ANALYTICAL REPORT

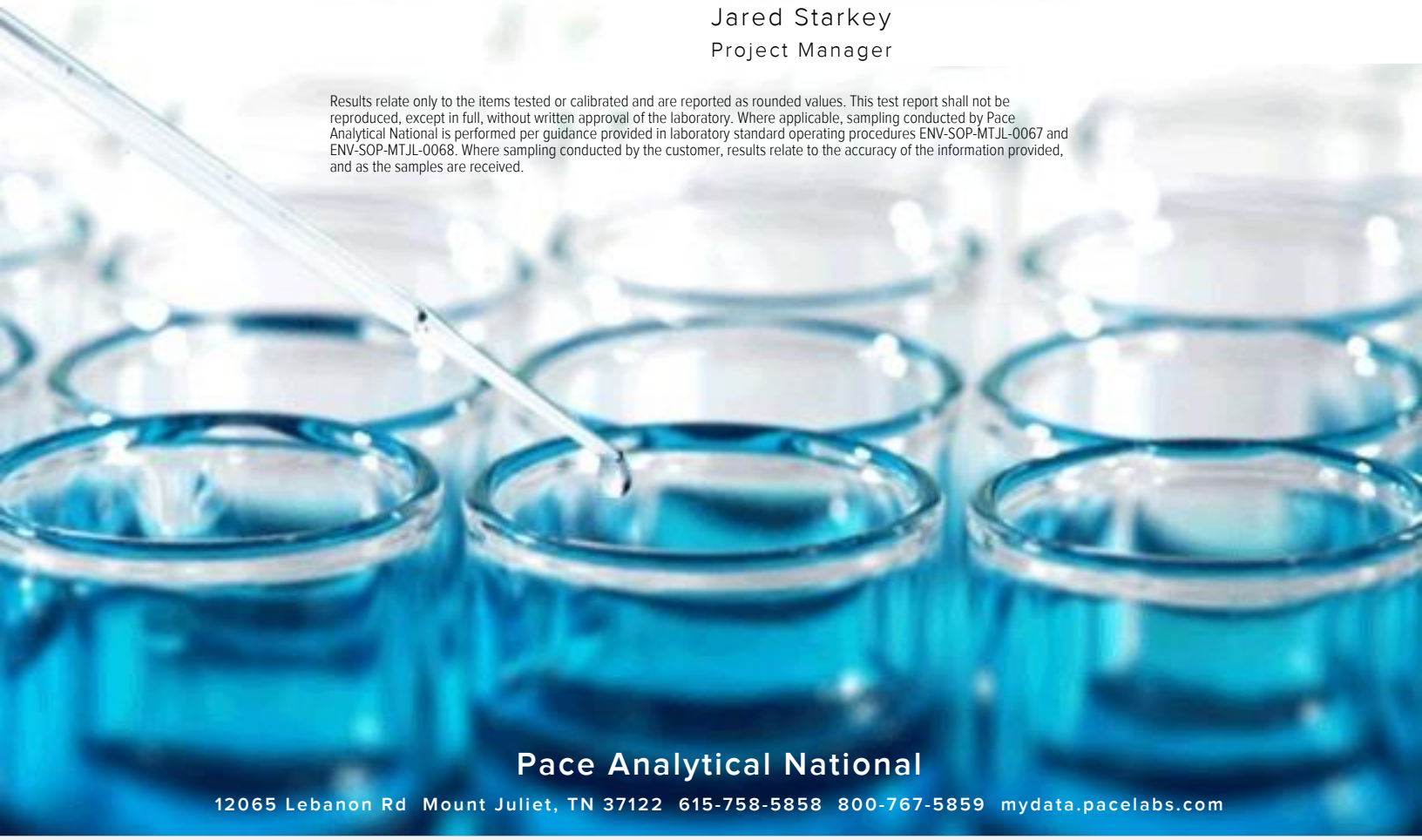
July 07, 2025

CTEH - ER

Sample Delivery Group:	L1871603
Samples Received:	06/20/2025
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



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

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GACO0619T172-1CRS001 L1871603-01

Collected by: SB/NB/RG | Collected date/time: 06/19/25 08:10 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2546135	1	06/27/25 02:35	06/27/25 02:35	JTM	Mt. Juliet, TN
Calculated Results	WG2543944	1	06/21/25 22:27	06/27/25 10:55	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2543244	1	06/20/25 15:15	06/20/25 15:26	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2544513	1	06/23/25 17:16	06/25/25 15:40	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2547585	5	06/26/25 20:04	06/27/25 10:55	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2544394	1	06/23/25 19:24	06/27/25 14:22	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2548151	1	06/27/25 09:25	06/28/25 09:03	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2548156	1	06/27/25 09:29	06/30/25 17:13	KA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2543944	1	06/21/25 22:27	06/22/25 01:16	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2544368	10	06/22/25 16:29	06/25/25 02:29	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2544342	1	06/22/25 16:56	06/23/25 10:08	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2546151	1	06/26/25 09:50	06/26/25 15:09	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2544351	5	06/22/25 16:37	06/23/25 21:06	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2543487	25	06/20/25 16:22	06/21/25 01:28	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2543444	1	06/20/25 16:22	06/21/25 06:01	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2547464	10	06/29/25 15:43	06/30/25 13:50	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2544065	10	06/26/25 10:17	06/27/25 01:40	JTO	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2547085	1	06/26/25 07:23	06/27/25 00:36	KB	Mt. Juliet, TN

GACO0619T172-1CRS002 L1871603-02

Collected by: SB/NB/RG | Collected date/time: 06/19/25 08:25 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2546137	1	06/27/25 05:01	06/27/25 05:01	JTM	Mt. Juliet, TN
Calculated Results	WG2543944	1	06/21/25 22:27	06/27/25 11:01	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2543244	1	06/20/25 15:15	06/20/25 15:26	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2544513	1	06/23/25 17:16	06/25/25 15:42	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2547585	5	06/26/25 20:04	06/27/25 11:01	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2544394	1	06/23/25 19:24	06/27/25 14:31	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2548099	1	06/27/25 08:22	06/27/25 12:18	JDG	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2548101	1	06/27/25 08:25	06/27/25 23:40	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2543944	1.03	06/21/25 22:27	06/22/25 01:29	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2544368	2	06/22/25 16:29	06/25/25 02:29	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2544342	1	06/22/25 16:56	06/23/25 10:10	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2548045	1	06/27/25 11:27	06/27/25 16:26	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2544351	5	06/22/25 16:37	06/23/25 21:09	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2543487	25	06/20/25 16:22	06/21/25 01:51	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2543444	1	06/20/25 16:22	06/21/25 06:20	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2547464	1	06/29/25 15:43	06/30/25 11:20	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2544065	1	06/26/25 10:17	06/26/25 20:00	JTO	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2547085	1	06/26/25 07:23	06/26/25 21:06	KB	Mt. Juliet, TN

GACO0619T172-1CRS003 L1871603-03

Collected by: SB/NB/RG | Collected date/time: 06/19/25 08:15 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2546137	1	06/27/25 05:03	06/27/25 05:03	JTM	Mt. Juliet, TN
Calculated Results	WG2543944	1	06/21/25 22:27	06/27/25 11:03	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2543244	1	06/20/25 15:15	06/20/25 15:26	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2544513	1	06/23/25 17:16	06/25/25 15:43	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2547585	5	06/26/25 20:04	06/27/25 11:03	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2544394	1	06/23/25 19:24	06/27/25 14:40	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2548099	1	06/27/25 08:22	06/27/25 12:18	JDG	Mt. Juliet, TN

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

GACO0619T172-1CRS003 L1871603-03

Collected by: SB/NB/RG | Collected date/time: 06/19/25 08:15 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9050AMod	WG2548101	1	06/27/25 08:25	06/27/25 23:40	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2543944	1.03	06/21/25 22:27	06/22/25 01:43	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2544368	1	06/22/25 16:29	06/25/25 02:30	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2544342	1	06/22/25 16:56	06/23/25 10:11	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2548045	1	06/27/25 11:27	06/27/25 16:29	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2544351	5	06/22/25 16:37	06/23/25 21:12	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2543487	25	06/20/25 16:22	06/21/25 02:15	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2543444	1	06/20/25 16:22	06/21/25 06:38	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2547464	10	06/29/25 15:43	06/30/25 18:17	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2544065	10	06/26/25 10:17	06/27/25 02:23	JTO	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2549212	1	06/30/25 09:05	07/01/25 07:44	KB	Mt. Juliet, TN

GACO0619T172-1CRT001 L1871603-04

Collected by: SB/NB/RG | Collected date/time: 06/19/25 07:00 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2543520	1	06/21/25 05:35	06/21/25 05:35	DWR	Mt. Juliet, TN

GACO0619T172-1CRS004 L1871603-05

Collected by: SB/NB/RG | Collected date/time: 06/19/25 08:10 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2546137	1	06/27/25 05:05	06/27/25 05:05	JTM	Mt. Juliet, TN
Calculated Results	WG2543944	1	06/21/25 22:27	06/27/25 11:05	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2543244	1	06/20/25 15:15	06/20/25 15:26	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2544513	1	06/23/25 17:16	06/25/25 15:45	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2547585	5	06/26/25 20:04	06/27/25 11:05	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2544394	1	06/23/25 19:24	06/27/25 14:49	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2548099	1	06/27/25 08:22	06/27/25 12:18	JDG	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2548101	1	06/27/25 08:25	06/27/25 23:40	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2543944	1.03	06/21/25 22:27	06/22/25 01:56	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2544368	1	06/22/25 16:29	06/25/25 02:30	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2544342	1	06/22/25 16:56	06/23/25 10:16	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2548045	1	06/27/25 11:27	06/27/25 16:32	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2544351	5	06/22/25 16:37	06/23/25 21:24	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2543487	25	06/20/25 16:22	06/21/25 02:38	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2543444	1	06/20/25 16:22	06/21/25 06:57	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2547464	1	06/29/25 15:43	06/30/25 11:48	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2544065	2	06/26/25 10:17	06/26/25 21:47	JTO	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2547085	1	06/26/25 07:23	06/26/25 21:23	KB	Mt. Juliet, TN

GACO0619T172-1CRC004 L1871603-06

Collected by: SB/NB/RG | Collected date/time: 06/19/25 08:10 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2546137	1	06/27/25 05:08	06/27/25 05:08	JTM	Mt. Juliet, TN
Calculated Results	WG2543944	1	06/21/25 22:27	06/27/25 11:07	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2543244	1	06/20/25 15:15	06/20/25 15:26	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2544513	1	06/23/25 17:16	06/25/25 15:47	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2547585	5	06/26/25 20:04	06/27/25 11:07	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2544394	1	06/23/25 19:24	06/27/25 15:07	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2548099	1	06/27/25 08:22	06/27/25 12:18	JDG	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2548101	1	06/27/25 08:25	06/27/25 23:40	KRB	Mt. Juliet, TN

GACO0619T172-1CRC004 L1871603-06

Collected by: SB/NB/RG | Collected date/time: 06/19/25 08:10 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2543944	1.01	06/21/25 22:27	06/22/25 02:15	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2544368	2	06/22/25 16:29	06/25/25 02:30	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2544342	1	06/22/25 16:56	06/23/25 10:18	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2548045	1	06/27/25 11:27	06/27/25 16:35	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2544351	5	06/22/25 16:37	06/23/25 21:27	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2543841	25	06/20/25 16:22	06/22/25 01:55	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2543444	1	06/20/25 16:22	06/21/25 07:16	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2547464	1	06/29/25 15:43	06/30/25 12:59	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2544065	2	06/26/25 10:17	06/26/25 22:07	JTO	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2547085	1	06/26/25 07:23	06/26/25 23:26	KB	Mt. Juliet, TN

GACO0619T172-1CRS005 L1871603-07

Collected by: SB/NB/RG | Collected date/time: 06/19/25 08:35 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2546137	1	06/27/25 05:10	06/27/25 05:10	JTM	Mt. Juliet, TN
Calculated Results	WG2543944	1	06/21/25 22:27	06/27/25 11:09	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2543244	1	06/20/25 15:15	06/20/25 15:26	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2544513	1	06/23/25 17:16	06/25/25 15:49	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2547585	5	06/26/25 20:04	06/27/25 11:09	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2544394	1	06/23/25 19:24	06/27/25 15:16	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2548099	1	06/27/25 08:22	06/27/25 12:18	JDG	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2548101	1	06/27/25 08:25	06/27/25 23:40	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2543944	1.03	06/21/25 22:27	06/22/25 02:29	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2544368	5	06/22/25 16:29	06/25/25 02:30	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2544342	1	06/22/25 16:56	06/23/25 10:20	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2548045	1	06/27/25 11:27	06/27/25 16:38	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2544351	5	06/22/25 16:37	06/23/25 21:30	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2543114	25	06/20/25 16:22	06/21/25 05:02	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2543444	1	06/20/25 16:22	06/21/25 07:35	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2547464	1	06/29/25 15:43	06/30/25 11:48	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2548983	1	07/01/25 06:34	07/01/25 17:20	MBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2547085	1	06/26/25 07:23	06/26/25 21:41	KB	Mt. Juliet, TN

GACO0619T172-1CRT002 L1871603-08

Collected by: SB/NB/RG | Collected date/time: 06/19/25 07:00 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2543520	1	06/21/25 05:57	06/21/25 05:57	DWR	Mt. Juliet, TN

GACO0619T172-1CRS006 L1871603-09

Collected by: SB/NB/RG | Collected date/time: 06/19/25 08:55 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2546137	1	06/27/25 05:12	06/27/25 05:12	JTM	Mt. Juliet, TN
Calculated Results	WG2543944	1	06/21/25 22:27	06/27/25 11:10	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2543244	1	06/20/25 15:15	06/20/25 15:26	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2544513	1	06/23/25 17:16	06/25/25 15:51	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2547585	5	06/26/25 20:04	06/27/25 11:10	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2544394	1	06/23/25 19:24	06/27/25 15:25	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2548099	1	06/27/25 08:22	06/27/25 12:18	JDG	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2548101	1	06/27/25 08:25	06/27/25 23:40	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2543944	10	06/21/25 22:27	06/22/25 02:42	ZSA	Mt. Juliet, TN

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

GACO0619T172-1CRS006 L1871603-09

Collected by: SB/NB/RG | Collected date/time: 06/19/25 08:55 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method WALKLEY-BLACK	WG2544368	5	06/22/25 16:29	06/25/25 02:31	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2544342	1	06/22/25 16:56	06/23/25 10:21	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2548045	1	06/27/25 11:27	06/27/25 18:55	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2544351	5	06/22/25 16:37	06/23/25 22:13	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2543114	25	06/20/25 16:22	06/21/25 05:24	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2543444	1	06/20/25 16:22	06/21/25 07:54	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2547464	10	06/29/25 15:43	06/30/25 18:31	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2548983	1	07/01/25 06:34	07/01/25 17:43	MBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2547085	1	06/26/25 07:23	06/26/25 23:43	KB	Mt. Juliet, TN

GACO0619T172-1CRC006 L1871603-10

Collected by: SB/NB/RG | Collected date/time: 06/19/25 08:55 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2546137	1	06/27/25 05:14	06/27/25 05:14	JTM	Mt. Juliet, TN
Calculated Results	WG2543944	1	06/21/25 22:27	06/27/25 11:12	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2543244	1	06/20/25 15:15	06/20/25 15:26	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2544514	1	06/23/25 09:45	06/23/25 18:10	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2547585	5	06/26/25 20:04	06/27/25 11:12	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2544394	1	06/23/25 19:24	06/27/25 15:52	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2548099	1	06/27/25 08:22	06/27/25 12:18	JDG	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2548101	1	06/27/25 08:25	06/27/25 23:40	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2543944	10.4	06/21/25 22:27	06/22/25 02:56	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2544368	5	06/22/25 16:29	06/25/25 02:31	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2544342	1	06/22/25 16:56	06/23/25 10:23	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2548045	1	06/27/25 11:27	06/27/25 18:58	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2544351	5	06/22/25 16:37	06/23/25 21:37	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2543114	25	06/20/25 16:22	06/21/25 05:47	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2543444	1	06/20/25 16:22	06/21/25 08:12	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2547464	10	06/29/25 15:43	06/30/25 13:50	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2548983	1	07/01/25 06:34	07/01/25 18:06	MBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2549212	1	06/30/25 09:05	06/30/25 21:41	KB	Mt. Juliet, TN

