.36		20

Laboratory Control Sample (LCS)

(LCS) R4231606-2 06/17/25 12:35

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Kjeldahl Nitrogen, TKN	624	651	104	81.7-124	

L1869413-23 Original Sample (OS) • Matrix Spike (MS)

(OS) L1869413-23 06/17/25 12:39 • (MS) R4231606-3 06/17/25 12:41

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/kg	mg/kg	mg/kg	%		%	
Kjeldahl Nitrogen, TKN	449	1440	1720	60.6	1	81.7-124	E J6

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

L1869427-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869427-10 06/17/25 13:00 • (MS) R4231606-6 06/17/25 13:02 • (MSD) R4231606-7 06/17/25 13:04

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Kjeldahl Nitrogen, TKN	508	1170	1430	1440	52.3	53.7	1	81.7-124	<u>E J6</u>	<u>E J6</u>	0.484	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4232217-1 06/18/25 12:08

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Kjeldahl Nitrogen, TKN	U		15.2	20.0

L1869413-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1869413-18 06/18/25 12:11 • (DUP) R4232217-3 06/18/25 12:13

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Kjeldahl Nitrogen, TKN	2080	2420	5	14.9		20

L1869413-19 Original Sample (OS) • Duplicate (DUP)

(OS) L1869413-19 06/18/25 12:15 • (DUP) R4232217-4 06/18/25 12:17

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Kjeldahl Nitrogen, TKN	3380	2870	5	16.5		20

Laboratory Control Sample (LCS)

(LCS) R4232217-2 06/18/25 12:10

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Kjeldahl Nitrogen, TKN	624	705	113	81.7-124	

L1869413-20 Original Sample (OS) • Matrix Spike (MS)

(OS) L1869413-20 06/18/25 12:19 • (MS) R4232217-5 06/18/25 12:21

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/kg	mg/kg	mg/kg	%		%	
Kjeldahl Nitrogen, TKN	422	2140	2050	0.000	1	81.7-124	E V

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

L1869433-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869433-10 06/18/25 12:42 • (MS) R4232217-6 06/18/25 12:44 • (MSD) R4232217-7 06/18/25 12:46

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Kjeldahl Nitrogen, TKN	429	1430	1750	1620	75.6	45.6	1	81.7-124	E J6	E J6	7.63	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4236369-1 06/25/25 23:11

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

L1869427-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1869427-06 06/26/25 00:04 • (DUP) R4236369-3 06/26/25 00:13

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

L1869472-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1869472-16 06/26/25 01:52 • (DUP) R4236369-4 06/26/25 02:01

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

Laboratory Control Sample (LCS)

(LCS) R4236369-2 06/25/25 23:19

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Hexavalent Chromium	10.0	9.92	99.2	80.0-120	

L1869472-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869472-19 06/26/25 02:19 • (MS) R4236369-5 06/26/25 02:46 • (MSD) R4236369-6 06/26/25 02:55

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Hexavalent Chromium	21.4	ND	9.36	8.95	43.8	41.8	1	75.0-125	J6	J6	4.54	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

L1869472-19 Original Sample (OS) • Matrix Spike (MS)

(OS) L1869472-19 06/26/25 02:19 • (MS) R4236369-7 06/26/25 03:04

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MS Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>
Analyte	mg/kg	mg/kg	mg/kg	%		%	
Hexavalent Chromium	696	ND	695	99.8	50	75.0-125	

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4236630-1 06/26/25 05:22

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

L1869427-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1869427-20 06/26/25 07:54 • (DUP) R4236630-7 06/26/25 08:03

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

L1869496-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1869496-09 06/26/25 09:37 • (DUP) R4236630-8 06/26/25 09:46

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

Laboratory Control Sample (LCS)

(LCS) R4236630-2 06/26/25 05:30

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

L1869427-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869427-10 06/26/25 05:48 • (MS) R4236630-4 06/26/25 06:06 • (MSD) R4236630-5 06/26/25 06:15

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Hexavalent Chromium	25.4	ND	20.2	16.8	79.5	66.1	1	75.0-125		J6	18.5	20

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

L1869427-10 Original Sample (OS) • Matrix Spike (MS)

(OS) L1869427-10 06/26/25 05:48 • (MS) R4236630-6 06/26/25 06:24

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MS Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>
Analyte	mg/kg	mg/kg	mg/kg	%		%	
Hexavalent Chromium	827	ND	729	88.2	50	75.0-125	

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

L1868473-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1868473-13 06/21/25 07:16 • (DUP) R4233988-2 06/21/25 07:16

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	7.67	7.62	1	0.654		1

Sample Narrative:

OS: 7.67 at 22.2C
DUP: 7.62 at 22C

L1869511-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1869511-15 06/21/25 07:16 • (DUP) R4233988-3 06/21/25 07:16

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	7.29	7.26	1	0.412		1

Sample Narrative:

OS: 7.29 at 21.6C
DUP: 7.26 at 21.7C

Laboratory Control Sample (LCS)

(LCS) R4233988-1 06/21/25 07:16

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

Sample Narrative:

LCS: 10.01 at 21.7C

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

L1869272-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1869272-02 06/21/25 10:11 • (DUP) R4234020-2 06/21/25 10:11

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	8.06	8.03	1	0.373		1

Sample Narrative:

OS: 8.06 at 22.8C

DUP: 8.03 at 23C

L1869427-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1869427-21 06/21/25 10:11 • (DUP) R4234020-3 06/21/25 10:11

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	7.60	7.59	1	0.132		1

Sample Narrative:

OS: 7.6 at 23.2C

DUP: 7.59 at 23.2C

Laboratory Control Sample (LCS)

(LCS) R4234020-1 06/21/25 10:11

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

Sample Narrative:

LCS: 9.99 at 22.5C

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

L1869427-24 Original Sample (OS) • Duplicate (DUP)

(OS) L1869427-24 06/25/25 13:55 • (DUP) R4236052-2 06/25/25 13:55

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	su	su		%		%
pH	7.78	7.79	1	0.128		1

Sample Narrative:

OS: 7.78 at 24C

DUP: 7.79 at 24.4C

Laboratory Control Sample (LCS)

(LCS) R4236052-1 06/25/25 13:55

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

Sample Narrative:

LCS: 10 at 23.6C

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4234047-1 06/21/25 16:12

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

Sample Narrative:

BLANK: at 25C

L1868473-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1868473-14 06/21/25 16:12 • (DUP) R4234047-3 06/21/25 16:12

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	247	246	1	0.244		20

Sample Narrative:

OS: at 25C

DUP: at 25C

L1869511-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1869511-14 06/21/25 16:12 • (DUP) R4234047-4 06/21/25 16:12

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	349	346	1	0.863		20

Sample Narrative:

OS: at 25C

DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4234047-2 06/21/25 16:12

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	581	569	97.9	90.0-110	

Sample Narrative:

LCS: at 25C

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4234832-1 06/23/25 18:29

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

Sample Narrative:

BLANK: at 25C

L1869272-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1869272-02 06/23/25 18:29 • (DUP) R4234832-3 06/23/25 18:29

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	278	279	1	0.288		20

Sample Narrative:

OS: at 25C

DUP: at 25C

L1869427-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1869427-20 06/23/25 18:29 • (DUP) R4234832-4 06/23/25 18:29

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	380	380	1	0.000		20

Sample Narrative:

OS: at 25C

DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4234832-2 06/23/25 18:29

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	581	589	101	90.0-110	

Sample Narrative:

LCS: at 25C

1

Cp

2

Tc

3

Ss

4

Cn

5

Ds

6

Sr

7

Qc

8

Gl

9

Al

10

Sc

Method Blank (MB)

(MB) R4236079-1 06/25/25 15:50

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

Sample Narrative:

BLANK: at 25C

L1869427-24 Original Sample (OS) • Duplicate (DUP)

(OS) L1869427-24 06/25/25 15:50 • (DUP) R4236079-3 06/25/25 15:50

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	2060	2070	1	0.242		20

Sample Narrative:

OS: at 25C

DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4236079-2 06/25/25 15:50

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	581	533	91.7	90.0-110	

Sample Narrative:

LCS: at 25C

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4230582-1 06/14/25 14:57

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Nitrate-Nitrite	1.40		0.606	20.0

Laboratory Control Sample (LCS)

(LCS) R4230582-2 06/14/25 15:14

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	40.0	36.2	90.5	80.0-120	

L1869427-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869427-10 06/14/25 18:46 • (MS) R4230582-3 06/14/25 19:02 • (MSD) R4230582-4 06/14/25 19:19

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	50.8	ND	302	282	124	84.9	10	80.0-120			6.77	15

Sample Narrative:

OS: Dilution due to matrix impact on instrumentation at lower dilution

1

Cp

2

Tc

3

Ss

4

Cn

5

Ds

6

Sr

7

Qc

8

Gl

9

Al

10

Sc

Method Blank (MB)

(MB) R4230985-1 06/14/25 17:00

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Nitrate-Nitrite	0.729	⬇	0.606	20.0

Laboratory Control Sample (LCS)

(LCS) R4230985-2 06/14/25 17:13

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	40.0	35.9	89.7	80.0-120	

L1869433-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869433-10 06/14/25 17:52 • (MS) R4230985-3 06/14/25 18:05 • (MSD) R4230985-4 06/14/25 18:18

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	42.9	ND	53.7	50.9	105	98.7	1.02	80.0-120			5.33	15

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4231832-1 06/17/25 18:16

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
TOC By Walkley Black	U		25.5	100

L1869272-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1869272-03 06/17/25 18:17 • (DUP) R4231832-3 06/17/25 18:17

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
TOC By Walkley Black	5200	5140	5	1.09		20

L1869427-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1869427-20 06/17/25 18:23 • (DUP) R4231832-6 06/17/25 18:23

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
TOC By Walkley Black	2650	2830	4	6.39		20

Laboratory Control Sample (LCS)

(LCS) R4231832-2 06/17/25 18:16

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
TOC By Walkley Black	3230	2710	83.8	75.0-144	

L1869427-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869427-10 06/17/25 18:21 • (MS) R4231832-4 06/17/25 18:21 • (MSD) R4231832-5 06/17/25 18:21

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
TOC By Walkley Black	20000	11700	29800	30200	90.6	92.5	5	80.0-120			1.25	20

1

Cp

2

Tc

3

Ss

4

Cn

5

Ds

6

Sr

7

Qc

8

Gl

9

Al

10

Sc

Method Blank (MB)

(MB) R4231865-1 06/17/25 19:28

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
TOC By Walkley Black	U		25.5	100

L1869427-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1869427-13 06/17/25 19:28 • (DUP) R4231865-3 06/17/25 19:29

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
TOC By Walkley Black	22100	22900	5	3.48		20

L1869496-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1869496-14 06/17/25 19:34 • (DUP) R4231865-4 06/17/25 19:35

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
TOC By Walkley Black	9380	7990	5	16.0		20

Laboratory Control Sample (LCS)

(LCS) R4231865-2 06/17/25 19:28

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
TOC By Walkley Black	3230	3480	108	75.0-144	

L1869496-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869496-18 06/17/25 19:35 • (MS) R4231865-5 06/17/25 19:39 • (MSD) R4231865-6 06/17/25 19:39

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
TOC By Walkley Black	8000	15600	22100	22100	81.6	82.2	2	80.0-120	E	E	0.215	20

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4233122-1 06/19/25 13:09

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

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

(LCS) R4233122-2 06/19/25 13:11 • (LCSD) R4233122-3 06/19/25 13:13

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Hot Water Sol. Boron	1.00	0.991	1.03	99.1	103	80.0-120			4.31	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4233033-1 06/19/25 15:38

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

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

(LCS) R4233033-2 06/19/25 15:41 • (LCSD) R4233033-3 06/19/25 15:44

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 %
Hot Water Sol. Boron	1.00	1.04	1.05	104	105	80.0-120			0.989	20



Method Blank (MB)

(MB) R4236148-1 06/25/25 10:03

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

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

(LCS) R4236148-2 06/25/25 10:06 • (LCSD) R4236148-3 06/25/25 10:09

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Hot Water Sol. Boron	1.00	1.01	0.999	101	99.9	80.0-120			0.735	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4230434-1 06/14/25 13:24

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Aluminum	U		6.08	20.0
Antimony	U		0.691	2.00
Beryllium	U		0.0477	0.200
Calcium	U		19.0	100
Chromium	U		0.214	1.00
Cobalt	U		0.177	1.00
Iron	U		2.24	10.0
Magnesium	U		19.9	100
Manganese	U		0.173	1.00
Potassium	U		20.9	100
Sodium	U		41.2	100
Thallium	U		0.518	2.00
Vanadium	U		0.383	2.00

Laboratory Control Sample (LCS)

(LCS) R4230434-2 06/14/25 13:26

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	1000	996	99.6	80.0-120	
Antimony	100	92.2	92.2	80.0-120	
Beryllium	100	97.0	97.0	80.0-120	
Calcium	1000	928	92.8	80.0-120	
Chromium	100	97.0	97.0	80.0-120	
Cobalt	100	91.3	91.3	80.0-120	
Iron	1000	976	97.6	80.0-120	
Magnesium	1000	937	93.7	80.0-120	
Manganese	100	97.5	97.5	80.0-120	
Potassium	1000	936	93.6	80.0-120	
Sodium	1000	957	95.7	80.0-120	
Thallium	100	96.4	96.4	80.0-120	
Vanadium	100	94.2	94.2	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

L1869427-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869427-10 06/14/25 13:29 • (MS) R4230434-5 06/14/25 13:37 • (MSD) R4230434-6 06/14/25 13:40

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Aluminum	1270	6430	9010	7020	203	47.0	1	75.0-125	V	J3 V	24.8	20
Antimony	127	ND	76.9	96.0	60.6	75.5	1	75.0-125	J6	J3	22.0	20
Beryllium	127	0.609	121	128	95.1	100	1	75.0-125			4.94	20
Calcium	1270	8940	10800	11000	150	159	1	75.0-125	V	V	1.08	20
Chromium	127	6.40	125	129	93.7	96.7	1	75.0-125			2.99	20
Cobalt	127	4.14	124	129	94.0	98.4	1	75.0-125			4.45	20
Iron	1270	8110	9440	7790	105	0.000	1	75.0-125		V	19.2	20
Magnesium	1270	2760	4090	3720	105	75.2	1	75.0-125			9.59	20
Manganese	127	252	365	351	88.9	77.8	1	75.0-125			3.92	20
Potassium	1270	3390	4630	4210	97.5	64.5	1	75.0-125		J6	9.51	20
Sodium	1270	659	2200	2030	122	108	1	75.0-125			7.98	20
Thallium	127	ND	121	129	95.5	102	1	75.0-125			6.16	20
Vanadium	127	15.5	131	134	91.2	93.2	1	75.0-125			1.86	20

1

Cp

2

Tc

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Ss

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Cn

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Ds

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Sr

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Qc

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Gl

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Al

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Sc

Method Blank (MB)

(MB) R4230824-1 06/16/25 03:13

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

Laboratory Control Sample (LCS)

(LCS) R4230824-2 06/16/25 03:16

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	90.6	90.6	80.0-120	
Barium	100	89.7	89.7	80.0-120	
Cadmium	100	93.0	93.0	80.0-120	
Copper	100	91.9	91.9	80.0-120	
Lead	100	88.3	88.3	80.0-120	
Nickel	100	94.2	94.2	80.0-120	
Selenium	100	89.7	89.7	80.0-120	
Silver	20.0	18.7	93.7	80.0-120	
Zinc	100	90.7	90.7	80.0-120	

L1869427-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869427-10 06/16/25 03:20 • (MS) R4230824-5 06/16/25 03:29 • (MSD) R4230824-6 06/16/25 03:32

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	127	2.95	120	125	92.5	96.3	5	75.0-125			3.98	20
Barium	127	116	229	222	88.5	83.2	5	75.0-125			3.00	20
Cadmium	127	0.201	120	125	93.9	98.5	5	75.0-125			4.80	20
Copper	127	ND	127	132	99.9	104	5	75.0-125			3.62	20
Lead	127	ND	122	127	95.8	99.9	5	75.0-125			4.19	20
Nickel	127	ND	129	132	101	104	5	75.0-125			2.70	20
Selenium	127	0.450	113	118	88.9	92.9	5	75.0-125			4.32	20
Silver	25.4	ND	24.0	25.1	94.3	98.9	5	75.0-125			4.75	20

¹Cp

²Tc

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⁹Al

¹⁰Sc

L1869427-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869427-10 06/16/25 03:20 • (MS) R4230824-5 06/16/25 03:29 • (MSD) R4230824-6 06/16/25 03:32

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Zinc	127	ND	151	151	119	119	5	75.0-125			0.263	20



Method Blank (MB)

(MB) R4230417-2 06/14/25 02:11

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		2.00	2.50
(S) a,a,a-Trifluorotoluene(FID)	101			77.0-120

Laboratory Control Sample (LCS)

(LCS) R4230417-1 06/14/25 01:04

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	5.61	112	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			106	77.0-120	

L1869413-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869413-15 06/14/25 06:55 • (MS) R4230417-3 06/14/25 11:23 • (MSD) R4230417-4 06/14/25 11:45

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	161	ND	194	194	121	121	25	10.0-151			0.000	28
(S) a,a,a-Trifluorotoluene(FID)					106	106		77.0-120				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4230610-2 06/13/25 17:49

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		2.00	2.50
(S) a,a,a-Trifluorotoluene(FID)	98.6			77.0-120

Laboratory Control Sample (LCS)

(LCS) R4230610-1 06/13/25 16:51

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	4.87	97.4	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			110	77.0-120	

L1869427-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869427-10 06/13/25 21:40 • (MS) R4230610-3 06/14/25 03:24 • (MSD) R4230610-4 06/14/25 03:43

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	193	ND	180	193	93.6	100	25	10.0-151			6.61	28
(S) a,a,a-Trifluorotoluene(FID)					106	109		77.0-120				

¹Cp

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⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4230443-3 06/13/25 21:43

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.00100	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	0.00263	U	0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.0100	0.0100
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

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⁷Qc

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⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4230443-3 06/13/25 21:43

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.0100	0.0100
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,2,4-Trimethylbenzene	U		0.00500	0.00500
1,3,5-Trimethylbenzene	U		0.00500	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.100	0.100
(S) Toluene-d8	98.9			75.0-131
(S) 4-Bromofluorobenzene	98.5			67.0-138
(S) 1,2-Dichloroethane-d4	100			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

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¹⁰Sc

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

(LCS) R4230443-1 06/13/25 20:03 • (LCSD) R4230443-2 06/13/25 20:23

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 %
Acetone	0.625	0.451	0.429	72.2	68.6	10.0-160			5.00	31
Acrylonitrile	0.625	0.665	0.643	106	103	45.0-153			3.36	22
Benzene	0.125	0.125	0.122	100	97.6	70.0-123			2.43	20
Bromobenzene	0.125	0.118	0.117	94.4	93.6	73.0-121			0.851	20
Bromodichloromethane	0.125	0.126	0.123	101	98.4	73.0-121			2.41	20
Bromoform	0.125	0.114	0.113	91.2	90.4	64.0-132			0.881	20

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

(LCS) R4230443-1 06/13/25 20:03 • (LCSD) R4230443-2 06/13/25 20:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Bromomethane	0.125	0.0887	0.0855	71.0	68.4	56.0-147			3.67	20
n-Butylbenzene	0.125	0.121	0.117	96.8	93.6	68.0-135			3.36	20
sec-Butylbenzene	0.125	0.127	0.127	102	102	74.0-130			0.000	20
tert-Butylbenzene	0.125	0.124	0.124	99.2	99.2	75.0-127			0.000	20
Carbon tetrachloride	0.125	0.150	0.148	120	118	66.0-128			1.34	20
Chlorobenzene	0.125	0.119	0.117	95.2	93.6	76.0-128			1.69	20
Chlorodibromomethane	0.125	0.121	0.116	96.8	92.8	74.0-127			4.22	20
Chloroethane	0.125	0.113	0.107	90.4	85.6	61.0-134			5.45	20
Chloroform	0.125	0.119	0.114	95.2	91.2	72.0-123			4.29	20
Chloromethane	0.125	0.105	0.102	84.0	81.6	51.0-138			2.90	20
2-Chlorotoluene	0.125	0.124	0.124	99.2	99.2	75.0-124			0.000	20
4-Chlorotoluene	0.125	0.124	0.125	99.2	100	75.0-124			0.803	20
1,2-Dibromo-3-Chloropropane	0.125	0.108	0.110	86.4	88.0	59.0-130			1.83	20
1,2-Dibromoethane	0.125	0.124	0.120	99.2	96.0	74.0-128			3.28	20
Dibromomethane	0.125	0.128	0.125	102	100	75.0-122			2.37	20
1,2-Dichlorobenzene	0.125	0.123	0.121	98.4	96.8	76.0-124			1.64	20
1,3-Dichlorobenzene	0.125	0.121	0.119	96.8	95.2	76.0-125			1.67	20
1,4-Dichlorobenzene	0.125	0.118	0.115	94.4	92.0	77.0-121			2.58	20
Dichlorodifluoromethane	0.125	0.107	0.103	85.6	82.4	43.0-156			3.81	20
1,1-Dichloroethane	0.125	0.130	0.127	104	102	70.0-127			2.33	20
1,2-Dichloroethane	0.125	0.124	0.116	99.2	92.8	65.0-131			6.67	20
1,1-Dichloroethene	0.125	0.126	0.124	101	99.2	65.0-131			1.60	20
cis-1,2-Dichloroethene	0.125	0.124	0.118	99.2	94.4	73.0-125			4.96	20
trans-1,2-Dichloroethene	0.125	0.126	0.120	101	96.0	71.0-125			4.88	20
1,2-Dichloropropane	0.125	0.129	0.123	103	98.4	74.0-125			4.76	20
1,1-Dichloropropene	0.125	0.134	0.130	107	104	73.0-125			3.03	20
1,3-Dichloropropane	0.125	0.126	0.124	101	99.2	80.0-125			1.60	20
cis-1,3-Dichloropropene	0.125	0.128	0.125	102	100	76.0-127			2.37	20
trans-1,3-Dichloropropene	0.125	0.125	0.122	100	97.6	73.0-127			2.43	20
2,2-Dichloropropane	0.125	0.120	0.116	96.0	92.8	59.0-135			3.39	20
Di-isopropyl ether	0.125	0.127	0.128	102	102	60.0-136			0.784	20
Ethylbenzene	0.125	0.125	0.125	100	100	74.0-126			0.000	20
Hexachloro-1,3-butadiene	0.125	0.113	0.119	90.4	95.2	57.0-150			5.17	20
Isopropylbenzene	0.125	0.126	0.124	101	99.2	72.0-127			1.60	20
p-Isopropyltoluene	0.125	0.127	0.127	102	102	72.0-133			0.000	20
2-Butanone (MEK)	0.625	0.685	0.585	110	93.6	30.0-160			15.7	24
Methylene Chloride	0.125	0.126	0.126	101	101	68.0-123			0.000	20
4-Methyl-2-pentanone (MIBK)	0.625	0.628	0.624	100	99.8	56.0-143			0.639	20
Methyl tert-butyl ether	0.125	0.133	0.127	106	102	66.0-132			4.62	20
n-Propylbenzene	0.125	0.124	0.123	99.2	98.4	74.0-126			0.810	20

¹Cp

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

(LCS) R4230443-1 06/13/25 20:03 • (LCSD) R4230443-2 06/13/25 20:23

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 %
Styrene	0.125	0.134	0.134	107	107	72.0-127			0.000	20
1,1,1,2-Tetrachloroethane	0.125	0.128	0.124	102	99.2	74.0-129			3.17	20
1,1,2,2-Tetrachloroethane	0.125	0.112	0.109	89.6	87.2	68.0-128			2.71	20
1,1,2-Trichlorotrifluoroethane	0.125	0.129	0.125	103	100	61.0-139			3.15	20
Tetrachloroethene	0.125	0.124	0.122	99.2	97.6	70.0-136			1.63	20
Toluene	0.125	0.120	0.118	96.0	94.4	75.0-121			1.68	20
1,2,3-Trichlorobenzene	0.125	0.110	0.118	88.0	94.4	59.0-139			7.02	20
1,2,4-Trichlorobenzene	0.125	0.113	0.117	90.4	93.6	62.0-137			3.48	20
1,1,1-Trichloroethane	0.125	0.130	0.124	104	99.2	69.0-126			4.72	20
1,1,2-Trichloroethane	0.125	0.122	0.120	97.6	96.0	78.0-123			1.65	20
Trichloroethene	0.125	0.133	0.130	106	104	76.0-126			2.28	20
Trichlorofluoromethane	0.125	0.116	0.111	92.8	88.8	61.0-142			4.41	20
1,2,3-Trichloropropane	0.125	0.122	0.123	97.6	98.4	67.0-129			0.816	20
1,2,3-Trimethylbenzene	0.125	0.126	0.124	101	99.2	74.0-124			1.60	20
1,2,4-Trimethylbenzene	0.125	0.124	0.126	99.2	101	70.0-126			1.60	20
1,3,5-Trimethylbenzene	0.125	0.128	0.126	102	101	73.0-127			1.57	20
Vinyl chloride	0.125	0.115	0.111	92.0	88.8	63.0-134			3.54	20
Xylenes, Total	0.375	0.370	0.374	98.7	99.7	72.0-127			1.08	20
(S) Toluene-d8				99.5	96.3	75.0-131				
(S) 4-Bromofluorobenzene				100	99.7	67.0-138				
(S) 1,2-Dichloroethane-d4				106	102	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

L1869427-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869427-10 06/14/25 01:10 • (MS) R4230443-4 06/14/25 09:14 • (MSD) R4230443-5 06/14/25 09:34

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.963	ND	0.968	1.11	100	115	1	10.0-160			13.5	40
Acrylonitrile	0.963	ND	1.10	1.18	114	122	1	10.0-160			7.32	40
Benzene	0.193	ND	0.193	0.194	100	101	1	10.0-149			0.797	37
Bromobenzene	0.193	ND	0.185	0.188	96.0	97.6	1	10.0-156			1.65	38
Bromodichloromethane	0.193	ND	0.183	0.196	95.2	102	1	10.0-143			6.50	37
Bromoform	0.193	ND	0.163	0.177	84.8	92.0	1	10.0-146			8.14	36
Bromomethane	0.193	ND	0.0649	0.0634	31.7	30.9	1	10.0-149			2.40	38
n-Butylbenzene	0.193	ND	0.199	0.208	103	108	1	10.0-160			4.55	40
sec-Butylbenzene	0.193	ND	0.210	0.214	109	111	1	10.0-159			2.18	39
tert-Butylbenzene	0.193	ND	0.205	0.211	106	110	1	10.0-156			2.96	39
Carbon tetrachloride	0.193	ND	0.225	0.191	117	99.2	1	10.0-145			16.3	37
Chlorobenzene	0.193	ND	0.183	0.187	95.2	96.8	1	10.0-152			1.67	39