GACO0619T172-1CRS007 L1871603-11

Collected by: SB/NB/RG | Collected date/time: 06/19/25 08:45 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2546137	1	06/27/25 05:16	06/27/25 05:16	JTM	Mt. Juliet, TN
Calculated Results	WG2543944	1	06/21/25 22:27	06/27/25 11:14	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2543244	1	06/20/25 15:15	06/20/25 15:26	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2544514	1	06/23/25 09:45	06/23/25 18:12	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2547585	5	06/26/25 20:04	06/27/25 11:14	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2544394	1	06/23/25 19:24	06/27/25 16:01	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2548099	1	06/27/25 08:22	06/27/25 12:18	JDG	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2548101	1	06/27/25 08:25	06/27/25 23:40	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2543944	1	06/21/25 22:27	06/22/25 03:09	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2544368	5	06/22/25 16:29	06/25/25 02:31	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2544342	1	06/22/25 16:56	06/23/25 10:25	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2548045	1	06/27/25 11:27	06/27/25 17:42	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2544351	5	06/22/25 16:37	06/23/25 21:40	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2543114	25	06/20/25 16:22	06/21/25 06:09	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2543444	1	06/20/25 16:22	06/21/25 08:31	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2547465	1	06/27/25 13:48	06/28/25 06:47	KDB	Mt. Juliet, TN

GACO0619T172-1CRS007 L1871603-11

Collected by: SB/NB/RG | Collected date/time: 06/19/25 08:45 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2547465	10	06/27/25 13:48	06/30/25 15:03	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2548983	2	07/01/25 06:34	07/02/25 00:10	MBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2549212	1	06/30/25 09:05	06/30/25 21:58	KB	Mt. Juliet, TN

GACO0619T172-1CRT003 L1871603-12

Collected by: SB/NB/RG | Collected date/time: 06/19/25 07:00 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2543520	1	06/21/25 06:19	06/21/25 06:19	DWR	Mt. Juliet, TN

GACO0619T172-1CRS008 L1871603-13

Collected by: SB/NB/RG | Collected date/time: 06/19/25 08:25 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2546137	1	06/27/25 05:18	06/27/25 05:18	JTM	Mt. Juliet, TN
Calculated Results	WG2544564	1	06/23/25 08:52	06/27/25 11:30	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2543244	1	06/20/25 15:15	06/20/25 15:26	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2544514	1	06/23/25 09:45	06/23/25 18:14	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2547585	5	06/26/25 20:04	06/27/25 11:30	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2544394	1	06/23/25 19:24	06/27/25 16:10	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2548099	1	06/27/25 08:22	06/27/25 12:18	JDG	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2548101	1	06/27/25 08:25	06/27/25 23:40	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2544564	1	06/23/25 08:52	06/24/25 06:06	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2544368	4	06/22/25 16:29	06/25/25 02:31	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2544342	1	06/22/25 16:56	06/23/25 10:00	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2548045	1	06/27/25 11:27	06/27/25 17:45	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2544351	5	06/22/25 16:37	06/23/25 20:49	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2543114	25	06/20/25 16:22	06/21/25 06:32	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2543444	1	06/20/25 16:22	06/21/25 08:50	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2552305	1	07/03/25 10:40	07/05/25 15:00	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2547465	5	06/27/25 13:48	06/28/25 07:29	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2548983	1	07/01/25 06:34	07/01/25 18:29	MBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2549212	1	06/30/25 09:05	06/30/25 22:58	KB	Mt. Juliet, TN

GACO0619T172-1CRS009 L1871603-14

Collected by: SB/NB/RG | Collected date/time: 06/19/25 08:45 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2546137	1	06/27/25 05:25	06/27/25 05:25	JTM	Mt. Juliet, TN
Calculated Results	WG2543944	1	06/21/25 22:27	06/27/25 11:22	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2543246	1	06/20/25 15:26	06/20/25 15:38	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2544514	1	06/23/25 09:45	06/23/25 18:20	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2547585	5	06/26/25 20:04	06/27/25 11:22	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2544394	1	06/23/25 19:24	06/27/25 16:55	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2548099	1	06/27/25 08:22	06/27/25 12:18	JDG	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2548101	1	06/27/25 08:25	06/27/25 23:40	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2543944	1	06/21/25 22:27	06/22/25 04:30	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2544368	42	06/22/25 16:29	06/25/25 02:32	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2544342	1	06/22/25 16:56	06/23/25 10:26	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2548045	1	06/27/25 11:27	06/27/25 17:48	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2544351	5	06/22/25 16:37	06/23/25 21:44	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2543114	25	06/20/25 16:22	06/21/25 06:54	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2543444	1	06/20/25 16:22	06/21/25 09:09	DWR	Mt. Juliet, TN

GACO0619T172-1CRS009 L1871603-14

Collected by: SB/NB/RG | Collected date/time: 06/19/25 08:45 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2547465	1	06/27/25 13:48	06/28/25 04:54	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2548983	1	07/01/25 06:34	07/01/25 19:38	MBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2547085	1	06/26/25 07:23	06/26/25 21:58	KB	Mt. Juliet, TN

GACO0619T172-1CRT004 L1871603-15

Collected by: SB/NB/RG | Collected date/time: 06/19/25 07:00 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2543520	1	06/21/25 06:41	06/21/25 06:41	DWR	Mt. Juliet, TN

GACO0619T172-1CRS010 L1871603-16

Collected by: SB/NB/RG | Collected date/time: 06/19/25 08:35 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2546137	1	06/27/25 05:27	06/27/25 05:27	JTM	Mt. Juliet, TN
Calculated Results	WG2543944	1	06/21/25 22:27	06/27/25 09:30	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2543246	1	06/20/25 15:26	06/20/25 15:38	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2544514	1	06/23/25 09:45	06/23/25 18:21	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2547586	5	06/26/25 15:40	06/27/25 09:30	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2544394	1	06/23/25 19:24	06/27/25 17:04	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2548099	1	06/27/25 08:22	06/27/25 12:18	JDG	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2548101	1	06/27/25 08:25	06/27/25 23:40	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2543944	1	06/21/25 22:27	06/22/25 04:44	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2544368	5	06/22/25 16:29	06/25/25 02:33	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2544342	1	06/22/25 16:56	06/23/25 10:28	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2548045	1	06/27/25 11:27	06/27/25 17:51	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2544351	5	06/22/25 16:37	06/23/25 21:47	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2543114	25	06/20/25 16:22	06/21/25 07:17	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2543697	1	06/20/25 16:22	06/21/25 12:51	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2547465	1	06/27/25 13:48	06/28/25 05:51	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2548983	1	07/01/25 06:34	07/01/25 20:01	MBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2549212	1	06/30/25 09:05	07/01/25 00:09	KB	Mt. Juliet, TN

GACO0619T172-1CRS011 L1871603-17

Collected by: SB/NB/RG | Collected date/time: 06/19/25 08:30 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2546137	1	06/27/25 05:29	06/27/25 05:29	JTM	Mt. Juliet, TN
Calculated Results	WG2543944	1	06/21/25 22:27	06/27/25 09:31	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2543246	1	06/20/25 15:26	06/20/25 15:38	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2544514	1	06/23/25 09:45	06/23/25 18:23	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2547586	5	06/26/25 15:40	06/27/25 09:31	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2544394	1	06/23/25 19:24	06/27/25 17:13	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2548099	1	06/27/25 08:22	06/27/25 12:18	JDG	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2548101	1	06/27/25 08:25	06/27/25 23:40	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2543944	1.04	06/21/25 22:27	06/22/25 04:57	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2544368	1	06/22/25 16:29	06/25/25 02:33	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2544342	1	06/22/25 16:56	06/23/25 10:30	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2548045	1	06/27/25 11:27	06/27/25 17:54	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2544351	5	06/22/25 16:37	06/23/25 21:50	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2543114	25	06/20/25 16:22	06/21/25 07:39	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2543697	1	06/20/25 16:22	06/21/25 13:10	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2547465	1	06/27/25 13:48	06/28/25 05:37	KDB	Mt. Juliet, TN

GACO0619T172-1CRS011 L1871603-17

Collected by: SB/NB/RG | Collected date/time: 06/19/25 08:30 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2548983	1	07/01/25 06:34	07/01/25 20:24	MBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2547470	1	06/27/25 06:56	06/27/25 23:55	VDR	Mt. Juliet, TN

GACO0619T172-1CRS012 L1871603-18

Collected by: SB/NB/RG | Collected date/time: 06/19/25 08:40 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2546137	1	06/27/25 05:31	06/27/25 05:31	JTM	Mt. Juliet, TN
Calculated Results	WG2543944	1	06/21/25 22:27	06/27/25 09:33	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2543246	1	06/20/25 15:26	06/20/25 15:38	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2544514	1	06/23/25 09:45	06/23/25 18:25	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2547586	5	06/26/25 15:40	06/27/25 09:33	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2544394	1	06/23/25 19:24	06/27/25 17:49	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2548099	1	06/27/25 08:22	06/27/25 12:18	JDG	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2548101	1	06/27/25 08:25	06/27/25 23:40	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2543944	1	06/21/25 22:27	06/22/25 05:11	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2544368	5	06/22/25 16:29	06/25/25 02:33	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2544342	1	06/22/25 16:56	06/23/25 10:32	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2548045	1	06/27/25 11:27	06/27/25 17:57	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2544351	5	06/22/25 16:37	06/23/25 21:54	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2543114	25	06/20/25 16:22	06/21/25 08:01	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2543697	1	06/20/25 16:22	06/21/25 13:30	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2547465	1	06/27/25 13:48	06/28/25 03:44	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2548983	1	07/01/25 06:34	07/01/25 20:46	MBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2547470	1	06/27/25 06:56	06/27/25 18:07	VDR	Mt. Juliet, TN

GACO0619T172-1CRS013 L1871603-19

Collected by: SB/NB/RG | Collected date/time: 06/19/25 08:25 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2546137	1	06/27/25 05:33	06/27/25 05:33	JTM	Mt. Juliet, TN
Calculated Results	WG2543944	1	06/21/25 22:27	06/27/25 09:35	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2543246	1	06/20/25 15:26	06/20/25 15:38	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2544514	1	06/23/25 09:45	06/23/25 18:27	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2547586	5	06/26/25 15:40	06/27/25 09:35	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2544394	1	06/23/25 19:24	06/27/25 17:58	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2548099	1	06/27/25 08:22	06/27/25 12:18	JDG	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2548101	1	06/27/25 08:25	06/27/25 23:40	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2543944	1	06/21/25 22:27	06/22/25 05:24	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2544368	1	06/22/25 16:29	06/25/25 02:33	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2544342	1	06/22/25 16:56	06/23/25 09:51	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2548045	1	06/27/25 11:27	06/27/25 18:00	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2544351	5	06/22/25 16:37	06/23/25 22:07	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2543114	25	06/20/25 16:22	06/21/25 08:24	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2543697	1	06/20/25 16:22	06/21/25 13:49	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2547465	1	06/27/25 13:48	06/28/25 06:33	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2548983	1	07/01/25 06:34	07/01/25 21:09	MBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2547470	1	06/27/25 06:56	06/28/25 00:13	VDR	Mt. Juliet, TN

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

GACO0619T172-1CRT005 L1871603-20

Collected by: SB/NB/RG | Collected date/time: 06/19/25 07:00 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2543520	1	06/21/25 07:03	06/21/25 07:03	DWR	Mt. Juliet, TN

GACO0619T172-1CRS001 L1871603-21

Collected by: SB/NB/RG | Collected date/time: 06/19/25 08:10 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2545084	1	06/20/25 19:54	06/23/25 20:19	ZRG	Mt. Juliet, TN

GACO0619T172-1CRS002 L1871603-22

Collected by: SB/NB/RG | Collected date/time: 06/19/25 08:25 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2545084	1	06/20/25 19:54	06/23/25 20:20	ZRG	Mt. Juliet, TN

GACO0619T172-1CRS003 L1871603-23

Collected by: SB/NB/RG | Collected date/time: 06/19/25 08:15 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2545084	1	06/20/25 19:54	06/23/25 20:21	ZRG	Mt. Juliet, TN

GACO0619T172-1CRS004 L1871603-24

Collected by: SB/NB/RG | Collected date/time: 06/19/25 08:10 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2545084	1	06/20/25 19:54	06/23/25 20:23	ZRG	Mt. Juliet, TN

GACO0619T172-1CRC004 L1871603-25

Collected by: SB/NB/RG | Collected date/time: 06/19/25 08:10 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2545084	1	06/20/25 19:54	06/23/25 20:23	ZRG	Mt. Juliet, TN

GACO0619T172-1CRS005 L1871603-26

Collected by: SB/NB/RG | Collected date/time: 06/19/25 08:35 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2545084	1	06/20/25 19:54	06/23/25 20:59	ZRG	Mt. Juliet, TN

GACO0619T172-1CRS006 L1871603-27

Collected by: SB/NB/RG | Collected date/time: 06/19/25 08:55 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2545084	1	06/20/25 19:54	06/23/25 21:16	ZRG	Mt. Juliet, TN

GACO0619T172-1CRC006 L1871603-28

Collected by: SB/NB/RG | Collected date/time: 06/19/25 08:55 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2545084	1	06/20/25 19:54	06/23/25 21:17	ZRG	Mt. Juliet, TN

GACO0619T172-1CRS007 L1871603-29

Collected by: SB/NB/RG | Collected date/time: 06/19/25 08:45 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2545084	1	06/20/25 19:54	06/23/25 21:18	ZRG	Mt. Juliet, TN

GACO0619T172-1CRS008 L1871603-30

Collected by: SB/NB/RG | Collected date/time: 06/19/25 08:25 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2545084	1	06/20/25 19:54	06/23/25 21:19	ZRG	Mt. Juliet, TN

GACO0619T172-1CRS009 L1871603-31

Collected by: SB/NB/RG | Collected date/time: 06/19/25 08:45 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2545084	1	06/20/25 19:54	06/23/25 21:26	ZRG	Mt. Juliet, TN

GACO0619T172-1CRS010 L1871603-32

Collected by: SB/NB/RG | Collected date/time: 06/19/25 08:35 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2545084	1	06/20/25 19:54	06/23/25 21:23	ZRG	Mt. Juliet, TN

GACO0619T172-1CRS011 L1871603-33

Collected by: SB/NB/RG | Collected date/time: 06/19/25 08:30 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2545084	1	06/20/25 19:54	06/23/25 21:33	ZRG	Mt. Juliet, TN

GACO0619T172-1CRS012 L1871603-34

Collected by: SB/NB/RG | Collected date/time: 06/19/25 08:40 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2545084	1	06/20/25 19:54	06/23/25 21:46	ZRG	Mt. Juliet, TN

GACO0619T172-1CRS013 L1871603-35

Collected by: SB/NB/RG | Collected date/time: 06/19/25 08:25 | Received date/time: 06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2545084	1	06/20/25 19:54	06/23/25 22:23	ZRG	Mt. Juliet, TN

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

Project Comments

WG2544065 - 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.

Sample Delivery Group (SDG) Narrative

Sample was prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.