L1869427-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869427-10 06/14/25 01:10 • (MS) R4230443-4 06/14/25 09:14 • (MSD) R4230443-5 06/14/25 09:34

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chlorodibromomethane	0.193	ND	0.171	0.179	88.8	92.8	1	10.0-146			4.41	37
Chloroethane	0.193	ND	0.0587	0.0700	30.5	36.3	1	10.0-146			17.5	40
Chloroform	0.193	ND	0.182	0.180	94.4	93.6	1	10.0-146			0.851	37
Chloromethane	0.193	ND	0.199	0.190	103	98.4	1	10.0-159			4.76	37
2-Chlorotoluene	0.193	ND	0.199	0.202	103	105	1	10.0-159			1.54	38
4-Chlorotoluene	0.193	ND	0.202	0.211	105	110	1	10.0-155			4.48	39
1,2-Dibromo-3-Chloropropane	0.193	ND	0.173	0.187	89.6	96.8	1	10.0-151			7.73	39
1,2-Dibromoethane	0.193	ND	0.188	0.188	97.6	97.6	1	10.0-148			0.000	34
Dibromomethane	0.193	ND	0.196	0.211	102	110	1	10.0-147			7.58	35
1,2-Dichlorobenzene	0.193	ND	0.196	0.205	102	106	1	10.0-155			4.62	37
1,3-Dichlorobenzene	0.193	ND	0.199	0.203	103	106	1	10.0-153			2.30	38
1,4-Dichlorobenzene	0.193	ND	0.191	0.200	99.2	104	1	10.0-151			4.72	38
Dichlorodifluoromethane	0.193	ND	0.233	0.231	121	120	1	10.0-160			0.664	35
1,1-Dichloroethane	0.193	ND	0.203	0.205	106	106	1	10.0-147			0.755	37
1,2-Dichloroethane	0.193	ND	0.183	0.199	95.2	103	1	10.0-148			8.06	35
1,1-Dichloroethene	0.193	ND	0.200	0.202	104	105	1	10.0-155			0.766	37
cis-1,2-Dichloroethene	0.193	ND	0.193	0.196	100	102	1	10.0-149			1.59	37
trans-1,2-Dichloroethene	0.193	ND	0.193	0.193	100	100	1	10.0-150			0.000	37
1,2-Dichloropropane	0.193	ND	0.197	0.205	102	106	1	10.0-148			3.83	37
1,1-Dichloropropene	0.193	ND	0.216	0.217	112	113	1	10.0-153			0.712	35
1,3-Dichloropropane	0.193	ND	0.196	0.199	102	103	1	10.0-154			1.56	35
cis-1,3-Dichloropropene	0.193	ND	0.191	0.200	99.2	104	1	10.0-151			4.72	37
trans-1,3-Dichloropropene	0.193	ND	0.190	0.193	98.4	100	1	10.0-148			1.61	37
2,2-Dichloropropane	0.193	ND	0.183	0.180	95.2	93.6	1	10.0-138			1.69	36
Di-isopropyl ether	0.193	ND	0.207	0.211	107	110	1	10.0-147			2.21	36
Ethylbenzene	0.193	ND	0.200	0.203	104	106	1	10.0-160			1.53	38
Hexachloro-1,3-butadiene	0.193	ND	0.194	0.211	101	110	1	10.0-160			8.37	40
Isopropylbenzene	0.193	ND	0.205	0.210	106	109	1	10.0-155			2.23	38
p-Isopropyltoluene	0.193	ND	0.211	0.220	110	114	1	10.0-160			4.29	40
2-Butanone (MEK)	0.963	ND	1.31	1.48	136	153	1	10.0-160			11.6	40
Methylene Chloride	0.193	ND	0.193	0.197	100	102	1	10.0-141			2.37	37
4-Methyl-2-pentanone (MIBK)	0.963	ND	0.994	1.10	103	114	1	10.0-160			9.73	35
Methyl tert-butyl ether	0.193	ND	0.213	0.216	110	112	1	11.0-147			1.44	35
n-Propylbenzene	0.193	ND	0.200	0.205	104	106	1	10.0-158			2.28	38
Styrene	0.193	ND	0.208	0.211	108	110	1	10.0-160			1.47	40
1,1,1,2-Tetrachloroethane	0.193	ND	0.191	0.193	99.2	100	1	10.0-149			0.803	39
1,1,2,2-Tetrachloroethane	0.193	ND	0.156	0.170	80.8	88.0	1	10.0-160			8.53	35
1,1,2-Trichlorotrifluoroethane	0.193	ND	0.222	0.225	115	117	1	10.0-160			1.38	36
Tetrachloroethene	0.193	ND	0.191	0.194	99.2	101	1	10.0-156			1.60	39

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

L1869427-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869427-10 06/14/25 01:10 • (MS) R4230443-4 06/14/25 09:14 • (MSD) R4230443-5 06/14/25 09:34

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Toluene	0.193	ND	0.187	0.185	96.8	96.0	1	10.0-156			0.830	38
1,2,3-Trichlorobenzene	0.193	ND	0.188	0.220	97.6	114	1	10.0-160			15.8	40
1,2,4-Trichlorobenzene	0.193	ND	0.199	0.214	103	111	1	10.0-160			7.46	40
1,1,1-Trichloroethane	0.193	ND	0.197	0.197	102	102	1	10.0-144			0.000	35
1,1,2-Trichloroethane	0.193	ND	0.187	0.187	96.8	96.8	1	10.0-160			0.000	35
Trichloroethene	0.193	ND	0.208	0.214	108	111	1	10.0-156			2.92	38
Trichlorofluoromethane	0.193	ND	0.0518	0.0607	26.9	31.5	1	10.0-160			15.9	40
1,2,3-Trichloropropane	0.193	ND	0.187	0.207	96.8	107	1	10.0-156			10.2	35
1,2,3-Trimethylbenzene	0.193	ND	0.211	0.210	110	109	1	10.0-160			0.733	36
1,2,4-Trimethylbenzene	0.193	ND	0.211	0.219	110	114	1	10.0-160			3.58	36
1,3,5-Trimethylbenzene	0.193	ND	0.205	0.213	106	110	1	10.0-160			3.69	38
Vinyl chloride	0.193	ND	0.214	0.207	111	107	1	10.0-160			3.66	37
Xylenes, Total	0.578	ND	0.600	0.595	104	103	1	10.0-160			0.774	38
(S) Toluene-d8					98.4	97.3		75.0-131				
(S) 4-Bromofluorobenzene					101	100		67.0-138				
(S) 1,2-Dichloroethane-d4					103	106		70.0-130				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4230652-3 06/14/25 12:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.00100	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.0100	0.0100
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4230652-3 06/14/25 12:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.0100	0.0100
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,2,4-Trimethylbenzene	U		0.00500	0.00500
1,3,5-Trimethylbenzene	U		0.00500	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.100	0.100
(S) Toluene-d8	97.2			75.0-131
(S) 4-Bromofluorobenzene	93.1			67.0-138
(S) 1,2-Dichloroethane-d4	106			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4230652-1 06/14/25 10:44 • (LCSD) R4230652-2 06/14/25 11:04

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 %
Acetone	0.625	0.685	0.717	110	115	10.0-160			4.56	31
Acrylonitrile	0.625	0.749	0.729	120	117	45.0-153			2.71	22
Benzene	0.125	0.113	0.112	90.4	89.6	70.0-123			0.889	20
Bromobenzene	0.125	0.123	0.120	98.4	96.0	73.0-121			2.47	20
Bromodichloromethane	0.125	0.132	0.134	106	107	73.0-121			1.50	20
Bromoform	0.125	0.115	0.112	92.0	89.6	64.0-132			2.64	20

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

(LCS) R4230652-1 06/14/25 10:44 • (LCSD) R4230652-2 06/14/25 11:04

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Bromomethane	0.125	0.0843	0.0924	67.4	73.9	56.0-147			9.17	20
n-Butylbenzene	0.125	0.115	0.114	92.0	91.2	68.0-135			0.873	20
sec-Butylbenzene	0.125	0.112	0.111	89.6	88.8	74.0-130			0.897	20
tert-Butylbenzene	0.125	0.129	0.113	103	90.4	75.0-127			13.2	20
Carbon tetrachloride	0.125	0.119	0.115	95.2	92.0	66.0-128			3.42	20
Chlorobenzene	0.125	0.114	0.115	91.2	92.0	76.0-128			0.873	20
Chlorodibromomethane	0.125	0.115	0.116	92.0	92.8	74.0-127			0.866	20
Chloroethane	0.125	0.129	0.109	103	87.2	61.0-134			16.8	20
Chloroform	0.125	0.117	0.115	93.6	92.0	72.0-123			1.72	20
Chloromethane	0.125	0.101	0.112	80.8	89.6	51.0-138			10.3	20
2-Chlorotoluene	0.125	0.119	0.125	95.2	100	75.0-124			4.92	20
4-Chlorotoluene	0.125	0.105	0.109	84.0	87.2	75.0-124			3.74	20
1,2-Dibromo-3-Chloropropane	0.125	0.136	0.127	109	102	59.0-130			6.84	20
1,2-Dibromoethane	0.125	0.128	0.127	102	102	74.0-128			0.784	20
Dibromomethane	0.125	0.138	0.135	110	108	75.0-122			2.20	20
1,2-Dichlorobenzene	0.125	0.123	0.121	98.4	96.8	76.0-124			1.64	20
1,3-Dichlorobenzene	0.125	0.117	0.116	93.6	92.8	76.0-125			0.858	20
1,4-Dichlorobenzene	0.125	0.119	0.118	95.2	94.4	77.0-121			0.844	20
Dichlorodifluoromethane	0.125	0.118	0.120	94.4	96.0	43.0-156			1.68	20
1,1-Dichloroethane	0.125	0.122	0.122	97.6	97.6	70.0-127			0.000	20
1,2-Dichloroethane	0.125	0.127	0.125	102	100	65.0-131			1.59	20
1,1-Dichloroethene	0.125	0.111	0.116	88.8	92.8	65.0-131			4.41	20
cis-1,2-Dichloroethene	0.125	0.106	0.107	84.8	85.6	73.0-125			0.939	20
trans-1,2-Dichloroethene	0.125	0.112	0.112	89.6	89.6	71.0-125			0.000	20
1,2-Dichloropropane	0.125	0.132	0.128	106	102	74.0-125			3.08	20
1,1-Dichloropropene	0.125	0.119	0.120	95.2	96.0	73.0-125			0.837	20
1,3-Dichloropropane	0.125	0.135	0.131	108	105	80.0-125			3.01	20
cis-1,3-Dichloropropene	0.125	0.134	0.134	107	107	76.0-127			0.000	20
trans-1,3-Dichloropropene	0.125	0.124	0.123	99.2	98.4	73.0-127			0.810	20
2,2-Dichloropropane	0.125	0.107	0.105	85.6	84.0	59.0-135			1.89	20
Di-isopropyl ether	0.125	0.132	0.135	106	108	60.0-136			2.25	20
Ethylbenzene	0.125	0.103	0.102	82.4	81.6	74.0-126			0.976	20
Hexachloro-1,3-butadiene	0.125	0.0930	0.0939	74.4	75.1	57.0-150			0.963	20
Isopropylbenzene	0.125	0.104	0.106	83.2	84.8	72.0-127			1.90	20
p-Isopropyltoluene	0.125	0.112	0.112	89.6	89.6	72.0-133			0.000	20
2-Butanone (MEK)	0.625	1.04	1.03	166	165	30.0-160	J4	J4	0.966	24
Methylene Chloride	0.125	0.112	0.115	89.6	92.0	68.0-123			2.64	20
4-Methyl-2-pentanone (MIBK)	0.625	0.804	0.800	129	128	56.0-143			0.499	20
Methyl tert-butyl ether	0.125	0.141	0.143	113	114	66.0-132			1.41	20
n-Propylbenzene	0.125	0.116	0.116	92.8	92.8	74.0-126			0.000	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4230652-1 06/14/25 10:44 • (LCSD) R4230652-2 06/14/25 11:04

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Styrene	0.125	0.113	0.115	90.4	92.0	72.0-127			1.75	20
1,1,1,2-Tetrachloroethane	0.125	0.111	0.113	88.8	90.4	74.0-129			1.79	20
1,1,2,2-Tetrachloroethane	0.125	0.148	0.144	118	115	68.0-128			2.74	20
1,1,2-Trichlorotrifluoroethane	0.125	0.111	0.109	88.8	87.2	61.0-139			1.82	20
Tetrachloroethene	0.125	0.0986	0.102	78.9	81.6	70.0-136			3.39	20
Toluene	0.125	0.110	0.110	88.0	88.0	75.0-121			0.000	20
1,2,3-Trichlorobenzene	0.125	0.0965	0.101	77.2	80.8	59.0-139			4.56	20
1,2,4-Trichlorobenzene	0.125	0.100	0.102	80.0	81.6	62.0-137			1.98	20
1,1,1-Trichloroethane	0.125	0.132	0.130	106	104	69.0-126			1.53	20
1,1,2-Trichloroethane	0.125	0.134	0.129	107	103	78.0-123			3.80	20
Trichloroethene	0.125	0.112	0.110	89.6	88.0	76.0-126			1.80	20
Trichlorofluoromethane	0.125	0.119	0.115	95.2	92.0	61.0-142			3.42	20
1,2,3-Trichloropropane	0.125	0.159	0.154	127	123	67.0-129			3.19	20
1,2,3-Trimethylbenzene	0.125	0.118	0.120	94.4	96.0	74.0-124			1.68	20
1,2,4-Trimethylbenzene	0.125	0.119	0.115	95.2	92.0	70.0-126			3.42	20
1,3,5-Trimethylbenzene	0.125	0.121	0.121	96.8	96.8	73.0-127			0.000	20
Vinyl chloride	0.125	0.116	0.113	92.8	90.4	63.0-134			2.62	20
Xylenes, Total	0.375	0.321	0.324	85.6	86.4	72.0-127			0.930	20
(S) Toluene-d8				94.6	93.3	75.0-131				
(S) 4-Bromofluorobenzene				96.6	94.9	67.0-138				
(S) 1,2-Dichloroethane-d4				116	115	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4230436-3 06/13/25 17:38

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Acrolein	U		0.00254	0.0500
Acrylonitrile	U		0.000671	0.0100
Benzene	U		0.0000941	0.00100
Bromobenzene	U		0.000118	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
tert-Butylbenzene	U		0.000127	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
2-Chlorotoluene	U		0.000106	0.00100
4-Chlorotoluene	U		0.000114	0.00100
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500
1,2-Dibromoethane	U		0.000126	0.00100
Dibromomethane	U		0.000122	0.00100
1,2-Dichlorobenzene	U		0.000107	0.00100
1,3-Dichlorobenzene	U		0.000110	0.00100
1,4-Dichlorobenzene	U		0.000120	0.00100
Dichlorodifluoromethane	U		0.000374	0.00500
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
1,1-Dichloropropene	U		0.000142	0.00100
1,3-Dichloropropane	U		0.000110	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
2,2-Dichloropropane	U		0.000161	0.00100
Di-isopropyl ether	U		0.000105	0.00100
Ethylbenzene	U		0.000137	0.00100
Hexachloro-1,3-butadiene	U		0.000337	0.00100

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4230436-3 06/13/25 17:38

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,2,3-Trichlorobenzene	U		0.000230	0.00100
1,2,4-Trichlorobenzene	U		0.000481	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
Trichlorofluoromethane	U		0.000160	0.00500
1,2,3-Trichloropropane	U		0.000237	0.00250
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,2,3-Trimethylbenzene	U		0.000104	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	100			80.0-120
(S) 4-Bromofluorobenzene	98.9			77.0-126
(S) 1,2-Dichloroethane-d4	93.3			70.0-130

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

(LCS) R4230436-1 06/13/25 16:20 • (LCSD) R4230436-2 06/13/25 16:58

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 %
Acetone	0.0250	0.0124	0.0127	49.6	50.8	19.0-160			2.39	27
Acrolein	0.0250	0.0179	0.0167	71.6	66.8	10.0-160			6.94	26
Acrylonitrile	0.0250	0.0213	0.0211	85.2	84.4	55.0-149			0.943	20
Benzene	0.00500	0.00467	0.00438	93.4	87.6	70.0-123			6.41	20

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

(LCS) R4230436-1 06/13/25 16:20 • (LCSD) R4230436-2 06/13/25 16:58

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 %
Bromobenzene	0.00500	0.00470	0.00461	94.0	92.2	73.0-121			1.93	20
Bromodichloromethane	0.00500	0.00477	0.00462	95.4	92.4	75.0-120			3.19	20
Bromoform	0.00500	0.00438	0.00391	87.6	78.2	68.0-132			11.3	20
Bromomethane	0.00500	0.00401	0.00405	80.2	81.0	10.0-160			0.993	25
n-Butylbenzene	0.00500	0.00471	0.00463	94.2	92.6	73.0-125			1.71	20
sec-Butylbenzene	0.00500	0.00478	0.00476	95.6	95.2	75.0-125			0.419	20
tert-Butylbenzene	0.00500	0.00471	0.00474	94.2	94.8	76.0-124			0.635	20
Carbon tetrachloride	0.00500	0.00459	0.00470	91.8	94.0	68.0-126			2.37	20
Chlorobenzene	0.00500	0.00479	0.00461	95.8	92.2	80.0-121			3.83	20
Chlorodibromomethane	0.00500	0.00456	0.00417	91.2	83.4	77.0-125			8.93	20
Chloroethane	0.00500	0.00482	0.00496	96.4	99.2	47.0-150			2.86	20
Chloroform	0.00500	0.00487	0.00487	97.4	97.4	73.0-120			0.000	20
Chloromethane	0.00500	0.00371	0.00401	74.2	80.2	41.0-142			7.77	20
2-Chlorotoluene	0.00500	0.00473	0.00466	94.6	93.2	76.0-123			1.49	20
4-Chlorotoluene	0.00500	0.00470	0.00468	94.0	93.6	75.0-122			0.426	20
1,2-Dibromo-3-Chloropropane	0.00500	0.00418	0.00416	83.6	83.2	58.0-134			0.480	20
1,2-Dibromoethane	0.00500	0.00450	0.00412	90.0	82.4	80.0-122			8.82	20
Dibromomethane	0.00500	0.00489	0.00490	97.8	98.0	80.0-120			0.204	20
1,2-Dichlorobenzene	0.00500	0.00476	0.00460	95.2	92.0	79.0-121			3.42	20
1,3-Dichlorobenzene	0.00500	0.00481	0.00470	96.2	94.0	79.0-120			2.31	20
1,4-Dichlorobenzene	0.00500	0.00485	0.00480	97.0	96.0	79.0-120			1.04	20
Dichlorodifluoromethane	0.00500	0.00416	0.00412	83.2	82.4	51.0-149			0.966	20
1,1-Dichloroethane	0.00500	0.00480	0.00486	96.0	97.2	70.0-126			1.24	20
1,2-Dichloroethane	0.00500	0.00465	0.00473	93.0	94.6	70.0-128			1.71	20
1,1-Dichloroethene	0.00500	0.00476	0.00500	95.2	100	71.0-124			4.92	20
cis-1,2-Dichloroethene	0.00500	0.00476	0.00469	95.2	93.8	73.0-120			1.48	20
trans-1,2-Dichloroethene	0.00500	0.00470	0.00474	94.0	94.8	73.0-120			0.847	20
1,2-Dichloropropane	0.00500	0.00469	0.00458	93.8	91.6	77.0-125			2.37	20
1,1-Dichloropropene	0.00500	0.00465	0.00446	93.0	89.2	74.0-126			4.17	20
1,3-Dichloropropane	0.00500	0.00449	0.00412	89.8	82.4	80.0-120			8.59	20
cis-1,3-Dichloropropene	0.00500	0.00470	0.00445	94.0	89.0	80.0-123			5.46	20
trans-1,3-Dichloropropene	0.00500	0.00460	0.00414	92.0	82.8	78.0-124			10.5	20
2,2-Dichloropropane	0.00500	0.00503	0.00477	101	95.4	58.0-130			5.31	20
Di-isopropyl ether	0.00500	0.00442	0.00451	88.4	90.2	58.0-138			2.02	20
Ethylbenzene	0.00500	0.00467	0.00469	93.4	93.8	79.0-123			0.427	20
Hexachloro-1,3-butadiene	0.00500	0.00494	0.00489	98.8	97.8	54.0-138			1.02	20
Isopropylbenzene	0.00500	0.00478	0.00464	95.6	92.8	76.0-127			2.97	20
p-Isopropyltoluene	0.00500	0.00487	0.00484	97.4	96.8	76.0-125			0.618	20
2-Butanone (MEK)	0.0250	0.0174	0.0172	69.6	68.8	44.0-160			1.16	20
Methylene Chloride	0.00500	0.00485	0.00486	97.0	97.2	67.0-120			0.206	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4230436-1 06/13/25 16:20 • (LCSD) R4230436-2 06/13/25 16:58

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 %
4-Methyl-2-pentanone (MIBK)	0.0250	0.0190	0.0194	76.0	77.6	68.0-142			2.08	20
Methyl tert-butyl ether	0.00500	0.00410	0.00407	82.0	81.4	68.0-125			0.734	20
Naphthalene	0.00500	0.00441	0.00439	88.2	87.8	54.0-135			0.455	20
n-Propylbenzene	0.00500	0.00469	0.00470	93.8	94.0	77.0-124			0.213	20
Styrene	0.00500	0.00480	0.00475	96.0	95.0	73.0-130			1.05	20
1,1,1,2-Tetrachloroethane	0.00500	0.00461	0.00413	92.2	82.6	75.0-125			11.0	20
1,1,2,2-Tetrachloroethane	0.00500	0.00437	0.00424	87.4	84.8	65.0-130			3.02	20
1,1,2-Trichlorotrifluoroethane	0.00500	0.00472	0.00446	94.4	89.2	69.0-132			5.66	20
Tetrachloroethene	0.00500	0.00468	0.00451	93.6	90.2	72.0-132			3.70	20
Toluene	0.00500	0.00472	0.00448	94.4	89.6	79.0-120			5.22	20
1,2,3-Trichlorobenzene	0.00500	0.00479	0.00497	95.8	99.4	50.0-138			3.69	20
1,2,4-Trichlorobenzene	0.00500	0.00467	0.00470	93.4	94.0	57.0-137			0.640	20
1,1,1-Trichloroethane	0.00500	0.00473	0.00459	94.6	91.8	73.0-124			3.00	20
1,1,2-Trichloroethane	0.00500	0.00436	0.00405	87.2	81.0	80.0-120			7.37	20
Trichloroethene	0.00500	0.00468	0.00455	93.6	91.0	78.0-124			2.82	20
Trichlorofluoromethane	0.00500	0.00477	0.00478	95.4	95.6	59.0-147			0.209	20
1,2,3-Trichloropropane	0.00500	0.00415	0.00476	83.0	95.2	73.0-130			13.7	20
1,2,4-Trimethylbenzene	0.00500	0.00476	0.00469	95.2	93.8	76.0-121			1.48	20
1,2,3-Trimethylbenzene	0.00500	0.00475	0.00468	95.0	93.6	77.0-120			1.48	20
1,3,5-Trimethylbenzene	0.00500	0.00486	0.00467	97.2	93.4	76.0-122			3.99	20
Vinyl chloride	0.00500	0.00478	0.00496	95.6	99.2	67.0-131			3.70	20
Xylenes, Total	0.0150	0.0144	0.0143	96.0	95.3	79.0-123			0.697	20
(S) Toluene-d8				99.0	99.4	80.0-120				
(S) 4-Bromofluorobenzene				98.4	97.8	77.0-126				
(S) 1,2-Dichloroethane-d4				95.7	97.4	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4231410-1 06/17/25 00:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	0.357	J	0.274	4.00
(S) o-Terphenyl	64.9			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4231410-2 06/17/25 00:34

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	30.4	60.8	50.0-150	
(S) o-Terphenyl			56.2	18.0-148	

L1869427-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869427-10 06/17/25 00:59 • (MS) R4231410-3 06/17/25 01:12 • (MSD) R4231410-4 06/17/25 01:25

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	60.2	9.59	38.2	38.4	47.6	47.5	1	50.0-150	J6	J6	0.332	20
(S) o-Terphenyl					39.6	40.9		18.0-148				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4231442-1 06/16/25 17:30

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	U		0.274	4.00
(S) o-Terphenyl	65.0			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4231442-2 06/16/25 17:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	40.1	80.2	50.0-150	
(S) o-Terphenyl			77.9	18.0-148	

L1869433-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869433-10 06/16/25 17:30 • (MS) R4231442-3 06/16/25 17:44 • (MSD) R4231442-4 06/16/25 17:59