Batch	Method	Lab Sample ID
WG2552305	8260D	L1871603-13

Wet Chemistry by Method 350.1

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

Batch	Lab Sample ID	Analytes
WG2544513	(MSD) R4236259-4	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
WG2547585	(MS) R4237185-3	Kjeldahl Nitrogen, TKN
WG2547585	(MSD) R4237185-4	Kjeldahl Nitrogen, TKN
WG2547585	(MS) R4237185-5	Kjeldahl Nitrogen, TKN
WG2547585	(MSD) R4237185-6	Kjeldahl Nitrogen, TKN
WG2547586	(MS) R4237184-3	Kjeldahl Nitrogen, TKN
WG2547586	(MSD) R4237184-4	Kjeldahl Nitrogen, TKN

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

Batch	Lab Sample ID	Analytes
WG2547585	(MS) R4237185-5, (MS) R4237185-3, (MSD) R4237185-6, (MSD) R4237185-4	Kjeldahl Nitrogen, TKN

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

Batch	Lab Sample ID	Analytes
WG2547586	(MS) R4237184-3, (MS) R4237184-5, (MSD) R4237184-6, (MSD) R4237184-4	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
WG2544394	(MS) R4237771-12, (MS) R4237771-4, (MS) R4237771-6, (MSD) R4237771-5, L1871603-13	Hexavalent Chromium

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

Batch	Lab Sample ID	Analytes
WG2544394	(MSD) R4237771-5, L1871603-13	Hexavalent Chromium

Metals (ICP) by Method 6010D

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

Batch	Lab Sample ID	Analytes
WG2544342	(MS) R4234690-5, (MSD) R4234690-6, L1871603-13	Aluminum and Iron

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

Batch	Lab Sample ID	Analytes
WG2544342	(MS) R4234690-5, (MSD) R4234690-6, L1871603-13	Antimony, Magnesium, Potassium and Thallium

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
WG2544342	L1871603-13	Calcium and Iron

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
WG2543444	L1871603-01	1,2,3-Trichlorobenzene, Acetone and Hexachloro-1,3-butadiene
WG2543444	L1871603-02	1,2,3-Trichlorobenzene, Acetone and Hexachloro-1,3-butadiene
WG2543444	L1871603-03	1,2,3-Trichlorobenzene, Acetone and Hexachloro-1,3-butadiene
WG2543444	L1871603-05	1,2,3-Trichlorobenzene, Acetone and Hexachloro-1,3-butadiene
WG2543444	L1871603-06	1,2,3-Trichlorobenzene, Acetone and Hexachloro-1,3-butadiene
WG2543444	L1871603-07	1,2,3-Trichlorobenzene, Acetone and Hexachloro-1,3-butadiene
WG2543444	L1871603-09	1,2,3-Trichlorobenzene, Acetone and Hexachloro-1,3-butadiene
WG2543444	L1871603-10	1,2,3-Trichlorobenzene, Acetone and Hexachloro-1,3-butadiene
WG2543444	L1871603-11	1,2,3-Trichlorobenzene, Acetone and Hexachloro-1,3-butadiene
WG2543444	L1871603-13	1,2,3-Trichlorobenzene, Acetone and Hexachloro-1,3-butadiene
WG2543444	L1871603-14	1,2,3-Trichlorobenzene, Acetone and Hexachloro-1,3-butadiene
WG2543697	L1871603-16	Acetone
WG2543697	L1871603-17	Acetone
WG2543697	L1871603-18	Acetone
WG2543697	L1871603-19	Acetone

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

Batch	Lab Sample ID	Analytes
WG2552305	(LCSD) R4241204-2, L1871603-13	Chloromethane

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

Batch	Lab Sample ID	Analytes
WG2543520	(LCSD) R4234034-2, L1871603-04, 08, 12, 15, 20	Dichlorodifluoromethane

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

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

Batch	Lab Sample ID	Analytes
WG2543444	(MSD) R4234006-5, L1871603-02	Dichlorodifluoromethane and Trichlorofluoromethane
WG2543697	(MSD) R4234165-5	1,1,2-Trichlorotrifluoroethane and Chloroethane
WG2552305	(MSD) R4241204-5, L1871603-13	1,1,2,2-Tetrachloroethane

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
WG2544065	L1871603-01	2,2-Oxybis(1-Chloropropane), Bis(2-chlorethoxy)methane, Bis(2-chloroethyl)ether, Hexachlorocyclopentadiene, Nitrobenzene and Pentachlorophenol
WG2544065	L1871603-02	2,2-Oxybis(1-Chloropropane), Bis(2-chlorethoxy)methane, Bis(2-chloroethyl)ether, Hexachlorocyclopentadiene, Nitrobenzene and Pentachlorophenol
WG2544065	L1871603-03	2,2-Oxybis(1-Chloropropane), Bis(2-chlorethoxy)methane, Bis(2-chloroethyl)ether, Hexachlorocyclopentadiene, Nitrobenzene and Pentachlorophenol
WG2544065	L1871603-05	2,2-Oxybis(1-Chloropropane), Bis(2-chlorethoxy)methane, Bis(2-chloroethyl)ether, Hexachlorocyclopentadiene, Nitrobenzene and Pentachlorophenol
WG2544065	L1871603-06	2,2-Oxybis(1-Chloropropane), Bis(2-chlorethoxy)methane, Bis(2-chloroethyl)ether, Hexachlorocyclopentadiene, Nitrobenzene and Pentachlorophenol

The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.

Batch	Lab Sample ID	Analytes
WG2544065	L1871603-01	2,4-Dimethylphenol
WG2544065	L1871603-02	2,4-Dimethylphenol
WG2544065	L1871603-03	2,4-Dimethylphenol
WG2544065	L1871603-05	2,4-Dimethylphenol
WG2544065	L1871603-06	2,4-Dimethylphenol

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

Batch	Lab Sample ID	Analytes
WG2544065	L1871603-01	Hexachlorocyclopentadiene
WG2544065	L1871603-02	Hexachlorocyclopentadiene
WG2544065	L1871603-03	Hexachlorocyclopentadiene
WG2544065	L1871603-05	Hexachlorocyclopentadiene
WG2544065	L1871603-06	Hexachlorocyclopentadiene
WG2548983	L1871603-07	Hexachlorocyclopentadiene
WG2548983	L1871603-09	Hexachlorocyclopentadiene
WG2548983	L1871603-10	Hexachlorocyclopentadiene
WG2548983	L1871603-11	Hexachlorocyclopentadiene
WG2548983	L1871603-13	Hexachlorocyclopentadiene
WG2548983	L1871603-14	Hexachlorocyclopentadiene
WG2548983	L1871603-16	Hexachlorocyclopentadiene
WG2548983	L1871603-17	Hexachlorocyclopentadiene
WG2548983	L1871603-18	Hexachlorocyclopentadiene
WG2548983	L1871603-19	Hexachlorocyclopentadiene

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

Batch	Analyte	Lab Sample ID
WG2544065	2,4,6-Tribromophenol	(MSD) R4237098-4

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

Batch	Lab Sample ID	Analytes
WG2544065	(LCS) R4237098-1, L1871603-01, 02, 03, 05, 06	Benzidine
WG2548983	(LCS) R4239151-1, L1871603-07, 09, 10, 11, 13, 14, 16, 17, 18, 19	Benzidine

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
WG2544065	(MS) R4237098-3, (MSD) R4237098-4	28 analytes
WG2548983	(MS) R4239151-3, (MSD) R4239151-4, L1871603-13	Benzidine and Hexachlorocyclopentadiene

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

Batch	Lab Sample ID	Analytes
WG2544065	(MSD) R4237098-4	2,6-Dinitrotoluene, 2-Nitrophenol, 4-Chloro-3-methylphenol, Bis(2-chlorethoxy)methane, Diethyl phthalate, Hexachloro-1,3-butadiene, Hexachlorobenzene, Hexachloroethane and Isophorone

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

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

Batch	Analyte	Lab Sample ID
WG2547470	p-Terphenyl-d14	(BLANK) R4237563-2, (LCS) R4237563-1, L1871603-17, 19
WG2549212	2-Fluorobiphenyl	L1871603-03, 10, 11
WG2549212	p-Terphenyl-d14	(BLANK) R4238616-2, (LCS) R4238616-1, (MS) R4238616-3, (MS) R4238616-5, (MSD) R4238616-4, (MSD) R4238616-6, L1871603-03, 10, 11, 13, 16

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

Batch	Lab Sample ID	Analytes
WG2547085	(LCS) R4237381-1, L1871603-01, 02, 05, 06, 07, 09, 14	12 analytes

DETECTION SUMMARY

Calculated Results

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0619T172-1CRS001	L1871603-01	Total Nitrogen	4210		23.4	1	06/27/2025 10:55	WG2543944
GACO0619T172-1CRS002	L1871603-02	Total Nitrogen	675		22.2	1	06/27/2025 11:01	WG2543944
GACO0619T172-1CRS003	L1871603-03	Total Nitrogen	138		22.7	1	06/27/2025 11:03	WG2543944
GACO0619T172-1CRS004	L1871603-05	Total Nitrogen	373		22.1	1	06/27/2025 11:05	WG2543944
GACO0619T172-1CRC004	L1871603-06	Total Nitrogen	375		21.6	1	06/27/2025 11:07	WG2543944
GACO0619T172-1CRS005	L1871603-07	Total Nitrogen	1740		23.4	1	06/27/2025 11:09	WG2543944
GACO0619T172-1CRS006	L1871603-09	Total Nitrogen	3800		111	1	06/27/2025 11:10	WG2543944
GACO0619T172-1CRC006	L1871603-10	Total Nitrogen	3960		111	1	06/27/2025 11:12	WG2543944
GACO0619T172-1CRS007	L1871603-11	Total Nitrogen	3350		23.2	1	06/27/2025 11:14	WG2543944
GACO0619T172-1CRS008	L1871603-13	Total Nitrogen	2310		23.0	1	06/27/2025 11:30	WG2544564
GACO0619T172-1CRS009	L1871603-14	Total Nitrogen	2640		25.6	1	06/27/2025 11:22	WG2543944
GACO0619T172-1CRS010	L1871603-16	Total Nitrogen	2380		24.0	1	06/27/2025 09:30	WG2543944
GACO0619T172-1CRS011	L1871603-17	Total Nitrogen	665		21.6	1	06/27/2025 09:31	WG2543944
GACO0619T172-1CRS012	L1871603-18	Total Nitrogen	2360		22.6	1	06/27/2025 09:33	WG2543944
GACO0619T172-1CRS013	L1871603-19	Total Nitrogen	190		20.6	1	06/27/2025 09:35	WG2543944

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
GACO0619T172-1CRS001	L1871603-21	Actinium-228 (Ra-228)	0.786		0.271	0.271	0.532	0.237	06/23/2025 20:19	WG2545084
GACO0619T172-1CRS001	L1871603-21	Bismuth-214 (Ra-226)	0.551		0.181	0.181	0.291	0.132	06/23/2025 20:19	WG2545084
GACO0619T172-1CRS001	L1871603-21	Lead-214	0.755		0.174	0.174	0.274	0.125	06/23/2025 20:19	WG2545084
GACO0619T172-1CRS001	L1871603-21	Thorium-234 (U-238)	-2.61	U	1.82	1.82	3.82	1.52	06/23/2025 20:19	WG2545084
GACO0619T172-1CRS001	L1871603-21	Radium-226 (186 KeV)	0.733	U	0.894	0.894	1.70	0.794	06/23/2025 20:19	WG2545084
GACO0619T172-1CRS002	L1871603-22	Actinium-228 (Ra-228)	0.970		0.250	0.250	0.369	0.152	06/23/2025 20:20	WG2545084
GACO0619T172-1CRS002	L1871603-22	Bismuth-214 (Ra-226)	0.768		0.177	0.177	0.208	0.0891	06/23/2025 20:20	WG2545084
GACO0619T172-1CRS002	L1871603-22	Lead-214	0.680		0.154	0.154	0.242	0.109	06/23/2025 20:20	WG2545084
GACO0619T172-1CRS002	L1871603-22	Thorium-234 (U-238)	0.915	U	0.983	0.983	2.03	0.794	06/23/2025 20:20	WG2545084
GACO0619T172-1CRS002	L1871603-22	Radium-226 (186 KeV)	0.845	J	0.677	0.677	1.22	0.565	06/23/2025 20:20	WG2545084
GACO0619T172-1CRS003	L1871603-23	Actinium-228 (Ra-228)	0.822		0.227	0.227	0.390	0.169	06/23/2025 20:21	WG2545084
GACO0619T172-1CRS003	L1871603-23	Bismuth-214 (Ra-226)	0.531		0.153	0.153	0.212	0.0949	06/23/2025 20:21	WG2545084
GACO0619T172-1CRS003	L1871603-23	Lead-214	0.519		0.228	0.228	0.152	0.0676	06/23/2025 20:21	WG2545084
GACO0619T172-1CRS003	L1871603-23	Thorium-234 (U-238)	0.703	U	0.679	0.679	1.49	0.593	06/23/2025 20:21	WG2545084
GACO0619T172-1CRS003	L1871603-23	Radium-226 (186 KeV)	1.17		0.608	0.608	0.965	0.450	06/23/2025 20:21	WG2545084

DETECTION SUMMARY

Radiochemistry by Method DOE Ga-01-R/901.1

Client ID	Lab Sample ID	Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
			pCi/g		+ / -	+ / -	pCi/g	pCi/g	date / time	
GACO0619T172-1CRS004	L1871603-24	Actinium-228 (Ra-228)	1.56		0.387	0.387	0.459	0.179	06/23/2025 20:23	WG2545084
GACO0619T172-1CRS004	L1871603-24	Bismuth-214 (Ra-226)	0.982		0.251	0.251	0.288	0.122	06/23/2025 20:23	WG2545084
GACO0619T172-1CRS004	L1871603-24	Lead-214	0.944		0.203	0.203	0.300	0.135	06/23/2025 20:23	WG2545084
GACO0619T172-1CRS004	L1871603-24	Thorium-234 (U-238)	0.417	U	0.799	0.799	1.99	0.796	06/23/2025 20:23	WG2545084
GACO0619T172-1CRS004	L1871603-24	Radium-226 (186 KeV)	1.11	J	0.997	0.997	1.68	0.785	06/23/2025 20:23	WG2545084
GACO0619T172-1CRC004	L1871603-25	Actinium-228 (Ra-228)	1.30		0.247	0.247	0.330	0.144	06/23/2025 20:23	WG2545084
GACO0619T172-1CRC004	L1871603-25	Bismuth-214 (Ra-226)	0.976		0.164	0.164	0.186	0.0839	06/23/2025 20:23	WG2545084
GACO0619T172-1CRC004	L1871603-25	Lead-214	0.790		0.126	0.126	0.168	0.0777	06/23/2025 20:23	WG2545084
GACO0619T172-1CRC004	L1871603-25	Thorium-234 (U-238)	0.739	J	0.654	0.654	1.39	0.559	06/23/2025 20:23	WG2545084
GACO0619T172-1CRC004	L1871603-25	Radium-226 (186 KeV)	1.26		0.621	0.621	0.984	0.466	06/23/2025 20:23	WG2545084
GACO0619T172-1CRS005	L1871603-26	Actinium-228 (Ra-228)	1.03		0.233	0.233	0.353	0.155	06/23/2025 20:59	WG2545084
GACO0619T172-1CRS005	L1871603-26	Bismuth-214 (Ra-226)	0.911		0.164	0.164	0.177	0.0785	06/23/2025 20:59	WG2545084
GACO0619T172-1CRS005	L1871603-26	Lead-214	1.02		0.180	0.180	0.200	0.0915	06/23/2025 20:59	WG2545084
GACO0619T172-1CRS005	L1871603-26	Thorium-234 (U-238)	0.689	U	1.11	1.11	2.42	0.965	06/23/2025 20:59	WG2545084
GACO0619T172-1CRS005	L1871603-26	Radium-226 (186 KeV)	1.58		0.725	0.725	1.25	0.589	06/23/2025 20:59	WG2545084
GACO0619T172-1CRS006	L1871603-27	Actinium-228 (Ra-228)	0.837		0.222	0.222	0.400	0.178	06/23/2025 21:16	WG2545084
GACO0619T172-1CRS006	L1871603-27	Bismuth-214 (Ra-226)	0.918		0.187	0.187	0.247	0.113	06/23/2025 21:16	WG2545084
GACO0619T172-1CRS006	L1871603-27	Lead-214	1.26		0.185	0.185	0.229	0.106	06/23/2025 21:16	WG2545084
GACO0619T172-1CRS006	L1871603-27	Thorium-234 (U-238)	-1.66	U	1.44	1.44	3.09	1.23	06/23/2025 21:16	WG2545084
GACO0619T172-1CRS006	L1871603-27	Radium-226 (186 KeV)	0.235	U	0.784	0.784	1.52	0.715	06/23/2025 21:16	WG2545084
GACO0619T172-1CRC006	L1871603-28	Actinium-228 (Ra-228)	0.808		0.274	0.274	0.475	0.202	06/23/2025 21:17	WG2545084
GACO0619T172-1CRC006	L1871603-28	Bismuth-214 (Ra-226)	1.51		0.255	0.255	0.244	0.106	06/23/2025 21:17	WG2545084
GACO0619T172-1CRC006	L1871603-28	Lead-214	1.28		0.203	0.203	0.261	0.118	06/23/2025 21:17	WG2545084
GACO0619T172-1CRC006	L1871603-28	Thorium-234 (U-238)	1.03	U	1.14	1.14	2.29	0.897	06/23/2025 21:17	WG2545084
GACO0619T172-1CRC006	L1871603-28	Radium-226 (186 KeV)	2.05		0.812	0.812	1.32	0.607	06/23/2025 21:17	WG2545084
GACO0619T172-1CRS007	L1871603-29	Actinium-228 (Ra-228)	0.980		0.266	0.266	0.440	0.184	06/23/2025 21:18	WG2545084
GACO0619T172-1CRS007	L1871603-29	Bismuth-214 (Ra-226)	1.06		0.224	0.224	0.244	0.107	06/23/2025 21:18	WG2545084
GACO0619T172-1CRS007	L1871603-29	Lead-214	0.701		0.289	0.289	0.235	0.106	06/23/2025 21:18	WG2545084
GACO0619T172-1CRS007	L1871603-29	Thorium-234 (U-238)	0.677	U	0.834	0.834	1.83	0.728	06/23/2025 21:18	WG2545084
GACO0619T172-1CRS007	L1871603-29	Radium-226 (186 KeV)	1.56		0.754	0.754	1.18	0.544	06/23/2025 21:18	WG2545084

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
GACO0619T172-1CRS008	L1871603-30	Actinium-228 (Ra-228)	1.07		0.361	0.361	0.598	0.234	06/23/2025 21:19	WG2545084
GACO0619T172-1CRS008	L1871603-30	Bismuth-214 (Ra-226)	1.03		0.300	0.300	0.391	0.168	06/23/2025 21:19	WG2545084
GACO0619T172-1CRS008	L1871603-30	Lead-214	0.784		0.224	0.224	0.384	0.171	06/23/2025 21:19	WG2545084
GACO0619T172-1CRS008	L1871603-30	Thorium-234 (U-238)	1.04	U	0.915	0.915	2.26	0.896	06/23/2025 21:19	WG2545084
GACO0619T172-1CRS008	L1871603-30	Radium-226 (186 KeV)	1.12	J	1.09	1.09	1.84	0.852	06/23/2025 21:19	WG2545084
GACO0619T172-1CRS009	L1871603-31	Actinium-228 (Ra-228)	1.19		0.314	0.314	0.509	0.216	06/23/2025 21:26	WG2545084
GACO0619T172-1CRS009	L1871603-31	Bismuth-214 (Ra-226)	0.672		0.238	0.238	0.375	0.170	06/23/2025 21:26	WG2545084
GACO0619T172-1CRS009	L1871603-31	Lead-214	0.705		0.188	0.188	0.312	0.142	06/23/2025 21:26	WG2545084
GACO0619T172-1CRS009	L1871603-31	Thorium-234 (U-238)	2.33		1.25	1.25	2.25	0.898	06/23/2025 21:26	WG2545084
GACO0619T172-1CRS009	L1871603-31	Radium-226 (186 KeV)	1.38	J	0.908	0.908	1.60	0.743	06/23/2025 21:26	WG2545084
GACO0619T172-1CRS010	L1871603-32	Actinium-228 (Ra-228)	1.17		0.263	0.263	0.377	0.162	06/23/2025 21:23	WG2545084
GACO0619T172-1CRS010	L1871603-32	Bismuth-214 (Ra-226)	1.03		0.184	0.184	0.190	0.0834	06/23/2025 21:23	WG2545084
GACO0619T172-1CRS010	L1871603-32	Lead-214	0.873		0.147	0.147	0.207	0.0949	06/23/2025 21:23	WG2545084
GACO0619T172-1CRS010	L1871603-32	Thorium-234 (U-238)	1.61	J	0.874	0.874	1.61	0.644	06/23/2025 21:23	WG2545084
GACO0619T172-1CRS010	L1871603-32	Radium-226 (186 KeV)	1.23		0.704	0.704	1.13	0.531	06/23/2025 21:23	WG2545084
GACO0619T172-1CRS011	L1871603-33	Actinium-228 (Ra-228)	0.953		0.330	0.330	0.665	0.301	06/23/2025 21:33	WG2545084
GACO0619T172-1CRS011	L1871603-33	Bismuth-214 (Ra-226)	0.791		0.209	0.209	0.301	0.137	06/23/2025 21:33	WG2545084
GACO0619T172-1CRS011	L1871603-33	Lead-214	0.694		0.171	0.171	0.285	0.131	06/23/2025 21:33	WG2545084
GACO0619T172-1CRS011	L1871603-33	Thorium-234 (U-238)	0.730	U	1.30	1.30	2.88	1.15	06/23/2025 21:33	WG2545084
GACO0619T172-1CRS011	L1871603-33	Radium-226 (186 KeV)	1.18	J	0.910	0.910	1.54	0.721	06/23/2025 21:33	WG2545084
GACO0619T172-1CRS012	L1871603-34	Actinium-228 (Ra-228)	1.09		0.242	0.242	0.393	0.175	06/23/2025 21:46	WG2545084
GACO0619T172-1CRS012	L1871603-34	Bismuth-214 (Ra-226)	0.840		0.164	0.164	0.201	0.0909	06/23/2025 21:46	WG2545084
GACO0619T172-1CRS012	L1871603-34	Lead-214	1.06		0.180	0.180	0.191	0.0872	06/23/2025 21:46	WG2545084
GACO0619T172-1CRS012	L1871603-34	Thorium-234 (U-238)	0.762	U	1.14	1.14	2.44	0.973	06/23/2025 21:46	WG2545084
GACO0619T172-1CRS012	L1871603-34	Radium-226 (186 KeV)	1.11	J	0.717	0.717	1.29	0.609	06/23/2025 21:46	WG2545084
GACO0619T172-1CRS013	L1871603-35	Actinium-228 (Ra-228)	0.892		0.269	0.269	0.534	0.239	06/23/2025 22:23	WG2545084
GACO0619T172-1CRS013	L1871603-35	Bismuth-214 (Ra-226)	0.566		0.166	0.166	0.246	0.110	06/23/2025 22:23	WG2545084
GACO0619T172-1CRS013	L1871603-35	Lead-214	0.731		0.157	0.157	0.253	0.116	06/23/2025 22:23	WG2545084
GACO0619T172-1CRS013	L1871603-35	Thorium-234 (U-238)	1.42	J	0.906	0.906	1.92	0.773	06/23/2025 22:23	WG2545084
GACO0619T172-1CRS013	L1871603-35	Radium-226 (186 KeV)	1.06	J	0.739	0.739	1.31	0.616	06/23/2025 22:23	WG2545084

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
GACO0619T172-1CRS006	L1871603-09	Ammonia Nitrogen	17.4		11.1	1	06/25/2025 15:51	WG2544513
GACO0619T172-1CRS011	L1871603-17	Ammonia Nitrogen	25.6		10.4	1	06/23/2025 18:23	WG2544514

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
GACO0619T172-1CRS001	L1871603-01	Kjeldahl Nitrogen, TKN	4190		117	5	06/27/2025 10:55	WG2547585
GACO0619T172-1CRS002	L1871603-02	Kjeldahl Nitrogen, TKN	675		108	5	06/27/2025 11:01	WG2547585
GACO0619T172-1CRS003	L1871603-03	Kjeldahl Nitrogen, TKN	134		110	5	06/27/2025 11:03	WG2547585
GACO0619T172-1CRS004	L1871603-05	Kjeldahl Nitrogen, TKN	368		107	5	06/27/2025 11:05	WG2547585
GACO0619T172-1CRC004	L1871603-06	Kjeldahl Nitrogen, TKN	375		107	5	06/27/2025 11:07	WG2547585
GACO0619T172-1CRS005	L1871603-07	Kjeldahl Nitrogen, TKN	1730		113	5	06/27/2025 11:09	WG2547585
GACO0619T172-1CRS006	L1871603-09	Kjeldahl Nitrogen, TKN	3110		111	5	06/27/2025 11:10	WG2547585
GACO0619T172-1CRC006	L1871603-10	Kjeldahl Nitrogen, TKN	3360		111	5	06/27/2025 11:12	WG2547585
GACO0619T172-1CRS007	L1871603-11	Kjeldahl Nitrogen, TKN	3330		116	5	06/27/2025 11:14	WG2547585
GACO0619T172-1CRS008	L1871603-13	Kjeldahl Nitrogen, TKN	2270		115	5	06/27/2025 11:30	WG2547585
GACO0619T172-1CRS009	L1871603-14	Kjeldahl Nitrogen, TKN	2640		128	5	06/27/2025 11:22	WG2547585
GACO0619T172-1CRS010	L1871603-16	Kjeldahl Nitrogen, TKN	2370		120	5	06/27/2025 09:30	WG2547586
GACO0619T172-1CRS011	L1871603-17	Kjeldahl Nitrogen, TKN	650		104	5	06/27/2025 09:31	WG2547586
GACO0619T172-1CRS012	L1871603-18	Kjeldahl Nitrogen, TKN	2310		113	5	06/27/2025 09:33	WG2547586
GACO0619T172-1CRS013	L1871603-19	Kjeldahl Nitrogen, TKN	178		103	5	06/27/2025 09:35	WG2547586

Wet Chemistry by Method 9050AMod

Client ID	Lab Sample ID	Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
GACO0619T172-1CRS001	L1871603-01	Specific Conductance	1170	umhos/cm		10.0	1	06/30/2025 17:13	WG2548156
GACO0619T172-1CRS002	L1871603-02	Specific Conductance	359	umhos/cm		10.0	1	06/27/2025 23:40	WG2548101
GACO0619T172-1CRS003	L1871603-03	Specific Conductance	246	umhos/cm		10.0	1	06/27/2025 23:40	WG2548101
GACO0619T172-1CRS004	L1871603-05	Specific Conductance	213	umhos/cm		10.0	1	06/27/2025 23:40	WG2548101
GACO0619T172-1CRC004	L1871603-06	Specific Conductance	235	umhos/cm		10.0	1	06/27/2025 23:40	WG2548101
GACO0619T172-1CRS005	L1871603-07	Specific Conductance	467	umhos/cm		10.0	1	06/27/2025 23:40	WG2548101
GACO0619T172-1CRS006	L1871603-09	Specific Conductance	5290	umhos/cm		10.0	1	06/27/2025 23:40	WG2548101
GACO0619T172-1CRC006	L1871603-10	Specific Conductance	4820	umhos/cm		10.0	1	06/27/2025 23:40	WG2548101
GACO0619T172-1CRS007	L1871603-11	Specific Conductance	978	umhos/cm		10.0	1	06/27/2025 23:40	WG2548101
GACO0619T172-1CRS008	L1871603-13	Specific Conductance	502	umhos/cm		10.0	1	06/27/2025 23:40	WG2548101
GACO0619T172-1CRS009	L1871603-14	Specific Conductance	771	umhos/cm		10.0	1	06/27/2025 23:40	WG2548101

Wet Chemistry by Method 9050AMod

Client ID	Lab Sample ID	Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
GACO0619T172-1CRS010	L1871603-16	Specific Conductance	471	umhos/cm		10.0	1	06/27/2025 23:40	WG2548101
GACO0619T172-1CRS011	L1871603-17	Specific Conductance	593	umhos/cm		10.0	1	06/27/2025 23:40	WG2548101
GACO0619T172-1CRS012	L1871603-18	Specific Conductance	635	umhos/cm		10.0	1	06/27/2025 23:40	WG2548101
GACO0619T172-1CRS013	L1871603-19	Specific Conductance	592	umhos/cm		10.0	1	06/27/2025 23:40	WG2548101

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
GACO0619T172-1CRS006	L1871603-09	Nitrate-Nitrite	692		223	10	06/22/2025 02:42	WG2543944
GACO0619T172-1CRC006	L1871603-10	Nitrate-Nitrite	597		232	10.4	06/22/2025 02:56	WG2543944
GACO0619T172-1CRS008	L1871603-13	Nitrate-Nitrite	35.9		23.0	1	06/24/2025 06:06	WG2544564
GACO0619T172-1CRS012	L1871603-18	Nitrate-Nitrite	48.7		22.6	1	06/22/2025 05:11	WG2543944

Wet Chemistry by Method WALKLEY-BLACK

Client ID	Lab Sample ID	Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
GACO0619T172-1CRS001	L1871603-01	TOC By Walkley Black	36300		1000	10	06/25/2025 02:29	WG2544368
GACO0619T172-1CRS002	L1871603-02	TOC By Walkley Black	6750		200	2	06/25/2025 02:29	WG2544368
GACO0619T172-1CRS003	L1871603-03	TOC By Walkley Black	2330		100	1	06/25/2025 02:30	WG2544368
GACO0619T172-1CRS004	L1871603-05	TOC By Walkley Black	4490		100	1	06/25/2025 02:30	WG2544368
GACO0619T172-1CRC004	L1871603-06	TOC By Walkley Black	3750		200	2	06/25/2025 02:30	WG2544368
GACO0619T172-1CRS005	L1871603-07	TOC By Walkley Black	18400		500	5	06/25/2025 02:30	WG2544368
GACO0619T172-1CRS006	L1871603-09	TOC By Walkley Black	35100		500	5	06/25/2025 02:31	WG2544368
GACO0619T172-1CRC006	L1871603-10	TOC By Walkley Black	39200		500	5	06/25/2025 02:31	WG2544368
GACO0619T172-1CRS007	L1871603-11	TOC By Walkley Black	35500		500	5	06/25/2025 02:31	WG2544368
GACO0619T172-1CRS008	L1871603-13	TOC By Walkley Black	21000		400	4	06/25/2025 02:31	WG2544368
GACO0619T172-1CRS009	L1871603-14	TOC By Walkley Black	62600		4200	42	06/25/2025 02:32	WG2544368
GACO0619T172-1CRS010	L1871603-16	TOC By Walkley Black	21500		500	5	06/25/2025 02:33	WG2544368
GACO0619T172-1CRS011	L1871603-17	TOC By Walkley Black	3290		100	1	06/25/2025 02:33	WG2544368
GACO0619T172-1CRS012	L1871603-18	TOC By Walkley Black	30600		500	5	06/25/2025 02:33	WG2544368
GACO0619T172-1CRS013	L1871603-19	TOC By Walkley Black	1190		100	1	06/25/2025 02:33	WG2544368