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	52.4	ND	47.3	43.1	83.5	75.5	1	50.0-150			9.25	20
(S) o-Terphenyl					66.9	65.2		18.0-148				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4231861-2 06/17/25 10:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthylene	U		0.00567	0.0333
Benzidine	U		0.999	1.67
Benzo(g,h,i)perylene	U		0.00644	0.0333
Bis(2-chlorethoxy)methane	U		0.0361	0.333
Bis(2-chloroethyl)ether	U		0.0629	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0326	0.333
4-Bromophenyl-phenylether	U		0.0475	0.333
2-Chloronaphthalene	U		0.00496	0.0333
4-Chlorophenyl-phenylether	U		0.0475	0.333
1,2-Dichlorobenzene	U		0.0286	0.333
1,3-Dichlorobenzene	U		0.0290	0.333
1,4-Dichlorobenzene	U		0.0286	0.333
3,3-Dichlorobenzidine	U		0.127	0.333
2,4-Dinitrotoluene	U		0.0660	0.333
2,6-Dinitrotoluene	U		0.0628	0.333
Hexachlorobenzene	U		0.0544	0.333
Hexachloro-1,3-butadiene	U		0.0528	0.333
Hexachlorocyclopentadiene	U		0.102	0.333
Hexachloroethane	U		0.0410	0.333
Isophorone	U		0.0419	0.333
Nitrobenzene	U		0.0450	0.333
n-Nitrosodimethylamine	U		0.0782	0.333
n-Nitrosodiphenylamine	U		0.0427	0.333
n-Nitrosodi-n-propylamine	U		0.0528	0.333
Phenanthrene	U		0.00366	0.0333
Benzylbutyl phthalate	U		0.0645	0.333
Bis(2-ethylhexyl)phthalate	U		0.0657	0.333
Di-n-butyl phthalate	U		0.0448	0.333
Diethyl phthalate	U		0.0516	0.333
Dimethyl phthalate	U		0.0447	0.333
Di-n-octyl phthalate	U		0.147	0.333
1,2,4-Trichlorobenzene	U		0.0395	0.333
4-Chloro-3-methylphenol	U		0.0520	0.333
2-Chlorophenol	U		0.0346	0.333
2,4-Dichlorophenol	U		0.0439	0.333
2,4-Dimethylphenol	U		0.0691	0.333
4,6-Dinitro-2-methylphenol	U		0.102	0.333
2,4-Dinitrophenol	U		0.127	0.333
2-Nitrophenol	U		0.0494	0.333
4-Nitrophenol	U		0.106	0.333

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4231861-2 06/17/25 10:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Pentachlorophenol	U		0.0623	0.333
Phenol	U		0.0567	0.333
2,4,6-Trichlorophenol	U		0.0796	0.333
(S) 2-Fluorophenol	75.8			12.0-120
(S) Phenol-d5	73.0			10.0-120
(S) Nitrobenzene-d5	72.7			10.0-122
(S) 2-Fluorobiphenyl	77.8			15.0-120
(S) 2,4,6-Tribromophenol	95.9			10.0-127
(S) p-Terphenyl-d14	85.6			10.0-120

Laboratory Control Sample (LCS)

(LCS) R4231861-1 06/17/25 09:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthylene	0.666	0.602	90.4	40.0-120	
Benzidine	1.33	U	0.000	10.0-120	J4
Benzo(g,h,i)perylene	0.666	0.529	79.4	43.0-120	
Bis(2-chlorethoxy)methane	0.666	0.347	52.1	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.745	112	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.368	55.3	23.0-120	
4-Bromophenyl-phenylether	0.666	0.607	91.1	40.0-120	
2-Chloronaphthalene	0.666	0.476	71.5	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.581	87.2	40.0-120	
1,2-Dichlorobenzene	0.666	0.448	67.3	32.0-120	
1,3-Dichlorobenzene	0.666	0.423	63.5	30.0-120	
1,4-Dichlorobenzene	0.666	0.463	69.5	31.0-120	
3,3-Dichlorobenzidine	1.33	1.32	99.2	28.0-120	
2,4-Dinitrotoluene	0.666	0.550	82.6	45.0-120	
2,6-Dinitrotoluene	0.666	0.564	84.7	42.0-120	
Hexachlorobenzene	0.666	0.593	89.0	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.415	62.3	15.0-120	
Hexachlorocyclopentadiene	0.666	0.300	45.0	15.0-120	
Hexachloroethane	0.666	0.446	67.0	17.0-120	
Isophorone	0.666	0.375	56.3	23.0-120	
Nitrobenzene	0.666	0.322	48.3	17.0-120	
n-Nitrosodimethylamine	0.666	0.363	54.5	10.0-125	
n-Nitrosodiphenylamine	0.666	0.528	79.3	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.468	70.3	26.0-120	

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Laboratory Control Sample (LCS)

(LCS) R4231861-1 06/17/25 09:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Phenanthrene	0.666	0.505	75.8	42.0-120	
Benzylbutyl phthalate	0.666	0.568	85.3	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.565	84.8	41.0-120	
Di-n-butyl phthalate	0.666	0.534	80.2	43.0-120	
Diethyl phthalate	0.666	0.585	87.8	43.0-120	
Dimethyl phthalate	0.666	0.563	84.5	43.0-120	
Di-n-octyl phthalate	0.666	0.561	84.2	40.0-120	
1,2,4-Trichlorobenzene	0.666	0.407	61.1	17.0-120	
4-Chloro-3-methylphenol	0.666	0.368	55.3	28.0-120	
2-Chlorophenol	0.666	0.431	64.7	28.0-120	
2,4-Dichlorophenol	0.666	0.441	66.2	25.0-120	
2,4-Dimethylphenol	0.666	0.349	52.4	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.394	59.2	16.0-120	
2,4-Dinitrophenol	0.666	0.298	44.7	10.0-120	
2-Nitrophenol	0.666	0.437	65.6	20.0-120	
4-Nitrophenol	0.666	0.473	71.0	27.0-120	
Pentachlorophenol	0.666	0.394	59.2	29.0-120	
Phenol	0.666	0.441	66.2	28.0-120	
2,4,6-Trichlorophenol	0.666	0.511	76.7	37.0-120	
(S) 2-Fluorophenol			74.5	12.0-120	
(S) Phenol-d5			73.0	10.0-120	
(S) Nitrobenzene-d5			58.3	10.0-122	
(S) 2-Fluorobiphenyl			79.3	15.0-120	
(S) 2,4,6-Tribromophenol			116	10.0-127	
(S) p-Terphenyl-d14			82.3	10.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

L1869413-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869413-15 06/17/25 14:41 • (MS) R4231861-3 06/17/25 15:02 • (MSD) R4231861-4 06/17/25 15:24

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Acenaphthylene	0.745	ND	0.605	0.131	81.1	18.0	2	25.0-120		J3 J6	129	32
Benzidine	1.30	ND	ND	ND	0.000	0.000	2	10.0-120	J6	J6	0.000	40
Benzo(g,h,i)perylene	0.745	ND	0.466	0.0998	62.6	13.6	2	10.0-120		J3	129	33
Bis(2-chlorethoxy)methane	0.745	ND	ND	ND	56.6	13.7	2	10.0-120		J3	123	34
Bis(2-chloroethyl)ether	0.745	ND	ND	ND	91.4	23.9	2	10.0-120		J3	118	40
2,2-Oxybis(1-Chloropropane)	0.745	ND	ND	ND	52.8	13.2	2	10.0-120		J3	121	40
4-Bromophenyl-phenylether	0.745	ND	ND	ND	84.0	19.2	2	27.0-120		J3 J6	127	30
2-Chloronaphthalene	0.745	ND	0.501	0.108	67.2	14.7	2	20.0-120		J3 J6	129	32

L1869413-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869413-15 06/17/25 14:41 • (MS) R4231861-3 06/17/25 15:02 • (MSD) R4231861-4 06/17/25 15:24

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
4-Chlorophenyl-phenylether	0.745	ND	ND	ND	80.2	17.0	2	24.0-120		J3 J6	131	29
1,2-Dichlorobenzene	0.745	ND	ND	ND	62.0	15.6	2	10.0-120		J3	121	38
1,3-Dichlorobenzene	0.745	ND	ND	ND	59.7	15.1	2	10.0-120		J3	120	40
1,4-Dichlorobenzene	0.745	ND	ND	ND	63.0	15.8	2	10.0-120		J3	121	39
3,3-Dichlorobenzidine	1.49	ND	0.992	ND	66.8	0.000	2	10.0-120		J3 J6	200	34
2,4-Dinitrotoluene	0.745	ND	ND	ND	66.3	0.000	2	30.0-120		J3 J6	200	31
2,6-Dinitrotoluene	0.745	ND	ND	ND	71.5	0.000	2	25.0-120		J3 J6	200	31
Hexachlorobenzene	0.745	ND	ND	ND	81.7	18.9	2	27.0-120		J3 J6	126	28
Hexachloro-1,3-butadiene	0.745	ND	ND	ND	64.9	0.000	2	10.0-120		J3 J6	200	38
Hexachlorocyclopentadiene	0.745	ND	ND	ND	0.000	0.000	2	10.0-120	J6	J6	0.000	40
Hexachloroethane	0.745	ND	ND	ND	48.6	0.000	2	10.0-120		J3 J6	200	40
Isophorone	0.745	ND	ND	ND	59.2	14.2	2	13.0-120		J3	124	34
Nitrobenzene	0.745	ND	ND	ND	51.7	0.000	2	10.0-120		J3 J6	200	36
n-Nitrosodimethylamine	0.745	ND	ND	ND	48.5	0.000	2	10.0-127		J3 J6	200	40
n-Nitrosodiphenylamine	0.745	ND	ND	ND	71.0	15.8	2	17.0-120		J3 J6	128	29
n-Nitrosodi-n-propylamine	0.745	ND	ND	ND	64.6	0.000	2	10.0-120		J3 J6	200	37
Phenanthrene	0.745	ND	0.525	0.114	70.4	15.6	2	17.0-120		J3 J6	129	31
Benzylbutyl phthalate	0.745	ND	ND	ND	79.3	0.000	2	23.0-120		J3 J6	200	30
Bis(2-ethylhexyl)phthalate	0.745	ND	ND	ND	75.5	0.000	2	17.0-126		J3 J6	200	30
Di-n-butyl phthalate	0.745	ND	ND	ND	72.2	15.6	2	30.0-120		J3 J6	130	29
Diethyl phthalate	0.745	ND	ND	ND	78.4	16.9	2	26.0-120		J3 J6	130	28
Dimethyl phthalate	0.745	ND	ND	ND	76.4	16.7	2	25.0-120		J3 J6	129	29
Di-n-octyl phthalate	0.745	ND	ND	ND	88.3	0.000	2	21.0-123		J3 J6	200	29
1,2,4-Trichlorobenzene	0.745	ND	ND	ND	66.0	16.3	2	12.0-120		J3	122	37
4-Chloro-3-methylphenol	0.745	ND	ND	ND	60.1	0.000	2	15.0-120		J3 J6	200	30
2-Chlorophenol	0.745	ND	ND	ND	61.3	14.7	2	15.0-120		J3 J6	124	37
2,4-Dichlorophenol	0.745	ND	ND	ND	69.5	16.3	2	20.0-120		J3 J6	125	31
2,4-Dimethylphenol	0.745	ND	ND	ND	56.1	0.000	2	10.0-120		J3 J6	200	33
4,6-Dinitro-2-methylphenol	0.745	ND	ND	ND	38.7	0.000	2	10.0-120		J3 J6	200	39
2,4-Dinitrophenol	0.745	ND	ND	ND	0.000	0.000	2	10.0-121	J6	J6	0.000	40
2-Nitrophenol	0.745	ND	ND	ND	63.5	0.000	2	12.0-120		J3 J6	200	39
4-Nitrophenol	0.745	ND	ND	ND	56.6	47.5	2	10.0-137			19.3	32
Pentachlorophenol	0.745	ND	ND	ND	61.0	0.000	2	10.0-160		J3 J6	200	31
Phenol	0.745	ND	ND	ND	60.3	0.000	2	12.0-120		J3 J6	200	38
2,4,6-Trichlorophenol	0.745	ND	ND	ND	70.1	0.000	2	19.0-120		J3 J6	200	32
(S) 2-Fluorophenol					69.1	17.2		12.0-120				
(S) Phenol-d5					65.9	15.6		10.0-120				
(S) Nitrobenzene-d5					62.0	13.9		10.0-122				
(S) 2-Fluorobiphenyl					72.1	15.8		15.0-120				

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

L1869413-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869413-15 06/17/25 14:41 • (MS) R4231861-3 06/17/25 15:02 • (MSD) R4231861-4 06/17/25 15:24

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
(S) 2,4,6-Tribromophenol					102	23.4		10.0-127				
(S) p-Terphenyl-d14					76.7	17.0		10.0-120				

Sample Narrative:

OS: Dilution due to matrix impact during extract concentration procedure.