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
GACO0619T172-1CRS001	L1871603-01	Aluminum	3990		23.4	1	06/23/2025 10:08	WG2544342
GACO0619T172-1CRS001	L1871603-01	Beryllium	0.413		0.234	1	06/23/2025 10:08	WG2544342
GACO0619T172-1CRS001	L1871603-01	Calcium	7800		117	1	06/23/2025 10:08	WG2544342
GACO0619T172-1CRS001	L1871603-01	Chromium	5.13		1.17	1	06/23/2025 10:08	WG2544342
GACO0619T172-1CRS001	L1871603-01	Cobalt	3.16		1.17	1	06/23/2025 10:08	WG2544342
GACO0619T172-1CRS001	L1871603-01	Iron	6310		11.7	1	06/23/2025 10:08	WG2544342
GACO0619T172-1CRS001	L1871603-01	Magnesium	2430		117	1	06/23/2025 10:08	WG2544342
GACO0619T172-1CRS001	L1871603-01	Manganese	282		1.17	1	06/23/2025 10:08	WG2544342
GACO0619T172-1CRS001	L1871603-01	Potassium	2610		117	1	06/23/2025 10:08	WG2544342
GACO0619T172-1CRS001	L1871603-01	Sodium	128		117	1	06/23/2025 10:08	WG2544342
GACO0619T172-1CRS001	L1871603-01	Vanadium	10.7		2.34	1	06/23/2025 10:08	WG2544342
GACO0619T172-1CRS002	L1871603-02	Aluminum	3150		21.6	1	06/23/2025 10:10	WG2544342
GACO0619T172-1CRS002	L1871603-02	Beryllium	0.318		0.216	1	06/23/2025 10:10	WG2544342
GACO0619T172-1CRS002	L1871603-02	Calcium	5890		108	1	06/23/2025 10:10	WG2544342
GACO0619T172-1CRS002	L1871603-02	Chromium	3.84		1.08	1	06/23/2025 10:10	WG2544342
GACO0619T172-1CRS002	L1871603-02	Cobalt	2.60		1.08	1	06/23/2025 10:10	WG2544342
GACO0619T172-1CRS002	L1871603-02	Iron	5090		10.8	1	06/23/2025 10:10	WG2544342
GACO0619T172-1CRS002	L1871603-02	Magnesium	1680		108	1	06/23/2025 10:10	WG2544342
GACO0619T172-1CRS002	L1871603-02	Manganese	167		1.08	1	06/23/2025 10:10	WG2544342
GACO0619T172-1CRS002	L1871603-02	Potassium	1350		108	1	06/23/2025 10:10	WG2544342
GACO0619T172-1CRS002	L1871603-02	Vanadium	9.06		2.16	1	06/23/2025 10:10	WG2544342
GACO0619T172-1CRS003	L1871603-03	Aluminum	1720		22.0	1	06/23/2025 10:11	WG2544342
GACO0619T172-1CRS003	L1871603-03	Calcium	4220		110	1	06/23/2025 10:11	WG2544342
GACO0619T172-1CRS003	L1871603-03	Chromium	3.43		1.10	1	06/23/2025 10:11	WG2544342
GACO0619T172-1CRS003	L1871603-03	Cobalt	1.40		1.10	1	06/23/2025 10:11	WG2544342
GACO0619T172-1CRS003	L1871603-03	Iron	3120		11.0	1	06/23/2025 10:11	WG2544342
GACO0619T172-1CRS003	L1871603-03	Magnesium	945		110	1	06/23/2025 10:11	WG2544342
GACO0619T172-1CRS003	L1871603-03	Manganese	82.8		1.10	1	06/23/2025 10:11	WG2544342
GACO0619T172-1CRS003	L1871603-03	Potassium	740		110	1	06/23/2025 10:11	WG2544342
GACO0619T172-1CRS003	L1871603-03	Sodium	141		110	1	06/23/2025 10:11	WG2544342
GACO0619T172-1CRS003	L1871603-03	Vanadium	6.53		2.20	1	06/23/2025 10:11	WG2544342

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
GACO0619T172-1CRS004	L1871603-05	Aluminum	1870		21.5	1	06/23/2025 10:16	WG2544342
GACO0619T172-1CRS004	L1871603-05	Calcium	1370		107	1	06/23/2025 10:16	WG2544342
GACO0619T172-1CRS004	L1871603-05	Chromium	3.44		1.07	1	06/23/2025 10:16	WG2544342
GACO0619T172-1CRS004	L1871603-05	Cobalt	1.69		1.07	1	06/23/2025 10:16	WG2544342
GACO0619T172-1CRS004	L1871603-05	Iron	3570		10.7	1	06/23/2025 10:16	WG2544342
GACO0619T172-1CRS004	L1871603-05	Magnesium	864		107	1	06/23/2025 10:16	WG2544342
GACO0619T172-1CRS004	L1871603-05	Manganese	96.4		1.07	1	06/23/2025 10:16	WG2544342
GACO0619T172-1CRS004	L1871603-05	Potassium	1040		107	1	06/23/2025 10:16	WG2544342
GACO0619T172-1CRS004	L1871603-05	Vanadium	6.15		2.15	1	06/23/2025 10:16	WG2544342
GACO0619T172-1CRC004	L1871603-06	Aluminum	2160		21.4	1	06/23/2025 10:18	WG2544342
GACO0619T172-1CRC004	L1871603-06	Calcium	1280		107	1	06/23/2025 10:18	WG2544342
GACO0619T172-1CRC004	L1871603-06	Chromium	3.62		1.07	1	06/23/2025 10:18	WG2544342
GACO0619T172-1CRC004	L1871603-06	Cobalt	1.86		1.07	1	06/23/2025 10:18	WG2544342
GACO0619T172-1CRC004	L1871603-06	Iron	4040		10.7	1	06/23/2025 10:18	WG2544342
GACO0619T172-1CRC004	L1871603-06	Magnesium	971		107	1	06/23/2025 10:18	WG2544342
GACO0619T172-1CRC004	L1871603-06	Manganese	95.6		1.07	1	06/23/2025 10:18	WG2544342
GACO0619T172-1CRC004	L1871603-06	Potassium	1190		107	1	06/23/2025 10:18	WG2544342
GACO0619T172-1CRC004	L1871603-06	Vanadium	6.40		2.14	1	06/23/2025 10:18	WG2544342
GACO0619T172-1CRS005	L1871603-07	Aluminum	6330		22.7	1	06/23/2025 10:20	WG2544342
GACO0619T172-1CRS005	L1871603-07	Beryllium	0.554		0.227	1	06/23/2025 10:20	WG2544342
GACO0619T172-1CRS005	L1871603-07	Calcium	6190		113	1	06/23/2025 10:20	WG2544342
GACO0619T172-1CRS005	L1871603-07	Chromium	6.97		1.13	1	06/23/2025 10:20	WG2544342
GACO0619T172-1CRS005	L1871603-07	Cobalt	4.89		1.13	1	06/23/2025 10:20	WG2544342
GACO0619T172-1CRS005	L1871603-07	Iron	8800		11.3	1	06/23/2025 10:20	WG2544342
GACO0619T172-1CRS005	L1871603-07	Magnesium	2820		113	1	06/23/2025 10:20	WG2544342
GACO0619T172-1CRS005	L1871603-07	Manganese	293		1.13	1	06/23/2025 10:20	WG2544342
GACO0619T172-1CRS005	L1871603-07	Potassium	3150		113	1	06/23/2025 10:20	WG2544342
GACO0619T172-1CRS005	L1871603-07	Vanadium	15.9		2.27	1	06/23/2025 10:20	WG2544342

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
GACO0619T172-1CRS006	L1871603-09	Aluminum	4270		22.3	1	06/23/2025 10:21	WG2544342
GACO0619T172-1CRS006	L1871603-09	Beryllium	0.446		0.223	1	06/23/2025 10:21	WG2544342
GACO0619T172-1CRS006	L1871603-09	Calcium	9370		111	1	06/23/2025 10:21	WG2544342
GACO0619T172-1CRS006	L1871603-09	Chromium	5.65		1.11	1	06/23/2025 10:21	WG2544342
GACO0619T172-1CRS006	L1871603-09	Cobalt	3.76		1.11	1	06/23/2025 10:21	WG2544342
GACO0619T172-1CRS006	L1871603-09	Iron	6490		11.1	1	06/23/2025 10:21	WG2544342
GACO0619T172-1CRS006	L1871603-09	Magnesium	2860		111	1	06/23/2025 10:21	WG2544342
GACO0619T172-1CRS006	L1871603-09	Manganese	273		1.11	1	06/23/2025 10:21	WG2544342
GACO0619T172-1CRS006	L1871603-09	Potassium	2990		111	1	06/23/2025 10:21	WG2544342
GACO0619T172-1CRS006	L1871603-09	Sodium	397		111	1	06/23/2025 10:21	WG2544342
GACO0619T172-1CRS006	L1871603-09	Vanadium	11.5		2.23	1	06/23/2025 10:21	WG2544342
GACO0619T172-1CRC006	L1871603-10	Aluminum	3540		22.3	1	06/23/2025 10:23	WG2544342
GACO0619T172-1CRC006	L1871603-10	Beryllium	0.445		0.223	1	06/23/2025 10:23	WG2544342
GACO0619T172-1CRC006	L1871603-10	Calcium	8760		111	1	06/23/2025 10:23	WG2544342
GACO0619T172-1CRC006	L1871603-10	Chromium	4.75		1.11	1	06/23/2025 10:23	WG2544342
GACO0619T172-1CRC006	L1871603-10	Cobalt	3.47		1.11	1	06/23/2025 10:23	WG2544342
GACO0619T172-1CRC006	L1871603-10	Iron	6350		11.1	1	06/23/2025 10:23	WG2544342
GACO0619T172-1CRC006	L1871603-10	Magnesium	2490		111	1	06/23/2025 10:23	WG2544342
GACO0619T172-1CRC006	L1871603-10	Manganese	267		1.11	1	06/23/2025 10:23	WG2544342
GACO0619T172-1CRC006	L1871603-10	Potassium	2710		111	1	06/23/2025 10:23	WG2544342
GACO0619T172-1CRC006	L1871603-10	Sodium	370		111	1	06/23/2025 10:23	WG2544342
GACO0619T172-1CRC006	L1871603-10	Vanadium	11.9		2.23	1	06/23/2025 10:23	WG2544342
GACO0619T172-1CRS007	L1871603-11	Aluminum	4030		23.2	1	06/23/2025 10:25	WG2544342
GACO0619T172-1CRS007	L1871603-11	Beryllium	0.434		0.232	1	06/23/2025 10:25	WG2544342
GACO0619T172-1CRS007	L1871603-11	Calcium	7460		116	1	06/23/2025 10:25	WG2544342
GACO0619T172-1CRS007	L1871603-11	Chromium	5.37		1.16	1	06/23/2025 10:25	WG2544342
GACO0619T172-1CRS007	L1871603-11	Cobalt	3.51		1.16	1	06/23/2025 10:25	WG2544342
GACO0619T172-1CRS007	L1871603-11	Iron	6060		11.6	1	06/23/2025 10:25	WG2544342
GACO0619T172-1CRS007	L1871603-11	Magnesium	2490		116	1	06/23/2025 10:25	WG2544342
GACO0619T172-1CRS007	L1871603-11	Manganese	270		1.16	1	06/23/2025 10:25	WG2544342
GACO0619T172-1CRS007	L1871603-11	Potassium	3260		116	1	06/23/2025 10:25	WG2544342
GACO0619T172-1CRS007	L1871603-11	Sodium	131		116	1	06/23/2025 10:25	WG2544342
GACO0619T172-1CRS007	L1871603-11	Vanadium	11.3		2.32	1	06/23/2025 10:25	WG2544342

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
GACO0619T172-1CRS008	L1871603-13	Aluminum	5780	V	23.0	1	06/23/2025 10:00	WG2544342
GACO0619T172-1CRS008	L1871603-13	Beryllium	0.569		0.230	1	06/23/2025 10:00	WG2544342
GACO0619T172-1CRS008	L1871603-13	Calcium	10800	O1	115	1	06/23/2025 10:00	WG2544342
GACO0619T172-1CRS008	L1871603-13	Chromium	7.36		1.15	1	06/23/2025 10:00	WG2544342
GACO0619T172-1CRS008	L1871603-13	Cobalt	4.62		1.15	1	06/23/2025 10:00	WG2544342
GACO0619T172-1CRS008	L1871603-13	Iron	8550	O1 V	11.5	1	06/23/2025 10:00	WG2544342
GACO0619T172-1CRS008	L1871603-13	Magnesium	3210	J6	115	1	06/23/2025 10:00	WG2544342
GACO0619T172-1CRS008	L1871603-13	Manganese	305		1.15	1	06/23/2025 10:00	WG2544342
GACO0619T172-1CRS008	L1871603-13	Potassium	2790	J6	115	1	06/23/2025 10:00	WG2544342
GACO0619T172-1CRS008	L1871603-13	Sodium	210		115	1	06/23/2025 10:00	WG2544342
GACO0619T172-1CRS008	L1871603-13	Vanadium	15.2		2.30	1	06/23/2025 10:00	WG2544342
GACO0619T172-1CRS009	L1871603-14	Aluminum	4040		25.6	1	06/23/2025 10:26	WG2544342
GACO0619T172-1CRS009	L1871603-14	Beryllium	0.431		0.256	1	06/23/2025 10:26	WG2544342
GACO0619T172-1CRS009	L1871603-14	Calcium	6670		128	1	06/23/2025 10:26	WG2544342
GACO0619T172-1CRS009	L1871603-14	Chromium	5.09		1.28	1	06/23/2025 10:26	WG2544342
GACO0619T172-1CRS009	L1871603-14	Cobalt	3.61		1.28	1	06/23/2025 10:26	WG2544342
GACO0619T172-1CRS009	L1871603-14	Iron	6250		12.8	1	06/23/2025 10:26	WG2544342
GACO0619T172-1CRS009	L1871603-14	Magnesium	2300		128	1	06/23/2025 10:26	WG2544342
GACO0619T172-1CRS009	L1871603-14	Manganese	278		1.28	1	06/23/2025 10:26	WG2544342
GACO0619T172-1CRS009	L1871603-14	Potassium	2570		128	1	06/23/2025 10:26	WG2544342
GACO0619T172-1CRS009	L1871603-14	Vanadium	11.3		2.56	1	06/23/2025 10:26	WG2544342
GACO0619T172-1CRS010	L1871603-16	Aluminum	6220		24.0	1	06/23/2025 10:28	WG2544342
GACO0619T172-1CRS010	L1871603-16	Beryllium	0.640		0.240	1	06/23/2025 10:28	WG2544342
GACO0619T172-1CRS010	L1871603-16	Calcium	9190		120	1	06/23/2025 10:28	WG2544342
GACO0619T172-1CRS010	L1871603-16	Chromium	7.69		1.20	1	06/23/2025 10:28	WG2544342
GACO0619T172-1CRS010	L1871603-16	Cobalt	5.17		1.20	1	06/23/2025 10:28	WG2544342
GACO0619T172-1CRS010	L1871603-16	Iron	9950		12.0	1	06/23/2025 10:28	WG2544342
GACO0619T172-1CRS010	L1871603-16	Magnesium	3220		120	1	06/23/2025 10:28	WG2544342
GACO0619T172-1CRS010	L1871603-16	Manganese	371		1.20	1	06/23/2025 10:28	WG2544342
GACO0619T172-1CRS010	L1871603-16	Potassium	2830		120	1	06/23/2025 10:28	WG2544342
GACO0619T172-1CRS010	L1871603-16	Sodium	144		120	1	06/23/2025 10:28	WG2544342
GACO0619T172-1CRS010	L1871603-16	Vanadium	17.8		2.40	1	06/23/2025 10:28	WG2544342

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
GACO0619T172-1CRS011	L1871603-17	Aluminum	1150		20.8	1	06/23/2025 10:30	WG2544342
GACO0619T172-1CRS011	L1871603-17	Calcium	998		104	1	06/23/2025 10:30	WG2544342
GACO0619T172-1CRS011	L1871603-17	Chromium	1.79		1.04	1	06/23/2025 10:30	WG2544342
GACO0619T172-1CRS011	L1871603-17	Cobalt	1.06		1.04	1	06/23/2025 10:30	WG2544342
GACO0619T172-1CRS011	L1871603-17	Iron	2520		10.4	1	06/23/2025 10:30	WG2544342
GACO0619T172-1CRS011	L1871603-17	Magnesium	525		104	1	06/23/2025 10:30	WG2544342
GACO0619T172-1CRS011	L1871603-17	Manganese	56.8		1.04	1	06/23/2025 10:30	WG2544342
GACO0619T172-1CRS011	L1871603-17	Potassium	632		104	1	06/23/2025 10:30	WG2544342
GACO0619T172-1CRS011	L1871603-17	Vanadium	4.39		2.08	1	06/23/2025 10:30	WG2544342
GACO0619T172-1CRS012	L1871603-18	Aluminum	6020		22.6	1	06/23/2025 10:32	WG2544342
GACO0619T172-1CRS012	L1871603-18	Beryllium	0.596		0.226	1	06/23/2025 10:32	WG2544342
GACO0619T172-1CRS012	L1871603-18	Calcium	11700		113	1	06/23/2025 10:32	WG2544342
GACO0619T172-1CRS012	L1871603-18	Chromium	7.53		1.13	1	06/23/2025 10:32	WG2544342
GACO0619T172-1CRS012	L1871603-18	Cobalt	4.90		1.13	1	06/23/2025 10:32	WG2544342
GACO0619T172-1CRS012	L1871603-18	Iron	8420		11.3	1	06/23/2025 10:32	WG2544342
GACO0619T172-1CRS012	L1871603-18	Magnesium	3530		113	1	06/23/2025 10:32	WG2544342
GACO0619T172-1CRS012	L1871603-18	Manganese	314		1.13	1	06/23/2025 10:32	WG2544342
GACO0619T172-1CRS012	L1871603-18	Potassium	2500		113	1	06/23/2025 10:32	WG2544342
GACO0619T172-1CRS012	L1871603-18	Sodium	204		113	1	06/23/2025 10:32	WG2544342
GACO0619T172-1CRS012	L1871603-18	Vanadium	14.4		2.26	1	06/23/2025 10:32	WG2544342
GACO0619T172-1CRS013	L1871603-19	Aluminum	1770		20.6	1	06/23/2025 09:51	WG2544342
GACO0619T172-1CRS013	L1871603-19	Calcium	2960		103	1	06/23/2025 09:51	WG2544342
GACO0619T172-1CRS013	L1871603-19	Chromium	2.57		1.03	1	06/23/2025 09:51	WG2544342
GACO0619T172-1CRS013	L1871603-19	Cobalt	1.51		1.03	1	06/23/2025 09:51	WG2544342
GACO0619T172-1CRS013	L1871603-19	Iron	3800		10.3	1	06/23/2025 09:51	WG2544342
GACO0619T172-1CRS013	L1871603-19	Magnesium	1120		103	1	06/23/2025 09:51	WG2544342
GACO0619T172-1CRS013	L1871603-19	Manganese	98.5		1.03	1	06/23/2025 09:51	WG2544342
GACO0619T172-1CRS013	L1871603-19	Potassium	836		103	1	06/23/2025 09:51	WG2544342
GACO0619T172-1CRS013	L1871603-19	Sodium	233		103	1	06/23/2025 09:51	WG2544342
GACO0619T172-1CRS013	L1871603-19	Vanadium	6.73		2.06	1	06/23/2025 09:51	WG2544342

Metals (ICP) by Method 6010D (S-7.10)

Client ID	Lab Sample ID	Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
GACO0619T172-1CRS001	L1871603-01	Hot Water Sol. Boron	0.488		0.100	1	06/26/2025 15:09	WG2546151

Metals (ICP) by Method 6010D (S-7.10)

Client ID	Lab Sample ID	Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
GACO0619T172-1CRS002	L1871603-02	Hot Water Sol. Boron	0.373		0.100	1	06/27/2025 16:26	WG2548045
GACO0619T172-1CRS003	L1871603-03	Hot Water Sol. Boron	0.356		0.100	1	06/27/2025 16:29	WG2548045
GACO0619T172-1CRS004	L1871603-05	Hot Water Sol. Boron	0.218		0.100	1	06/27/2025 16:32	WG2548045
GACO0619T172-1CRC004	L1871603-06	Hot Water Sol. Boron	0.363		0.100	1	06/27/2025 16:35	WG2548045
GACO0619T172-1CRS005	L1871603-07	Hot Water Sol. Boron	0.546		0.100	1	06/27/2025 16:38	WG2548045
GACO0619T172-1CRS006	L1871603-09	Hot Water Sol. Boron	1.70		0.100	1	06/27/2025 18:55	WG2548045
GACO0619T172-1CRC006	L1871603-10	Hot Water Sol. Boron	1.41		0.100	1	06/27/2025 18:58	WG2548045
GACO0619T172-1CRS007	L1871603-11	Hot Water Sol. Boron	1.05		0.100	1	06/27/2025 17:42	WG2548045
GACO0619T172-1CRS008	L1871603-13	Hot Water Sol. Boron	0.875		0.100	1	06/27/2025 17:45	WG2548045
GACO0619T172-1CRS009	L1871603-14	Hot Water Sol. Boron	1.23		0.100	1	06/27/2025 17:48	WG2548045
GACO0619T172-1CRS010	L1871603-16	Hot Water Sol. Boron	1.65		0.100	1	06/27/2025 17:51	WG2548045
GACO0619T172-1CRS011	L1871603-17	Hot Water Sol. Boron	0.170		0.100	1	06/27/2025 17:54	WG2548045
GACO0619T172-1CRS012	L1871603-18	Hot Water Sol. Boron	1.59		0.100	1	06/27/2025 17:57	WG2548045
GACO0619T172-1CRS013	L1871603-19	Hot Water Sol. Boron	0.695		0.100	1	06/27/2025 18:00	WG2548045

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
GACO0619T172-1CRS001	L1871603-01	Arsenic	2.19		0.117	5	06/23/2025 21:06	WG2544351
GACO0619T172-1CRS001	L1871603-01	Barium	62.3		11.7	5	06/23/2025 21:06	WG2544351
GACO0619T172-1CRS001	L1871603-01	Cadmium	0.303		0.117	5	06/23/2025 21:06	WG2544351
GACO0619T172-1CRS001	L1871603-01	Selenium	0.644		0.117	5	06/23/2025 21:06	WG2544351
GACO0619T172-1CRS002	L1871603-02	Arsenic	1.92		0.108	5	06/23/2025 21:09	WG2544351
GACO0619T172-1CRS002	L1871603-02	Barium	42.6		10.8	5	06/23/2025 21:09	WG2544351
GACO0619T172-1CRS002	L1871603-02	Cadmium	0.136		0.108	5	06/23/2025 21:09	WG2544351
GACO0619T172-1CRS002	L1871603-02	Selenium	0.365		0.108	5	06/23/2025 21:09	WG2544351
GACO0619T172-1CRS003	L1871603-03	Arsenic	1.31		0.110	5	06/23/2025 21:12	WG2544351
GACO0619T172-1CRS003	L1871603-03	Barium	21.2		11.0	5	06/23/2025 21:12	WG2544351
GACO0619T172-1CRS003	L1871603-03	Lead	31.6		11.0	5	06/23/2025 21:12	WG2544351
GACO0619T172-1CRS003	L1871603-03	Selenium	0.195		0.110	5	06/23/2025 21:12	WG2544351
GACO0619T172-1CRS004	L1871603-05	Arsenic	1.14		0.107	5	06/23/2025 21:24	WG2544351
GACO0619T172-1CRS004	L1871603-05	Barium	21.0		10.7	5	06/23/2025 21:24	WG2544351
GACO0619T172-1CRS004	L1871603-05	Selenium	0.206		0.107	5	06/23/2025 21:24	WG2544351

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
GACO0619T172-1CRC004	L1871603-06	Arsenic	1.24		0.107	5	06/23/2025 21:27	WG2544351
GACO0619T172-1CRC004	L1871603-06	Barium	25.5		10.7	5	06/23/2025 21:27	WG2544351
GACO0619T172-1CRC004	L1871603-06	Selenium	0.225		0.107	5	06/23/2025 21:27	WG2544351
GACO0619T172-1CRS005	L1871603-07	Arsenic	3.27		0.113	5	06/23/2025 21:30	WG2544351
GACO0619T172-1CRS005	L1871603-07	Barium	82.3		11.3	5	06/23/2025 21:30	WG2544351
GACO0619T172-1CRS005	L1871603-07	Cadmium	0.252		0.113	5	06/23/2025 21:30	WG2544351
GACO0619T172-1CRS005	L1871603-07	Selenium	0.516		0.113	5	06/23/2025 21:30	WG2544351
GACO0619T172-1CRS006	L1871603-09	Arsenic	2.71		0.111	5	06/23/2025 22:13	WG2544351
GACO0619T172-1CRS006	L1871603-09	Barium	72.1		11.1	5	06/23/2025 22:13	WG2544351
GACO0619T172-1CRS006	L1871603-09	Cadmium	0.330		0.111	5	06/23/2025 22:13	WG2544351
GACO0619T172-1CRS006	L1871603-09	Copper	13.4		11.1	5	06/23/2025 22:13	WG2544351
GACO0619T172-1CRS006	L1871603-09	Lead	13.9		11.1	5	06/23/2025 22:13	WG2544351
GACO0619T172-1CRS006	L1871603-09	Selenium	0.570		0.111	5	06/23/2025 22:13	WG2544351
GACO0619T172-1CRS006	L1871603-09	Zinc	76.3		55.7	5	06/23/2025 22:13	WG2544351
GACO0619T172-1CRC006	L1871603-10	Arsenic	2.30		0.111	5	06/23/2025 21:37	WG2544351
GACO0619T172-1CRC006	L1871603-10	Barium	62.3		11.1	5	06/23/2025 21:37	WG2544351
GACO0619T172-1CRC006	L1871603-10	Cadmium	0.304		0.111	5	06/23/2025 21:37	WG2544351
GACO0619T172-1CRC006	L1871603-10	Selenium	0.545		0.111	5	06/23/2025 21:37	WG2544351
GACO0619T172-1CRC006	L1871603-10	Zinc	65.5		55.7	5	06/23/2025 21:37	WG2544351
GACO0619T172-1CRS007	L1871603-11	Arsenic	2.16		0.116	5	06/23/2025 21:40	WG2544351
GACO0619T172-1CRS007	L1871603-11	Barium	70.7		11.6	5	06/23/2025 21:40	WG2544351
GACO0619T172-1CRS007	L1871603-11	Cadmium	0.251		0.116	5	06/23/2025 21:40	WG2544351
GACO0619T172-1CRS007	L1871603-11	Selenium	0.429		0.116	5	06/23/2025 21:40	WG2544351
GACO0619T172-1CRS008	L1871603-13	Arsenic	3.44		0.115	5	06/23/2025 20:49	WG2544351
GACO0619T172-1CRS008	L1871603-13	Barium	93.5		11.5	5	06/23/2025 20:49	WG2544351
GACO0619T172-1CRS008	L1871603-13	Cadmium	0.390		0.115	5	06/23/2025 20:49	WG2544351
GACO0619T172-1CRS008	L1871603-13	Copper	13.4		11.5	5	06/23/2025 20:49	WG2544351
GACO0619T172-1CRS008	L1871603-13	Lead	22.0		11.5	5	06/23/2025 20:49	WG2544351
GACO0619T172-1CRS008	L1871603-13	Selenium	0.599		0.115	5	06/23/2025 20:49	WG2544351
GACO0619T172-1CRS008	L1871603-13	Zinc	65.9		57.6	5	06/23/2025 20:49	WG2544351
GACO0619T172-1CRS009	L1871603-14	Arsenic	2.15		0.128	5	06/23/2025 21:44	WG2544351
GACO0619T172-1CRS009	L1871603-14	Barium	64.3		12.8	5	06/23/2025 21:44	WG2544351
GACO0619T172-1CRS009	L1871603-14	Cadmium	0.249		0.128	5	06/23/2025 21:44	WG2544351
GACO0619T172-1CRS009	L1871603-14	Selenium	0.515		0.128	5	06/23/2025 21:44	WG2544351

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
GACO0619T172-1CRS010	L1871603-16	Arsenic	3.52		0.120	5	06/23/2025 21:47	WG2544351
GACO0619T172-1CRS010	L1871603-16	Barium	94.0		12.0	5	06/23/2025 21:47	WG2544351
GACO0619T172-1CRS010	L1871603-16	Cadmium	0.382		0.120	5	06/23/2025 21:47	WG2544351
GACO0619T172-1CRS010	L1871603-16	Lead	17.1		12.0	5	06/23/2025 21:47	WG2544351
GACO0619T172-1CRS010	L1871603-16	Selenium	0.714		0.120	5	06/23/2025 21:47	WG2544351
GACO0619T172-1CRS010	L1871603-16	Zinc	74.8		60.1	5	06/23/2025 21:47	WG2544351
GACO0619T172-1CRS011	L1871603-17	Arsenic	0.999		0.104	5	06/23/2025 21:50	WG2544351
GACO0619T172-1CRS011	L1871603-17	Barium	19.9		10.4	5	06/23/2025 21:50	WG2544351
GACO0619T172-1CRS011	L1871603-17	Selenium	0.218		0.104	5	06/23/2025 21:50	WG2544351
GACO0619T172-1CRS012	L1871603-18	Arsenic	3.27		0.113	5	06/23/2025 21:54	WG2544351
GACO0619T172-1CRS012	L1871603-18	Barium	96.8		11.3	5	06/23/2025 21:54	WG2544351
GACO0619T172-1CRS012	L1871603-18	Cadmium	0.388		0.113	5	06/23/2025 21:54	WG2544351
GACO0619T172-1CRS012	L1871603-18	Lead	20.3		11.3	5	06/23/2025 21:54	WG2544351
GACO0619T172-1CRS012	L1871603-18	Selenium	0.667		0.113	5	06/23/2025 21:54	WG2544351
GACO0619T172-1CRS012	L1871603-18	Zinc	83.7		56.5	5	06/23/2025 21:54	WG2544351
GACO0619T172-1CRS013	L1871603-19	Arsenic	1.44		0.103	5	06/23/2025 22:07	WG2544351
GACO0619T172-1CRS013	L1871603-19	Barium	23.9		10.3	5	06/23/2025 22:07	WG2544351
GACO0619T172-1CRS013	L1871603-19	Lead	10.4		10.3	5	06/23/2025 22:07	WG2544351
GACO0619T172-1CRS013	L1871603-19	Selenium	0.189		0.103	5	06/23/2025 22:07	WG2544351