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4231872-2 06/17/25 11:23

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthylene	U		0.00567	0.0333
Benzidine	U		0.999	1.67
Benzo(g,h,i)perylene	U		0.00644	0.0333
Bis(2-chlorethoxy)methane	U		0.0361	0.333
Bis(2-chloroethyl)ether	U		0.0629	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0326	0.333
4-Bromophenyl-phenylether	U		0.0475	0.333
2-Chloronaphthalene	U		0.00496	0.0333
4-Chlorophenyl-phenylether	U		0.0475	0.333
1,2-Dichlorobenzene	U		0.0286	0.333
1,3-Dichlorobenzene	U		0.0290	0.333
1,4-Dichlorobenzene	U		0.0286	0.333
3,3-Dichlorobenzidine	U		0.127	0.333
2,4-Dinitrotoluene	U		0.0660	0.333
2,6-Dinitrotoluene	U		0.0628	0.333
Hexachlorobenzene	U		0.0544	0.333
Hexachloro-1,3-butadiene	U		0.0528	0.333
Hexachlorocyclopentadiene	U		0.102	0.333
Hexachloroethane	U		0.0410	0.333
Isophorone	U		0.0419	0.333
Nitrobenzene	U		0.0450	0.333
n-Nitrosodimethylamine	U		0.0782	0.333
n-Nitrosodiphenylamine	U		0.0427	0.333
n-Nitrosodi-n-propylamine	U		0.0528	0.333
Phenanthrene	U		0.00366	0.0333
Benzylbutyl phthalate	U		0.0645	0.333
Bis(2-ethylhexyl)phthalate	U		0.0657	0.333
Di-n-butyl phthalate	U		0.0448	0.333
Diethyl phthalate	U		0.0516	0.333
Dimethyl phthalate	U		0.0447	0.333
Di-n-octyl phthalate	U		0.147	0.333
1,2,4-Trichlorobenzene	U		0.0395	0.333
4-Chloro-3-methylphenol	U		0.0520	0.333
2-Chlorophenol	U		0.0346	0.333
2,4-Dichlorophenol	U		0.0439	0.333
2,4-Dimethylphenol	U		0.0691	0.333
4,6-Dinitro-2-methylphenol	U		0.102	0.333
2,4-Dinitrophenol	U		0.127	0.333
2-Nitrophenol	U		0.0494	0.333
4-Nitrophenol	U		0.106	0.333

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4231872-2 06/17/25 11:23

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Pentachlorophenol	U		0.0623	0.333
Phenol	U		0.0567	0.333
2,4,6-Trichlorophenol	U		0.0796	0.333
(S) 2-Fluorophenol	72.1			12.0-120
(S) Phenol-d5	66.4			10.0-120
(S) Nitrobenzene-d5	84.7			10.0-122
(S) 2-Fluorobiphenyl	71.2			15.0-120
(S) 2,4,6-Tribromophenol	103			10.0-127
(S) p-Terphenyl-d14	87.4			10.0-120

Laboratory Control Sample (LCS)

(LCS) R4231872-1 06/17/25 11:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthylene	0.666	0.556	83.5	40.0-120	
Benzidine	1.33	U	0.000	10.0-120	J4
Benzo(g,h,i)perylene	0.666	0.510	76.6	43.0-120	
Bis(2-chlorethoxy)methane	0.666	0.382	57.4	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.423	63.5	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.396	59.5	23.0-120	
4-Bromophenyl-phenylether	0.666	0.623	93.5	40.0-120	
2-Chloronaphthalene	0.666	0.476	71.5	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.602	90.4	40.0-120	
1,2-Dichlorobenzene	0.666	0.427	64.1	32.0-120	
1,3-Dichlorobenzene	0.666	0.408	61.3	30.0-120	
1,4-Dichlorobenzene	0.666	0.434	65.2	31.0-120	
3,3-Dichlorobenzidine	1.33	1.33	100	28.0-120	
2,4-Dinitrotoluene	0.666	0.637	95.6	45.0-120	
2,6-Dinitrotoluene	0.666	0.592	88.9	42.0-120	
Hexachlorobenzene	0.666	0.574	86.2	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.510	76.6	15.0-120	
Hexachlorocyclopentadiene	0.666	0.367	55.1	15.0-120	
Hexachloroethane	0.666	0.392	58.9	17.0-120	
Isophorone	0.666	0.464	69.7	23.0-120	
Nitrobenzene	0.666	0.461	69.2	17.0-120	
n-Nitrosodimethylamine	0.666	0.482	72.4	10.0-125	
n-Nitrosodiphenylamine	0.666	0.521	78.2	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.503	75.5	26.0-120	

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Laboratory Control Sample (LCS)

(LCS) R4231872-1 06/17/25 11:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Phenanthrene	0.666	0.508	76.3	42.0-120	
Benzylbutyl phthalate	0.666	0.537	80.6	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.528	79.3	41.0-120	
Di-n-butyl phthalate	0.666	0.504	75.7	43.0-120	
Diethyl phthalate	0.666	0.575	86.3	43.0-120	
Dimethyl phthalate	0.666	0.589	88.4	43.0-120	
Di-n-octyl phthalate	0.666	0.537	80.6	40.0-120	
1,2,4-Trichlorobenzene	0.666	0.535	80.3	17.0-120	
4-Chloro-3-methylphenol	0.666	0.463	69.5	28.0-120	
2-Chlorophenol	0.666	0.383	57.5	28.0-120	
2,4-Dichlorophenol	0.666	0.455	68.3	25.0-120	
2,4-Dimethylphenol	0.666	0.406	61.0	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.530	79.6	16.0-120	
2,4-Dinitrophenol	0.666	0.427	64.1	10.0-120	
2-Nitrophenol	0.666	0.457	68.6	20.0-120	
4-Nitrophenol	0.666	0.450	67.6	27.0-120	
Pentachlorophenol	0.666	0.396	59.5	29.0-120	
Phenol	0.666	0.465	69.8	28.0-120	
2,4,6-Trichlorophenol	0.666	0.573	86.0	37.0-120	
(S) 2-Fluorophenol			72.2	12.0-120	
(S) Phenol-d5			66.8	10.0-120	
(S) Nitrobenzene-d5			66.1	10.0-122	
(S) 2-Fluorobiphenyl			78.7	15.0-120	
(S) 2,4,6-Tribromophenol			107	10.0-127	
(S) p-Terphenyl-d14			86.5	10.0-120	

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

L1869427-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869427-10 06/17/25 13:10 • (MS) R4231872-3 06/17/25 13:32 • (MSD) R4231872-4 06/17/25 13:53

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Acenaphthylene	0.816	ND	0.479	0.568	58.7	69.6	2	25.0-120			17.0	32
Benzidine	1.28	ND	ND	ND	0.000	0.000	2	10.0-120	J6	J6	0.000	40
Benzo(g,h,i)perylene	0.816	ND	0.483	0.553	59.2	67.8	2	10.0-120			13.5	33
Bis(2-chlorethoxy)methane	0.816	ND	ND	ND	57.3	63.9	2	10.0-120			10.8	34
Bis(2-chloroethyl)ether	0.816	ND	ND	ND	52.3	65.0	2	10.0-120			21.5	40
2,2-Oxybis(1-Chloropropane)	0.816	ND	ND	ND	41.9	56.2	2	10.0-120			29.2	40
4-Bromophenyl-phenylether	0.816	ND	ND	ND	79.8	89.4	2	27.0-120			11.4	30
2-Chloronaphthalene	0.816	ND	0.433	0.520	53.1	63.7	2	20.0-120			18.1	32

L1869427-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869427-10 06/17/25 13:10 • (MS) R4231872-3 06/17/25 13:32 • (MSD) R4231872-4 06/17/25 13:53

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
4-Chlorophenyl-phenylether	0.816	ND	ND	ND	66.5	84.9	2	24.0-120			24.3	29
1,2-Dichlorobenzene	0.816	ND	ND	ND	47.7	59.2	2	10.0-120			21.6	38
1,3-Dichlorobenzene	0.816	ND	ND	ND	45.3	56.9	2	10.0-120			22.6	40
1,4-Dichlorobenzene	0.816	ND	ND	ND	47.0	58.6	2	10.0-120			21.8	39
3,3-Dichlorobenzidine	1.63	ND	1.09	1.06	67.2	65.3	2	10.0-120			2.83	34
2,4-Dinitrotoluene	0.816	ND	ND	ND	63.4	73.2	2	30.0-120			14.4	31
2,6-Dinitrotoluene	0.816	ND	ND	ND	62.3	66.7	2	25.0-120			6.76	31
Hexachlorobenzene	0.816	ND	ND	ND	66.2	84.3	2	27.0-120			24.0	28
Hexachloro-1,3-butadiene	0.816	ND	ND	ND	77.3	93.5	2	10.0-120			19.0	38
Hexachlorocyclopentadiene	0.816	ND	ND	ND	0.000	0.000	2	10.0-120	J6	J6	0.000	40
Hexachloroethane	0.816	ND	ND	ND	38.5	45.5	2	10.0-120			16.7	40
Isophorone	0.816	ND	ND	ND	63.4	70.1	2	13.0-120			10.0	34
Nitrobenzene	0.816	ND	ND	ND	62.8	0.000	2	10.0-120		J3 J6	200	36
n-Nitrosodimethylamine	0.816	ND	ND	ND	42.5	54.8	2	10.0-127			25.3	40
n-Nitrosodiphenylamine	0.816	ND	ND	ND	63.9	83.3	2	17.0-120			26.5	29
n-Nitrosodi-n-propylamine	0.816	ND	ND	ND	56.2	69.2	2	10.0-120			20.6	37
Phenanthrene	0.816	ND	0.471	0.540	57.8	66.2	2	17.0-120			13.6	31
Benzylbutyl phthalate	0.816	ND	ND	ND	63.9	69.2	2	23.0-120			7.96	30
Bis(2-ethylhexyl)phthalate	0.816	ND	ND	ND	63.6	63.6	2	17.0-126			0.000	30
Di-n-butyl phthalate	0.816	ND	ND	ND	56.7	67.1	2	30.0-120			16.9	29
Diethyl phthalate	0.816	ND	ND	ND	56.1	72.3	2	26.0-120			25.2	28
Dimethyl phthalate	0.816	ND	ND	ND	59.3	70.4	2	25.0-120			17.0	29
Di-n-octyl phthalate	0.816	ND	ND	ND	61.4	68.7	2	21.0-123			11.3	29
1,2,4-Trichlorobenzene	0.816	ND	ND	ND	69.5	86.0	2	12.0-120			21.2	37
4-Chloro-3-methylphenol	0.816	ND	ND	ND	52.5	60.9	2	15.0-120			14.8	30
2-Chlorophenol	0.816	ND	ND	ND	41.4	50.9	2	15.0-120			20.6	37
2,4-Dichlorophenol	0.816	ND	ND	ND	66.8	74.5	2	20.0-120			10.8	31
2,4-Dimethylphenol	0.816	ND	ND	ND	57.5	56.1	2	10.0-120			2.47	33
4,6-Dinitro-2-methylphenol	0.816	ND	ND	ND	57.3	72.7	2	10.0-120			23.7	39
2,4-Dinitrophenol	0.816	ND	ND	ND	47.4	61.1	2	10.0-121			25.3	40
2-Nitrophenol	0.816	ND	ND	ND	60.6	64.8	2	12.0-120			6.71	39
4-Nitrophenol	0.816	ND	ND	ND	40.3	59.2	2	10.0-137		J3	37.9	32
Pentachlorophenol	0.816	ND	ND	ND	47.0	54.8	2	10.0-160			15.3	31
Phenol	0.816	ND	ND	ND	52.5	64.5	2	12.0-120			20.5	38
2,4,6-Trichlorophenol	0.816	ND	ND	ND	62.0	73.2	2	19.0-120			16.6	32
(S) 2-Fluorophenol					57.1	63.0		12.0-120				
(S) Phenol-d5					52.3	58.3		10.0-120				
(S) Nitrobenzene-d5					68.8	69.5		10.0-122				
(S) 2-Fluorobiphenyl					55.5	73.8		15.0-120				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

L1869427-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869427-10 06/17/25 13:10 • (MS) R4231872-3 06/17/25 13:32 • (MSD) R4231872-4 06/17/25 13:53

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) 2,4,6-Tribromophenol					92.5	100		10.0-127				
(S) p-Terphenyl-d14					72.3	81.3		10.0-120				

Sample Narrative:
OS: Dilution due to matrix impact during extract concentration procedure.

1

Cp

2

Tc

3

Ss

4

Cn

5

Ds

6

Sr

7

Qc

8

Gl

9

Al

10

Sc

Method Blank (MB)

(MB) R4231381-2 06/16/25 18:27

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.0330	0.0330
Acenaphthene	U		0.0330	0.0330
Acenaphthylene	U		0.0330	0.0330
Benzo(a)anthracene	U		0.00600	0.00600
Benzo(a)pyrene	U		0.0330	0.0330
Benzo(b)fluoranthene	U		0.0330	0.0330
Benzo(g,h,i)perylene	U		0.0330	0.0330
Benzo(k)fluoranthene	U		0.0330	0.0330
Chrysene	U		0.0330	0.0330
Dibenz(a,h)anthracene	U		0.0330	0.0330
Fluoranthene	U		0.0330	0.0330
Fluorene	U		0.0330	0.0330
Indeno(1,2,3-cd)pyrene	U		0.0330	0.0330
Naphthalene	U		0.00300	0.00300
Phenanthrene	U		0.0330	0.0330
Pyrene	U		0.0330	0.0330
1-Methylnaphthalene	U		0.00300	0.00300
2-Methylnaphthalene	U		0.0120	0.0120
(S) p-Terphenyl-d14	93.4			23.0-120
(S) Nitrobenzene-d5	91.2			14.0-149
(S) 2-Fluorobiphenyl	91.7			34.0-125

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Laboratory Control Sample (LCS)

(LCS) R4231381-1 06/16/25 18:08

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0932	117	50.0-126	
Acenaphthene	0.0800	0.0756	94.5	50.0-120	
Acenaphthylene	0.0800	0.0860	108	50.0-120	
Benzo(a)anthracene	0.0800	0.101	126	45.0-120	J4
Benzo(a)pyrene	0.0800	0.0775	96.9	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0782	97.8	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0907	113	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0822	103	49.0-125	
Chrysene	0.0800	0.0882	110	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.101	126	47.0-125	J4
Fluoranthene	0.0800	0.0948	119	49.0-129	
Fluorene	0.0800	0.0873	109	49.0-120	

Laboratory Control Sample (LCS)

(LCS) R4231381-1 06/16/25 18:08

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Indeno(1,2,3-cd)pyrene	0.0800	0.0975	122	46.0-125	
Naphthalene	0.0800	0.0762	95.3	50.0-120	
Phenanthrene	0.0800	0.0857	107	47.0-120	
Pyrene	0.0800	0.0814	102	43.0-123	
1-Methylnaphthalene	0.0800	0.0824	103	51.0-121	
2-Methylnaphthalene	0.0800	0.0801	100	50.0-120	
(S) p-Terphenyl-d14			99.2	23.0-120	
(S) Nitrobenzene-d5			85.7	14.0-149	
(S) 2-Fluorobiphenyl			94.4	34.0-125	

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4231430-2 06/16/25 22:32

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.0330	0.0330
Acenaphthene	U		0.0330	0.0330
Acenaphthylene	U		0.0330	0.0330
Benzo(a)anthracene	U		0.00600	0.00600
Benzo(a)pyrene	U		0.0330	0.0330
Benzo(b)fluoranthene	U		0.0330	0.0330
Benzo(g,h,i)perylene	U		0.0330	0.0330
Benzo(k)fluoranthene	U		0.0330	0.0330
Chrysene	U		0.0330	0.0330
Dibenz(a,h)anthracene	U		0.0330	0.0330
Fluoranthene	U		0.0330	0.0330
Fluorene	U		0.0330	0.0330
Indeno(1,2,3-cd)pyrene	U		0.0330	0.0330
Naphthalene	U		0.00300	0.00300
Phenanthrene	U		0.0330	0.0330
Pyrene	U		0.0330	0.0330
1-Methylnaphthalene	U		0.00300	0.00300
2-Methylnaphthalene	U		0.0120	0.0120
(S) p-Terphenyl-d14	108			23.0-120
(S) Nitrobenzene-d5	81.9			14.0-149
(S) 2-Fluorobiphenyl	93.9			34.0-125

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Laboratory Control Sample (LCS)

(LCS) R4231430-1 06/16/25 22:13

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0821	103	50.0-126	
Acenaphthene	0.0800	0.0710	88.8	50.0-120	
Acenaphthylene	0.0800	0.0775	96.9	50.0-120	
Benzo(a)anthracene	0.0800	0.0821	103	45.0-120	
Benzo(a)pyrene	0.0800	0.0637	79.6	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0760	95.0	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0723	90.4	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0761	95.1	49.0-125	
Chrysene	0.0800	0.0817	102	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0746	93.3	47.0-125	
Fluoranthene	0.0800	0.0860	108	49.0-129	
Fluorene	0.0800	0.0790	98.8	49.0-120	

Laboratory Control Sample (LCS)

(LCS) R4231430-1 06/16/25 22:13

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Indeno(1,2,3-cd)pyrene	0.0800	0.0726	90.8	46.0-125	
Naphthalene	0.0800	0.0717	89.6	50.0-120	
Phenanthrene	0.0800	0.0794	99.3	47.0-120	
Pyrene	0.0800	0.0793	99.1	43.0-123	
1-Methylnaphthalene	0.0800	0.0759	94.9	51.0-121	
2-Methylnaphthalene	0.0800	0.0741	92.6	50.0-120	
(S) p-Terphenyl-d14			113	23.0-120	
(S) Nitrobenzene-d5			104	14.0-149	
(S) 2-Fluorobiphenyl			110	34.0-125	

L1869413-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869413-15 06/17/25 01:08 • (MS) R4231430-3 06/17/25 01:28 • (MSD) R4231430-4 06/17/25 01:47

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Anthracene	0.0883	ND	0.0855	0.0907	96.9	103	1	10.0-145			5.84	30
Acenaphthene	0.0883	ND	0.0710	0.0759	80.4	86.0	1	14.0-127			6.69	27
Acenaphthylene	0.0883	ND	0.0795	0.0833	90.0	94.4	1	21.0-124			4.78	25
Benzo(a)anthracene	0.0883	0.0191	0.0909	0.108	81.3	100	1	10.0-139			16.8	30
Benzo(a)pyrene	0.0883	ND	0.0787	0.0865	89.1	98.1	1	10.0-141			9.55	31
Benzo(b)fluoranthene	0.0883	ND	0.0811	0.0974	91.8	110	1	10.0-140			18.3	36
Benzo(g,h,i)perylene	0.0883	ND	0.0764	0.0812	86.5	92.0	1	10.0-140			6.10	33
Benzo(k)fluoranthene	0.0883	ND	0.0767	0.0849	86.9	96.2	1	10.0-137			10.2	31
Chrysene	0.0883	0.0478	0.0911	0.106	49.1	66.2	1	10.0-145			15.3	30
Dibenz(a,h)anthracene	0.0883	ND	0.0763	0.0798	86.4	90.4	1	10.0-132			4.54	31
Fluoranthene	0.0883	0.0447	0.0995	0.119	62.0	84.1	1	10.0-153			17.8	33
Fluorene	0.0883	ND	0.0807	0.0862	91.5	97.7	1	11.0-130			6.58	29
Indeno(1,2,3-cd)pyrene	0.0883	ND	0.0787	0.0841	89.1	95.3	1	10.0-137			6.74	32
Naphthalene	0.0883	ND	0.0739	0.0800	83.7	90.7	1	10.0-135			8.02	27
Phenanthrene	0.0883	ND	0.0829	0.0984	93.9	112	1	10.0-144			17.2	31
Pyrene	0.0883	ND	0.0868	0.102	98.3	116	1	10.0-148			16.2	35
1-Methylnaphthalene	0.0883	ND	0.0748	0.0827	84.7	93.7	1	10.0-142			10.0	28
2-Methylnaphthalene	0.0883	ND	0.0741	0.0809	83.9	91.7	1	10.0-137			8.85	28
(S) p-Terphenyl-d14					96.5	0.000		23.0-120		J2		
(S) Nitrobenzene-d5					96.3	0.000		14.0-149		J2		
(S) 2-Fluorobiphenyl					97.3	0.000		34.0-125		J2		

Cp

Tc

Ss

Cn

Ds

Sr

Qc

Gl

Al

Sc

Method Blank (MB)

(MB) R4231226-2 06/16/25 13:24

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.0330	0.0330
Acenaphthene	U		0.0330	0.0330
Acenaphthylene	U		0.0330	0.0330
Benzo(a)anthracene	U		0.00600	0.00600
Benzo(a)pyrene	U		0.0330	0.0330
Benzo(b)fluoranthene	U		0.0330	0.0330
Benzo(g,h,i)perylene	U		0.0330	0.0330
Benzo(k)fluoranthene	U		0.0330	0.0330
Chrysene	U		0.0330	0.0330
Dibenz(a,h)anthracene	U		0.0330	0.0330
Fluoranthene	U		0.0330	0.0330
Fluorene	U		0.0330	0.0330
Indeno(1,2,3-cd)pyrene	U		0.0330	0.0330
Naphthalene	U		0.00300	0.00300
Phenanthrene	U		0.0330	0.0330
Pyrene	U		0.0330	0.0330
1-Methylnaphthalene	U		0.00300	0.00300
2-Methylnaphthalene	U		0.0120	0.0120
(S) p-Terphenyl-d14	97.8			23.0-120
(S) Nitrobenzene-d5	65.3			14.0-149
(S) 2-Fluorobiphenyl	82.5			34.0-125

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Laboratory Control Sample (LCS)

(LCS) R4231226-1 06/16/25 13:05

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0784	98.0	50.0-126	
Acenaphthene	0.0800	0.0743	92.9	50.0-120	
Acenaphthylene	0.0800	0.0740	92.5	50.0-120	
Benzo(a)anthracene	0.0800	0.0840	105	45.0-120	
Benzo(a)pyrene	0.0800	0.0671	83.9	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0822	103	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0790	98.8	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0759	94.9	49.0-125	
Chrysene	0.0800	0.0888	111	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0847	106	47.0-125	
Fluoranthene	0.0800	0.0842	105	49.0-129	
Fluorene	0.0800	0.0861	108	49.0-120	

Laboratory Control Sample (LCS)

(LCS) R4231226-1 06/16/25 13:05

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Indeno(1,2,3-cd)pyrene	0.0800	0.0786	98.2	46.0-125	
Naphthalene	0.0800	0.0748	93.5	50.0-120	
Phenanthrene	0.0800	0.0828	104	47.0-120	
Pyrene	0.0800	0.0812	102	43.0-123	
1-Methylnaphthalene	0.0800	0.0815	102	51.0-121	
2-Methylnaphthalene	0.0800	0.0797	99.6	50.0-120	
(S) p-Terphenyl-d14			98.4	23.0-120	
(S) Nitrobenzene-d5			80.1	14.0-149	
(S) 2-Fluorobiphenyl			89.4	34.0-125	

L1869427-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869427-10 06/16/25 20:58 • (MS) R4231226-3 06/16/25 21:18 • (MSD) R4231226-4 06/16/25 21:38

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Anthracene	0.102	ND	0.0662	0.0605	65.1	59.5	1	10.0-145			9.03	30
Acenaphthene	0.102	ND	0.0832	0.0582	81.9	57.3	1	14.0-127	J3		35.4	27
Acenaphthylene	0.102	ND	0.0588	0.0565	57.9	55.6	1	21.0-124			3.96	25
Benzo(a)anthracene	0.102	ND	0.0626	0.0597	61.6	58.7	1	10.0-139			4.78	30
Benzo(a)pyrene	0.102	ND	0.0565	0.0532	55.6	52.4	1	10.0-141			6.02	31
Benzo(b)fluoranthene	0.102	ND	0.0541	0.0534	53.2	52.5	1	10.0-140			1.42	36
Benzo(g,h,i)perylene	0.102	ND	0.0607	0.0544	59.8	53.5	1	10.0-140			11.0	33
Benzo(k)fluoranthene	0.102	ND	0.0539	0.0508	53.0	50.0	1	10.0-137			5.83	31
Chrysene	0.102	ND	0.0675	0.0643	66.4	63.3	1	10.0-145			4.82	30
Dibenz(a,h)anthracene	0.102	ND	0.0626	0.0569	61.6	56.0	1	10.0-132			9.56	31
Fluoranthene	0.102	ND	0.0637	0.0606	62.6	59.6	1	10.0-153			4.91	33
Fluorene	0.102	ND	0.0822	0.0640	80.9	63.0	1	11.0-130			24.8	29
Indeno(1,2,3-cd)pyrene	0.102	ND	0.0567	0.0541	55.8	53.2	1	10.0-137			4.59	32
Naphthalene	0.102	ND	0.616	0.0596	606	58.6	1	10.0-135	J5	J3	165	27
Phenanthrene	0.102	ND	0.0879	0.0615	86.5	60.5	1	10.0-144		J3	35.4	31
Pyrene	0.102	ND	0.0602	0.0582	59.3	57.3	1	10.0-148			3.43	35
1-Methylnaphthalene	0.102	ND	0.116	0.0633	115	62.3	1	10.0-142		J3	59.1	28
2-Methylnaphthalene	0.102	ND	0.231	0.0628	228	61.8	1	10.0-137	J5	J3	115	28
(S) p-Terphenyl-d14					60.8	54.7		23.0-120				
(S) Nitrobenzene-d5					51.9	56.4		14.0-149				
(S) 2-Fluorobiphenyl					55.3	58.0		34.0-125				

Cp

Tc

Ss

Cn

Ds

Sr

Qc

Gl

Al

Sc

Method Blank (MB)

(MB) R4233227-2 06/19/25 16:56

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.0330	0.0330
Acenaphthene	U		0.0330	0.0330
Acenaphthylene	U		0.0330	0.0330
Benzo(a)anthracene	U		0.00600	0.00600
Benzo(a)pyrene	U		0.0330	0.0330
Benzo(b)fluoranthene	U		0.0330	0.0330
Benzo(g,h,i)perylene	U		0.0330	0.0330
Benzo(k)fluoranthene	U		0.0330	0.0330
Chrysene	U		0.0330	0.0330
Dibenz(a,h)anthracene	U		0.0330	0.0330
Fluoranthene	U		0.0330	0.0330
Fluorene	U		0.0330	0.0330
Indeno(1,2,3-cd)pyrene	U		0.0330	0.0330
Naphthalene	U		0.00300	0.00300
Phenanthrene	U		0.0330	0.0330
Pyrene	U		0.0330	0.0330
1-Methylnaphthalene	U		0.00300	0.00300
2-Methylnaphthalene	U		0.0120	0.0120
(S) p-Terphenyl-d14	88.0			23.0-120
(S) Nitrobenzene-d5	67.1			14.0-149
(S) 2-Fluorobiphenyl	74.9			34.0-125

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Laboratory Control Sample (LCS)

(LCS) R4233227-1 06/19/25 16:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0884	111	50.0-126	
Acenaphthene	0.0800	0.0740	92.5	50.0-120	
Acenaphthylene	0.0800	0.0798	99.8	50.0-120	
Benzo(a)anthracene	0.0800	0.0906	113	45.0-120	
Benzo(a)pyrene	0.0800	0.0821	103	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0870	109	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0816	102	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0859	107	49.0-125	
Chrysene	0.0800	0.0896	112	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0855	107	47.0-125	
Fluoranthene	0.0800	0.0909	114	49.0-129	
Fluorene	0.0800	0.0833	104	49.0-120	

Laboratory Control Sample (LCS)

(LCS) R4233227-1 06/19/25 16:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Indeno(1,2,3-cd)pyrene	0.0800	0.0830	104	46.0-125	
Naphthalene	0.0800	0.0707	88.4	50.0-120	
Phenanthrene	0.0800	0.0867	108	47.0-120	
Pyrene	0.0800	0.0812	102	43.0-123	
1-Methylnaphthalene	0.0800	0.0765	95.6	51.0-121	
2-Methylnaphthalene	0.0800	0.0745	93.1	50.0-120	
(S) p-Terphenyl-d14			90.9	23.0-120	
(S) Nitrobenzene-d5			62.8	14.0-149	
(S) 2-Fluorobiphenyl			68.1	34.0-125	

L1869450-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869450-01 06/19/25 18:59 • (MS) R4233227-3 06/19/25 19:16 • (MSD) R4233227-4 06/19/25 19:34

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Anthracene	0.0878	ND	0.0796	0.0844	90.7	96.7	1	10.0-145			5.84	30
Acenaphthene	0.0878	ND	0.0640	0.0677	73.0	77.6	1	14.0-127			5.58	27
Acenaphthylene	0.0878	ND	0.0702	0.0750	79.9	85.8	1	21.0-124			6.60	25
Benzo(a)anthracene	0.0878	ND	0.0811	0.0878	92.4	101	1	10.0-139			7.92	30
Benzo(a)pyrene	0.0878	ND	0.0785	0.0838	89.5	95.9	1	10.0-141			6.45	31
Benzo(b)fluoranthene	0.0878	ND	0.0692	0.0740	78.8	84.7	1	10.0-140			6.69	36
Benzo(g,h,i)perylene	0.0878	ND	0.0701	0.0755	79.8	86.5	1	10.0-140			7.50	33
Benzo(k)fluoranthene	0.0878	ND	0.0721	0.0766	82.1	87.8	1	10.0-137			6.14	31
Chrysene	0.0878	ND	0.0790	0.0854	90.0	97.8	1	10.0-145			7.86	30
Dibenz(a,h)anthracene	0.0878	ND	0.0732	0.0773	83.4	88.5	1	10.0-132			5.48	31
Fluoranthene	0.0878	ND	0.0822	0.0876	93.7	100	1	10.0-153			6.30	33
Fluorene	0.0878	ND	0.0737	0.0785	84.0	89.9	1	11.0-130			6.29	29
Indeno(1,2,3-cd)pyrene	0.0878	ND	0.0731	0.0788	83.2	90.2	1	10.0-137			7.48	32
Naphthalene	0.0878	ND	0.0583	0.0615	66.4	70.4	1	10.0-135			5.40	27
Phenanthrene	0.0878	ND	0.0761	0.0801	86.7	91.7	1	10.0-144			5.14	31
Pyrene	0.0878	ND	0.0702	0.0752	79.9	86.1	1	10.0-148			6.90	35
1-Methylnaphthalene	0.0878	ND	0.0647	0.0683	73.7	78.2	1	10.0-142			5.36	28
2-Methylnaphthalene	0.0878	ND	0.0630	0.0665	71.8	76.1	1	10.0-137			5.33	28
(S) p-Terphenyl-d14					70.8	74.1		23.0-120				
(S) Nitrobenzene-d5					66.4	71.4		14.0-149				
(S) 2-Fluorobiphenyl					64.7	69.6		34.0-125				

Cp

Tc

Ss

Cn

Ds

Sr

Qc

Gl

Al

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

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDA	Minimum Detectable Activity.
MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RER	Replicate Error Ratio.
TPU	Total Propagated Uncertainty reported at 2 sigma (counting error plus all measurable variables).
Lc	Decision Level or Critical Level. DOE required Detection limit at a 68% confidence level.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
C7	The initial calibration verification standard (SSCV) associated with this data responded high.



GLOSSARY OF TERMS

Qualifier	Description	
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).	¹ Cp
J	The identification of the analyte is acceptable; the reported value is an estimate.	² Tc
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.	³ Ss
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.	⁴ Cn
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.	⁵ Ds
U	Below Detectable Limits: Indicates that the analyte was not detected.	⁶ Sr
V	The sample concentration is too high to evaluate accurate spike recoveries.	⁷ Qc
		⁸ Gl
		⁹ Al
		¹⁰ Sc

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.



Pace® Location Requested (City/State):

Pace National, 12065 Lebanon Road, Mt. Juliet, TN 37122

CHAIN-OF-CUSTODY Analytical Request Document

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

Company Name: CTEH, LLC	Contact/Report To: Chevron-Bishop, Kyle Lawrence, Tami McMullin, Andy Henault, Eric Catlin, Madelyn Klinkerman
Street Address: 5120 North Shore Drive, North Little Rock, AR 72118	Phone #: E-Mail: chevron_bishop@cteh.com; kylelawrence@cteh.com; tmcnullin@cteh.com; ahenault@cteh.com
Customer Project #: PROJ-054017	Cc E-Mail: ecatin@cteh.com; mlinkerman@cteh.com
Project Name: Bishop LOC	Invoice to: CTEH Invoice E-mail: ctehap@montrose-env.com
Site Collection Info/Facility ID (as applicable): Galeton, CO	Purchase Order # (if applicable):
Time Zone Collected: [] AK [] PT [X] MT [] CT [] ET	Quote #:
	County / State origin of sample(s): CO

Data Deliverables:	Regulatory Program (DW, RCRA, etc.) as applicable:		Reportable ☐ Yes ☐ No
☒ Level II ☐ Level III ☐ Level IV	Rush (Pre-approval required): ☐ Same Day ☐ 1 Day ☐ 2 Day ☐ 3 Day ☒ Other 5 Day	DW PWSID # or VVW Permit # as applicable:	
☐ EQUIS		Field Filtered (if applicable): ☐ Yes ☐ No	
☐ Other _____	Date Results Requested:	Analysis:	

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

[illegible]

Additional Instructions from Pace® :

VOCs - full list including BTEX, 1,2,4-TMB, 1,3,5-TMB; SVOCs - full list plus PAHs Table 915-1, 1-methylnaphthalene, 2-methylnaphthalene; Metals by 6010D: Al, Sb, Be, Ca, Cr, Co, Fe, Mg, Mn, K, Na, Ti, V; Metals by 6020B: As, Ba, Cd, Cu, Pb, Ni, Se, Ag, Zn

Collected By:	
Printed Name	
Signature	

c. Birk-ackern
Wald-c

Customer Remarks / Special Conditions / Possible Hazards:	
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# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C):	Corrected Temp. (°C):	[] On Ice
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Relinquished by/Company: (Signature) <i>WNB-0</i>	Date/Time: <i>6-12-25 1800</i>	Received by/Company: (Signature) <i>PAIR</i>	Date/Time: <i>6-12-25 1800</i>	Tracking Number:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature) <i>DD</i>	Date/Time: <i>6/13/25 1230</i>	Delivered by: ☐ In-Person ☐ Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	☐ FedEX ☐ UPS ☐ Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: <i>2</i> of <i>6</i>

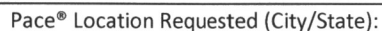
GAC00612T149-2CRS

LAB USE ONLY- Affix Workorder/Login Label Here



Scan QR Code for instructions

Specify Container Size **										**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other									
8oz	8oz	8oz	8oz	8oz	8oz	10	6			8oz	8oz	8oz	8oz	8oz	10				
Identify Container Preservation Type**										*** Preservative Types: (1) None, (2) HNO ₃ , (3) H ₂ SO ₄ , (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO ₄ , (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other									
1	1	1	1	1	1	1	4			1	1	1	1	1	1				
Analysis Requested																			
VOCs 8260D; TPH- GRO/DRO/ORO 8015D	SVOCS 8270E; PAH 8270E SIM	Metals 6010D, 6020B, Cr6 7199	Total N/TKN/N-N/HA3 EPA 350.1, 351.2, 9056A, SW 4500 Norg	TOC Walkley Black; pH	9045D/Sat. Paste; EC 9050A Mod	SAR USDA 20B; Hot Water	Soluble Boron	Radionuclides (U, Ra 226, RA 228) 901.1 - Bag	VOCs 8260D	MS/MSD	Lab Use Only Proj. Mgr: 546-Jared Starkey AcctNum / Client ID: CTEHER Table #: Profile / Template: T275920 Prelog / Bottle Ord. ID: P1156679 Sample Comment					Preservation non-conformance identified for			
X	X	X	X	X	X	X	-	-	L1669427 05 / 29										
X	X	X	X	X	X	X	-	-	06 / 30										
X	X	X	X	X	X	X	-	-	07 / 31										
X	X	X	X	X	X	X	-	-	08 / 32										
-	-	-	-	-	-	-	X	-	09										



Pace National, 12065 Lebanon Road, Mt. Juliet, TN 37122

CHAIN-OF-CUSTODY Analytical Request Document

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

Company Name: CTEH, LLC	Contact/Report To: Chevron-Bishop, Kyle Lawrence, Tami McMullin, Andy Henault, Eric Catlin, Madelyn Klinkerman
Street Address: 5120 North Shore Drive, North Little Rock, AR 72118	Phone #: E-Mail: chevron_bishop@cteh.com; kylelawrence@cteh.com; tmcnullin@cteh.com; ahenault@cteh.com
Customer Project #: PROJ-054017	Cc E-Mail: ecatin@cteh.com; mklinkerman@cteh.com
Project Name: Bishop LOC	Invoice to: CTEH Invoice E-mail: cteh@montrose-env.com
Site Collection Info/Facility ID (as applicable): Galeton, CO	Purchase Order # (if applicable): Quote #:
Time Zone Collected: [] AK [] PT [☒] MT [] CT [] ET	County / State origin of sample(s): CO

Data Deliverables:			Regulatory Program (DW, RCRA, etc.) as applicable:		Reportable ☐ Yes ☐ No						
☒ X	Level II	☐ Level III	☐ Level IV	Rush (Pre-approval required): ☐ Same Day ☐ 1 Day ☐ 2 Day ☐ 3 Day ☒ X Other 5 Day							
☐ EQUIS											
☐ Other _____				Date Results Requested: _____							
				DW PWSID # or WW Permit # as applicable: _____							
				Field Filtered (if applicable): ☐ Yes ☐ No							
				Analysis: _____							

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

[illegible]

Additional Instructions from Pace® :

VOCs - full list including BTEX, 1,2,4-TMB, 1,3,5-TMB; SVOCs - full list plus PAHs Table 915-1, 1-methylnaphthalene, 2-methylnaphthalene; Metals by 6010D: Al, Sb, Be, Ca, Cr, Co, Fe, Mg, Mn, K, Na, Ti, V; Metals by 6020B: As, Ba, Cd, Cu, Pb, Ni, Se, Ag, Zn

Collected By:	
Printed Name	
Signature	

C. BLACK-OCKEN
(MNB-0)

Customer Remarks / Special Conditions / Possible Hazards:									
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# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C):	Corrected Temp. (°C):	[] On Ice
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Relinquished by/Company: (Signature) WMB-0 CTEH	Date/Time: 6-12-25 1800	Received by/Company: (Signature) Page	Date/Time: 6-12-25 1800	Tracking Number:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature) [Signature]	Date/Time: 6/13/25 1237	Delivered by: ☐ In-Person ☐ Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	☐ FedEx ☐ UPS ☐ Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 4 of 6



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Specify Container Size **										**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other									
8oz	8oz	8oz	8oz	8oz	8oz	10	6												
Identify Container Preservative Type***										*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other									
1	1	1	1	1	1	1	4												

WOCs 8260D; TPH- GRO/DRO/ORO 8015D VOCs 8270E; PAH 8270E SIM Metals 6010D, 6020B, Cr 6 7199 Total N/TKN/N+N/NH3 EPA 350.1, 351.2, 4056A, SM 4500 Norg TOC Walkley Black; pH 9045D/Sat. Paste; EC 9050A Mod SAR USDA 20B; Hot Water Soluble Boron Radionuclides (U, Ra 226, RA 228) 901.1 - Bag WOCs 8260D MS/MSD	Lab Use Only	Proj. Mgr: 546-Jared Starkey AcctNum / Client ID: CTEHER Table #: Profile / Template: T275920 Prelog / Bottle Ord. ID: P1156679
		Sample Comment

Preservation non-conformance identified for

GAC00612T149-2CRS

Pace® Location Requested (City/State): CHAIN-OF-CUSTODY Analytical Request Document

Company Name: CTEH, LLC; Street Address: 5120 North Shore Drive, North Little Rock, AR 72118; Customer Project #: PROJ-054017; Project Name: Bishop LOC; Site Collection Info/Facility ID (as applicable): Galeton, CO; Time Zone Collected: [] AK [] PT [X] MT [] CT [] ET; County / State origin of sample(s): CO

Additional Instructions from Pace*: VOCs - full list including BTEX, 1,2,4-TMB, 1,3,5-TMB; SVOCs - full list plus PAHs Table 915-1, 1-methylnaphthalene, 2-methylnaphthalene; Metals by 6010D: Al, Sb, Be, Ca, Cr, Co, Fe, Mg, Mn, K, Na, Ti, V; Metals by 6020B: As, Ba, Cd, Cu, Pb, Ni, Se, Ag, Zn

Relinquished by/Company: (Signature) Date/Time: 6-12-25 1800 Received by/Company: (Signature) Date/Time: 6-12-25 1800

Relinquished by/Company: (Signature) Date/Time: Received by/Company: (Signature) Date/Time: 6/13/25 1230

Relinquished by/Company: (Signature) Date/Time: Received by/Company: (Signature) Date/Time: Page: 6 of 6

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Multiple Parcel Form

L# L1869427

[illegible]

Name

Date _____