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
GACO0619T172-1CRS001	L1871603-01	C28-C36 Motor Oil Range	298		46.7	10	06/30/2025 13:50	WG2547464
GACO0619T172-1CRS002	L1871603-02	C28-C36 Motor Oil Range	6.62		4.31	1	06/30/2025 11:20	WG2547464
GACO0619T172-1CRS003	L1871603-03	C28-C36 Motor Oil Range	91.0		44.0	10	06/30/2025 18:17	WG2547464
GACO0619T172-1CRS004	L1871603-05	C10-C28 Diesel Range	4.96		4.29	1	06/30/2025 11:48	WG2547464
GACO0619T172-1CRS004	L1871603-05	C28-C36 Motor Oil Range	18.7		4.29	1	06/30/2025 11:48	WG2547464
GACO0619T172-1CRC004	L1871603-06	C28-C36 Motor Oil Range	16.8		4.28	1	06/30/2025 12:59	WG2547464
GACO0619T172-1CRS005	L1871603-07	C10-C28 Diesel Range	12.7		4.54	1	06/30/2025 11:48	WG2547464
GACO0619T172-1CRS005	L1871603-07	C28-C36 Motor Oil Range	77.8		4.54	1	06/30/2025 11:48	WG2547464
GACO0619T172-1CRS006	L1871603-09	C28-C36 Motor Oil Range	336		44.6	10	06/30/2025 18:31	WG2547464
GACO0619T172-1CRC006	L1871603-10	C28-C36 Motor Oil Range	159		44.6	10	06/30/2025 13:50	WG2547464
GACO0619T172-1CRS007	L1871603-11	C10-C28 Diesel Range	24.0		4.64	1	06/28/2025 06:47	WG2547465
GACO0619T172-1CRS007	L1871603-11	C28-C36 Motor Oil Range	229		46.4	10	06/30/2025 15:03	WG2547465

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
GACO0619T172-1CRS008	L1871603-13	C28-C36 Motor Oil Range	75.6		23.0	5	06/28/2025 07:29	WG2547465
GACO0619T172-1CRS009	L1871603-14	C10-C28 Diesel Range	13.1		5.12	1	06/28/2025 04:54	WG2547465
GACO0619T172-1CRS009	L1871603-14	C28-C36 Motor Oil Range	104		5.12	1	06/28/2025 04:54	WG2547465
GACO0619T172-1CRS010	L1871603-16	C10-C28 Diesel Range	15.1		4.81	1	06/28/2025 05:51	WG2547465
GACO0619T172-1CRS010	L1871603-16	C28-C36 Motor Oil Range	80.3		4.81	1	06/28/2025 05:51	WG2547465
GACO0619T172-1CRS011	L1871603-17	C10-C28 Diesel Range	7.42		4.15	1	06/28/2025 05:37	WG2547465
GACO0619T172-1CRS011	L1871603-17	C28-C36 Motor Oil Range	31.3		4.15	1	06/28/2025 05:37	WG2547465
GACO0619T172-1CRS012	L1871603-18	C10-C28 Diesel Range	7.50		4.52	1	06/28/2025 03:44	WG2547465
GACO0619T172-1CRS012	L1871603-18	C28-C36 Motor Oil Range	40.8		4.52	1	06/28/2025 03:44	WG2547465
GACO0619T172-1CRS013	L1871603-19	C28-C36 Motor Oil Range	14.9		4.12	1	06/28/2025 06:33	WG2547465

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
GACO0619T172-1CRS003	L1871603-03	Benzo(a)anthracene	0.0132		0.00660	1	07/01/2025 07:44	WG2549212
GACO0619T172-1CRS003	L1871603-03	Benzo(b)fluoranthene	0.0460		0.0363	1	07/01/2025 07:44	WG2549212
GACO0619T172-1CRS003	L1871603-03	Benzo(g,h,i)perylene	0.0459		0.0363	1	07/01/2025 07:44	WG2549212
GACO0619T172-1CRS003	L1871603-03	Indeno(1,2,3-cd)pyrene	0.0372		0.0363	1	07/01/2025 07:44	WG2549212
GACO0619T172-1CRS006	L1871603-09	Naphthalene	0.00443		0.00334	1	06/26/2025 23:43	WG2547085
GACO0619T172-1CRC006	L1871603-10	Benzo(a)anthracene	0.0175		0.00668	1	06/30/2025 21:41	WG2549212
GACO0619T172-1CRS007	L1871603-11	Benzo(a)anthracene	0.0617		0.00695	1	06/30/2025 21:58	WG2549212
GACO0619T172-1CRS007	L1871603-11	Benzo(a)pyrene	0.0892		0.0382	1	06/30/2025 21:58	WG2549212
GACO0619T172-1CRS007	L1871603-11	Benzo(b)fluoranthene	0.114		0.0382	1	06/30/2025 21:58	WG2549212
GACO0619T172-1CRS007	L1871603-11	Benzo(g,h,i)perylene	0.0653		0.0382	1	06/30/2025 21:58	WG2549212
GACO0619T172-1CRS007	L1871603-11	Chrysene	0.0868		0.0382	1	06/30/2025 21:58	WG2549212
GACO0619T172-1CRS007	L1871603-11	Fluoranthene	0.136		0.0382	1	06/30/2025 21:58	WG2549212
GACO0619T172-1CRS007	L1871603-11	Indeno(1,2,3-cd)pyrene	0.0664		0.0382	1	06/30/2025 21:58	WG2549212
GACO0619T172-1CRS007	L1871603-11	Pyrene	0.103		0.0382	1	06/30/2025 21:58	WG2549212
GACO0619T172-1CRS008	L1871603-13	Benzo(a)anthracene	0.00848		0.00691	1	06/30/2025 22:58	WG2549212
GACO0619T172-1CRS010	L1871603-16	Benzo(a)anthracene	0.0148		0.00721	1	07/01/2025 00:09	WG2549212
GACO0619T172-1CRS010	L1871603-16	Fluoranthene	0.0439		0.0396	1	07/01/2025 00:09	WG2549212
GACO0619T172-1CRS012	L1871603-18	Benzo(a)anthracene	0.0221		0.00678	1	06/27/2025 18:07	WG2547470
GACO0619T172-1CRS012	L1871603-18	Fluoranthene	0.0382		0.0373	1	06/27/2025 18:07	WG2547470

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.830		1	06/27/2025 02:35	WG2546135

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	4210		23.4	1	06/27/2025 10:55	WG2543944

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.6		1	06/20/2025 15:26	WG2543244

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11.7	1	06/25/2025 15:40	WG2544513

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	4190		117	5	06/27/2025 10:55	WG2547585

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.234	1	06/27/2025 14:22	WG2544394

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.49		1	06/28/2025 09:03	WG2548151

Sample Narrative:

L1871603-01 WG2548151: 7.49 at 21.3C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1170	umhos/cm		10.0	1	06/30/2025 17:13	WG2548156

Sample Narrative:

L1871603-01 WG2548156: 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		23.4	1	06/22/2025 01:16	WG2543944

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	36300		1000	10	06/25/2025 02:29	WG2544368

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	3990		23.4	1	06/23/2025 10:08	WG2544342
Antimony	ND		2.34	1	06/23/2025 10:08	WG2544342
Beryllium	0.413		0.234	1	06/23/2025 10:08	WG2544342
Calcium	7800		117	1	06/23/2025 10:08	WG2544342
Chromium	5.13		1.17	1	06/23/2025 10:08	WG2544342
Cobalt	3.16		1.17	1	06/23/2025 10:08	WG2544342
Iron	6310		11.7	1	06/23/2025 10:08	WG2544342
Magnesium	2430		117	1	06/23/2025 10:08	WG2544342
Manganese	282		1.17	1	06/23/2025 10:08	WG2544342
Potassium	2610		117	1	06/23/2025 10:08	WG2544342
Sodium	128		117	1	06/23/2025 10:08	WG2544342
Thallium	ND		2.34	1	06/23/2025 10:08	WG2544342
Vanadium	10.7		2.34	1	06/23/2025 10:08	WG2544342

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.488		0.100	1	06/26/2025 15:09	WG2546151

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.19		0.117	5	06/23/2025 21:06	WG2544351
Barium	62.3		11.7	5	06/23/2025 21:06	WG2544351
Cadmium	0.303		0.117	5	06/23/2025 21:06	WG2544351
Copper	ND		11.7	5	06/23/2025 21:06	WG2544351
Lead	ND		11.7	5	06/23/2025 21:06	WG2544351
Nickel	ND		11.7	5	06/23/2025 21:06	WG2544351
Selenium	0.644		0.117	5	06/23/2025 21:06	WG2544351
Silver	ND		0.584	5	06/23/2025 21:06	WG2544351
Zinc	ND		58.4	5	06/23/2025 21:06	WG2544351

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		3.34	25	06/21/2025 01:28	WG2543487
(S) a,a,a-Trifluorotoluene(FID)	*96.6*		*77.0-120*		*06/21/2025 01:28*	WG2543487

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	0.0668	1	06/21/2025 06:01	WG2543444
Acrylonitrile	ND		0.0167	1	06/21/2025 06:01	WG2543444
Benzene	ND		0.00134	1	06/21/2025 06:01	WG2543444
Bromobenzene	ND		0.0167	1	06/21/2025 06:01	WG2543444
Bromodichloromethane	ND		0.00334	1	06/21/2025 06:01	WG2543444
Bromoform	ND		0.0334	1	06/21/2025 06:01	WG2543444
Bromomethane	ND		0.0167	1	06/21/2025 06:01	WG2543444
n-Butylbenzene	ND		0.0167	1	06/21/2025 06:01	WG2543444
sec-Butylbenzene	ND		0.0167	1	06/21/2025 06:01	WG2543444
tert-Butylbenzene	ND		0.00668	1	06/21/2025 06:01	WG2543444
Carbon tetrachloride	ND		0.00668	1	06/21/2025 06:01	WG2543444
Chlorobenzene	ND		0.00334	1	06/21/2025 06:01	WG2543444
Chlorodibromomethane	ND		0.00334	1	06/21/2025 06:01	WG2543444

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		0.00668	1	06/21/2025 06:01	WG2543444
Chloroform	ND		0.00334	1	06/21/2025 06:01	WG2543444
Chloromethane	ND		0.0167	1	06/21/2025 06:01	WG2543444
2-Chlorotoluene	ND		0.00334	1	06/21/2025 06:01	WG2543444
4-Chlorotoluene	ND		0.00668	1	06/21/2025 06:01	WG2543444
1,2-Dibromo-3-Chloropropane	ND		0.0334	1	06/21/2025 06:01	WG2543444
1,2-Dibromoethane	ND		0.00334	1	06/21/2025 06:01	WG2543444
Dibromomethane	ND		0.00668	1	06/21/2025 06:01	WG2543444
1,2-Dichlorobenzene	ND		0.00668	1	06/21/2025 06:01	WG2543444
1,3-Dichlorobenzene	ND		0.00668	1	06/21/2025 06:01	WG2543444
1,4-Dichlorobenzene	ND		0.00668	1	06/21/2025 06:01	WG2543444
Dichlorodifluoromethane	ND		0.00668	1	06/21/2025 06:01	WG2543444
1,1-Dichloroethane	ND		0.00334	1	06/21/2025 06:01	WG2543444
1,2-Dichloroethane	ND		0.00334	1	06/21/2025 06:01	WG2543444
1,1-Dichloroethene	ND		0.00334	1	06/21/2025 06:01	WG2543444
cis-1,2-Dichloroethene	ND		0.00334	1	06/21/2025 06:01	WG2543444
trans-1,2-Dichloroethene	ND		0.00668	1	06/21/2025 06:01	WG2543444
1,2-Dichloropropane	ND		0.00668	1	06/21/2025 06:01	WG2543444
1,1-Dichloropropene	ND		0.00334	1	06/21/2025 06:01	WG2543444
1,3-Dichloropropane	ND		0.00668	1	06/21/2025 06:01	WG2543444
cis-1,3-Dichloropropene	ND		0.00334	1	06/21/2025 06:01	WG2543444
trans-1,3-Dichloropropene	ND		0.00668	1	06/21/2025 06:01	WG2543444
2,2-Dichloropropane	ND		0.00334	1	06/21/2025 06:01	WG2543444
Di-isopropyl ether	ND		0.00134	1	06/21/2025 06:01	WG2543444
Ethylbenzene	ND		0.0134	1	06/21/2025 06:01	WG2543444
Hexachloro-1,3-butadiene	ND	C3	0.0334	1	06/21/2025 06:01	WG2543444
Isopropylbenzene	ND		0.00334	1	06/21/2025 06:01	WG2543444
p-Isopropyltoluene	ND		0.00668	1	06/21/2025 06:01	WG2543444
2-Butanone (MEK)	ND		0.134	1	06/21/2025 06:01	WG2543444
Methylene Chloride	ND		0.0334	1	06/21/2025 06:01	WG2543444
4-Methyl-2-pentanone (MIBK)	ND		0.0334	1	06/21/2025 06:01	WG2543444
Methyl tert-butyl ether	ND		0.00134	1	06/21/2025 06:01	WG2543444
n-Propylbenzene	ND		0.00668	1	06/21/2025 06:01	WG2543444
Styrene	ND		0.0167	1	06/21/2025 06:01	WG2543444
1,1,1,2-Tetrachloroethane	ND		0.00334	1	06/21/2025 06:01	WG2543444
1,1,2,2-Tetrachloroethane	ND		0.00334	1	06/21/2025 06:01	WG2543444
1,1,2-Trichlorotrifluoroethane	ND		0.00334	1	06/21/2025 06:01	WG2543444
Tetrachloroethene	ND		0.00334	1	06/21/2025 06:01	WG2543444
Toluene	ND		0.0134	1	06/21/2025 06:01	WG2543444
1,2,3-Trichlorobenzene	ND	C3	0.0167	1	06/21/2025 06:01	WG2543444
1,2,4-Trichlorobenzene	ND		0.0167	1	06/21/2025 06:01	WG2543444
1,1,1-Trichloroethane	ND		0.00334	1	06/21/2025 06:01	WG2543444
1,1,2-Trichloroethane	ND		0.00334	1	06/21/2025 06:01	WG2543444
Trichloroethene	ND		0.00134	1	06/21/2025 06:01	WG2543444
Trichlorofluoromethane	ND		0.00334	1	06/21/2025 06:01	WG2543444
1,2,3-Trichloropropane	ND		0.0167	1	06/21/2025 06:01	WG2543444
1,2,3-Trimethylbenzene	ND		0.00668	1	06/21/2025 06:01	WG2543444
1,2,4-Trimethylbenzene	ND		0.00668	1	06/21/2025 06:01	WG2543444
1,3,5-Trimethylbenzene	ND		0.00668	1	06/21/2025 06:01	WG2543444
Vinyl chloride	ND		0.00334	1	06/21/2025 06:01	WG2543444
Xylenes, Total	ND		0.134	1	06/21/2025 06:01	WG2543444
(S) Toluene-d8	*104*		*75.0-131*		*06/21/2025 06:01*	WG2543444
(S) 4-Bromofluorobenzene	*101*		*67.0-138*		*06/21/2025 06:01*	WG2543444
(S) 1,2-Dichloroethane-d4	*89.6*		*70.0-130*		*06/21/2025 06:01*	WG2543444

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		46.7	10	06/30/2025 13:50	WG2547464
C28-C36 Motor Oil Range	298		46.7	10	06/30/2025 13:50	WG2547464
(S) o-Terphenyl	*57.8*		*18.0-148*		*06/30/2025 13:50*	WG2547464

Sample Narrative:

L1871603-01 WG2547464: 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		0.389	10	06/27/2025 01:40	WG2544065
Benzidine	ND	J4	19.5	10	06/27/2025 01:40	WG2544065
Benzo(g,h,i)perylene	ND		0.389	10	06/27/2025 01:40	WG2544065
Bis(2-chlorethoxy)methane	ND	C3	3.89	10	06/27/2025 01:40	WG2544065
Bis(2-chloroethyl)ether	ND	C3	3.89	10	06/27/2025 01:40	WG2544065
2,2-Oxybis(1-Chloropropane)	ND	C3	3.89	10	06/27/2025 01:40	WG2544065
4-Bromophenyl-phenylether	ND		3.89	10	06/27/2025 01:40	WG2544065
2-Chloronaphthalene	ND		0.389	10	06/27/2025 01:40	WG2544065
4-Chlorophenyl-phenylether	ND		3.89	10	06/27/2025 01:40	WG2544065
1,2-Dichlorobenzene	ND		3.89	10	06/27/2025 01:40	WG2544065
1,3-Dichlorobenzene	ND		3.89	10	06/27/2025 01:40	WG2544065
1,4-Dichlorobenzene	ND		3.89	10	06/27/2025 01:40	WG2544065
3,3-Dichlorobenzidine	ND		3.89	10	06/27/2025 01:40	WG2544065
2,4-Dinitrotoluene	ND		3.89	10	06/27/2025 01:40	WG2544065
2,6-Dinitrotoluene	ND		3.89	10	06/27/2025 01:40	WG2544065
Hexachlorobenzene	ND		3.89	10	06/27/2025 01:40	WG2544065
Hexachloro-1,3-butadiene	ND		3.89	10	06/27/2025 01:40	WG2544065
Hexachlorocyclopentadiene	ND	C3 C7	3.89	10	06/27/2025 01:40	WG2544065
Hexachloroethane	ND		3.89	10	06/27/2025 01:40	WG2544065
Isophorone	ND		3.89	10	06/27/2025 01:40	WG2544065
Nitrobenzene	ND	C3	3.89	10	06/27/2025 01:40	WG2544065
n-Nitrosodimethylamine	ND		3.89	10	06/27/2025 01:40	WG2544065
n-Nitrosodiphenylamine	ND		3.89	10	06/27/2025 01:40	WG2544065
n-Nitrosodi-n-propylamine	ND		3.89	10	06/27/2025 01:40	WG2544065
Phenanthrene	ND		0.389	10	06/27/2025 01:40	WG2544065
Benzylbutyl phthalate	ND		3.89	10	06/27/2025 01:40	WG2544065
Bis(2-ethylhexyl)phthalate	ND		3.89	10	06/27/2025 01:40	WG2544065
Di-n-butyl phthalate	ND		3.89	10	06/27/2025 01:40	WG2544065
Diethyl phthalate	ND		3.89	10	06/27/2025 01:40	WG2544065
Dimethyl phthalate	ND		3.89	10	06/27/2025 01:40	WG2544065
Di-n-octyl phthalate	ND		3.89	10	06/27/2025 01:40	WG2544065
1,2,4-Trichlorobenzene	ND		3.89	10	06/27/2025 01:40	WG2544065
4-Chloro-3-methylphenol	ND		3.89	10	06/27/2025 01:40	WG2544065
2-Chlorophenol	ND		3.89	10	06/27/2025 01:40	WG2544065
2,4-Dichlorophenol	ND		3.89	10	06/27/2025 01:40	WG2544065
2,4-Dimethylphenol	ND	C4	3.89	10	06/27/2025 01:40	WG2544065
4,6-Dinitro-2-methylphenol	ND		3.89	10	06/27/2025 01:40	WG2544065
2,4-Dinitrophenol	ND		3.89	10	06/27/2025 01:40	WG2544065
2-Nitrophenol	ND		3.89	10	06/27/2025 01:40	WG2544065
4-Nitrophenol	ND		3.89	10	06/27/2025 01:40	WG2544065
Pentachlorophenol	ND	C3	3.89	10	06/27/2025 01:40	WG2544065
Phenol	ND		3.89	10	06/27/2025 01:40	WG2544065
2,4,6-Trichlorophenol	ND		3.89	10	06/27/2025 01:40	WG2544065
(S) 2-Fluorophenol	*80.2*		*12.0-120*		*06/27/2025 01:40*	WG2544065
(S) Phenol-d5	*63.2*		*10.0-120*		*06/27/2025 01:40*	WG2544065
(S) Nitrobenzene-d5	*79.1*		*10.0-122*		*06/27/2025 01:40*	WG2544065

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	*81.8*		*15.0-120*		*06/27/2025 01:40*	WG2544065
(S) 2,4,6-Tribromophenol	*111*		*10.0-127*		*06/27/2025 01:40*	WG2544065
(S) p-Terphenyl-d14	*88.9*		*10.0-120*		*06/27/2025 01:40*	WG2544065

Sample Narrative:

L1871603-01 WG2544065: 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	J4	0.0385	1	06/27/2025 00:36	WG2547085
Acenaphthene	ND		0.0385	1	06/27/2025 00:36	WG2547085
Acenaphthylene	ND		0.0385	1	06/27/2025 00:36	WG2547085
Benzo(a)anthracene	ND	J4	0.00701	1	06/27/2025 00:36	WG2547085
Benzo(a)pyrene	ND		0.0385	1	06/27/2025 00:36	WG2547085
Benzo(b)fluoranthene	ND	J4	0.0385	1	06/27/2025 00:36	WG2547085
Benzo(g,h,i)perylene	ND	J4	0.0385	1	06/27/2025 00:36	WG2547085
Benzo(k)fluoranthene	ND	J4	0.0385	1	06/27/2025 00:36	WG2547085
Chrysene	ND	J4	0.0385	1	06/27/2025 00:36	WG2547085
Dibenz(a,h)anthracene	ND	J4	0.0385	1	06/27/2025 00:36	WG2547085
Fluoranthene	ND	J4	0.0385	1	06/27/2025 00:36	WG2547085
Fluorene	ND	J4	0.0385	1	06/27/2025 00:36	WG2547085
Indeno(1,2,3-cd)pyrene	ND	J4	0.0385	1	06/27/2025 00:36	WG2547085
Naphthalene	ND		0.00350	1	06/27/2025 00:36	WG2547085
Phenanthrene	ND	J4	0.0385	1	06/27/2025 00:36	WG2547085
Pyrene	ND	J4	0.0385	1	06/27/2025 00:36	WG2547085
1-Methylnaphthalene	ND		0.00350	1	06/27/2025 00:36	WG2547085
2-Methylnaphthalene	ND		0.0140	1	06/27/2025 00:36	WG2547085
(S) p-Terphenyl-d14	*107*		*23.0-120*		*06/27/2025 00:36*	WG2547085
(S) Nitrobenzene-d5	*104*		*14.0-149*		*06/27/2025 00:36*	WG2547085
(S) 2-Fluorobiphenyl	*105*		*34.0-125*		*06/27/2025 00:36*	WG2547085

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.987		1	06/27/2025 05:01	WG2546137

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	675		22.2	1	06/27/2025 11:01	WG2543944

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.8		1	06/20/2025 15:26	WG2543244

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		10.8	1	06/25/2025 15:42	WG2544513

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	675		108	5	06/27/2025 11:01	WG2547585

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.216	1	06/27/2025 14:31	WG2544394

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.15		1	06/27/2025 12:18	WG2548099

Sample Narrative:

L1871603-02 WG2548099: 8.15 at 23.9C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	359	umhos/cm		10.0	1	06/27/2025 23:40	WG2548101

Sample Narrative:

L1871603-02 WG2548101: 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		22.2	1.03	06/22/2025 01:29	WG2543944

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	6750		200	2	06/25/2025 02:29	WG2544368

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	3150		21.6	1	06/23/2025 10:10	WG2544342
Antimony	ND		2.16	1	06/23/2025 10:10	WG2544342
Beryllium	0.318		0.216	1	06/23/2025 10:10	WG2544342
Calcium	5890		108	1	06/23/2025 10:10	WG2544342
Chromium	3.84		1.08	1	06/23/2025 10:10	WG2544342
Cobalt	2.60		1.08	1	06/23/2025 10:10	WG2544342
Iron	5090		10.8	1	06/23/2025 10:10	WG2544342
Magnesium	1680		108	1	06/23/2025 10:10	WG2544342
Manganese	167		1.08	1	06/23/2025 10:10	WG2544342
Potassium	1350		108	1	06/23/2025 10:10	WG2544342
Sodium	ND		108	1	06/23/2025 10:10	WG2544342
Thallium	ND		2.16	1	06/23/2025 10:10	WG2544342
Vanadium	9.06		2.16	1	06/23/2025 10:10	WG2544342

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.373		0.100	1	06/27/2025 16:26	WG2548045

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.92		0.108	5	06/23/2025 21:09	WG2544351
Barium	42.6		10.8	5	06/23/2025 21:09	WG2544351
Cadmium	0.136		0.108	5	06/23/2025 21:09	WG2544351
Copper	ND		10.8	5	06/23/2025 21:09	WG2544351
Lead	ND		10.8	5	06/23/2025 21:09	WG2544351
Nickel	ND		10.8	5	06/23/2025 21:09	WG2544351
Selenium	0.365		0.108	5	06/23/2025 21:09	WG2544351
Silver	ND		0.539	5	06/23/2025 21:09	WG2544351
Zinc	ND		53.9	5	06/23/2025 21:09	WG2544351

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		2.89	25	06/21/2025 01:51	WG2543487
(S) a,a,a-Trifluorotoluene(FID)	*98.4*		*77.0-120*		*06/21/2025 01:51*	WG2543487

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	0.0578	1	06/21/2025 06:20	WG2543444
Acrylonitrile	ND		0.0145	1	06/21/2025 06:20	WG2543444
Benzene	ND		0.00116	1	06/21/2025 06:20	WG2543444
Bromobenzene	ND		0.0145	1	06/21/2025 06:20	WG2543444
Bromodichloromethane	ND		0.00289	1	06/21/2025 06:20	WG2543444
Bromoform	ND		0.0289	1	06/21/2025 06:20	WG2543444
Bromomethane	ND		0.0145	1	06/21/2025 06:20	WG2543444
n-Butylbenzene	ND		0.0145	1	06/21/2025 06:20	WG2543444
sec-Butylbenzene	ND		0.0145	1	06/21/2025 06:20	WG2543444
tert-Butylbenzene	ND		0.00578	1	06/21/2025 06:20	WG2543444
Carbon tetrachloride	ND		0.00578	1	06/21/2025 06:20	WG2543444
Chlorobenzene	ND		0.00289	1	06/21/2025 06:20	WG2543444
Chlorodibromomethane	ND		0.00289	1	06/21/2025 06:20	WG2543444

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		0.00578	1	06/21/2025 06:20	WG2543444
Chloroform	ND		0.00289	1	06/21/2025 06:20	WG2543444
Chloromethane	ND		0.0145	1	06/21/2025 06:20	WG2543444
2-Chlorotoluene	ND		0.00289	1	06/21/2025 06:20	WG2543444
4-Chlorotoluene	ND		0.00578	1	06/21/2025 06:20	WG2543444
1,2-Dibromo-3-Chloropropane	ND		0.0289	1	06/21/2025 06:20	WG2543444
1,2-Dibromoethane	ND		0.00289	1	06/21/2025 06:20	WG2543444
Dibromomethane	ND		0.00578	1	06/21/2025 06:20	WG2543444
1,2-Dichlorobenzene	ND		0.00578	1	06/21/2025 06:20	WG2543444
1,3-Dichlorobenzene	ND		0.00578	1	06/21/2025 06:20	WG2543444
1,4-Dichlorobenzene	ND		0.00578	1	06/21/2025 06:20	WG2543444
Dichlorodifluoromethane	ND	J3	0.00578	1	06/21/2025 06:20	WG2543444
1,1-Dichloroethane	ND		0.00289	1	06/21/2025 06:20	WG2543444
1,2-Dichloroethane	ND		0.00289	1	06/21/2025 06:20	WG2543444
1,1-Dichloroethene	ND		0.00289	1	06/21/2025 06:20	WG2543444
cis-1,2-Dichloroethene	ND		0.00289	1	06/21/2025 06:20	WG2543444
trans-1,2-Dichloroethene	ND		0.00578	1	06/21/2025 06:20	WG2543444
1,2-Dichloropropane	ND		0.00578	1	06/21/2025 06:20	WG2543444
1,1-Dichloropropene	ND		0.00289	1	06/21/2025 06:20	WG2543444
1,3-Dichloropropane	ND		0.00578	1	06/21/2025 06:20	WG2543444
cis-1,3-Dichloropropene	ND		0.00289	1	06/21/2025 06:20	WG2543444
trans-1,3-Dichloropropene	ND		0.00578	1	06/21/2025 06:20	WG2543444
2,2-Dichloropropane	ND		0.00289	1	06/21/2025 06:20	WG2543444
Di-isopropyl ether	ND		0.00116	1	06/21/2025 06:20	WG2543444
Ethylbenzene	ND		0.0116	1	06/21/2025 06:20	WG2543444
Hexachloro-1,3-butadiene	ND	C3	0.0289	1	06/21/2025 06:20	WG2543444
Isopropylbenzene	ND		0.00289	1	06/21/2025 06:20	WG2543444
p-Isopropyltoluene	ND		0.00578	1	06/21/2025 06:20	WG2543444
2-Butanone (MEK)	ND		0.116	1	06/21/2025 06:20	WG2543444
Methylene Chloride	ND		0.0289	1	06/21/2025 06:20	WG2543444
4-Methyl-2-pentanone (MIBK)	ND		0.0289	1	06/21/2025 06:20	WG2543444
Methyl tert-butyl ether	ND		0.00116	1	06/21/2025 06:20	WG2543444
n-Propylbenzene	ND		0.00578	1	06/21/2025 06:20	WG2543444
Styrene	ND		0.0145	1	06/21/2025 06:20	WG2543444
1,1,1,2-Tetrachloroethane	ND		0.00289	1	06/21/2025 06:20	WG2543444
1,1,2,2-Tetrachloroethane	ND		0.00289	1	06/21/2025 06:20	WG2543444
1,1,2-Trichlorotrifluoroethane	ND		0.00289	1	06/21/2025 06:20	WG2543444
Tetrachloroethene	ND		0.00289	1	06/21/2025 06:20	WG2543444
Toluene	ND		0.0116	1	06/21/2025 06:20	WG2543444
1,2,3-Trichlorobenzene	ND	C3	0.0145	1	06/21/2025 06:20	WG2543444
1,2,4-Trichlorobenzene	ND		0.0145	1	06/21/2025 06:20	WG2543444
1,1,1-Trichloroethane	ND		0.00289	1	06/21/2025 06:20	WG2543444
1,1,2-Trichloroethane	ND		0.00289	1	06/21/2025 06:20	WG2543444
Trichloroethene	ND		0.00116	1	06/21/2025 06:20	WG2543444
Trichlorofluoromethane	ND	J3	0.00289	1	06/21/2025 06:20	WG2543444
1,2,3-Trichloropropane	ND		0.0145	1	06/21/2025 06:20	WG2543444
1,2,3-Trimethylbenzene	ND		0.00578	1	06/21/2025 06:20	WG2543444
1,2,4-Trimethylbenzene	ND		0.00578	1	06/21/2025 06:20	WG2543444
1,3,5-Trimethylbenzene	ND		0.00578	1	06/21/2025 06:20	WG2543444
Vinyl chloride	ND		0.00289	1	06/21/2025 06:20	WG2543444
Xylenes, Total	ND		0.116	1	06/21/2025 06:20	WG2543444
(S) Toluene-d8	*103*		*75.0-131*		*06/21/2025 06:20*	WG2543444
(S) 4-Bromofluorobenzene	*100*		*67.0-138*		*06/21/2025 06:20*	WG2543444
(S) 1,2-Dichloroethane-d4	*87.4*		*70.0-130*		*06/21/2025 06:20*	WG2543444

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		4.31	1	06/30/2025 11:20	WG2547464
C28-C36 Motor Oil Range	6.62		4.31	1	06/30/2025 11:20	WG2547464
(S) o-Terphenyl	*57.7*		*18.0-148*		*06/30/2025 11:20*	WG2547464

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		0.0359	1	06/26/2025 20:00	WG2544065
Benzidine	ND	J4	1.80	1	06/26/2025 20:00	WG2544065
Benzo(g,h,i)perylene	ND		0.0359	1	06/26/2025 20:00	WG2544065
Bis(2-chlorethoxy)methane	ND	C3	0.359	1	06/26/2025 20:00	WG2544065
Bis(2-chloroethyl)ether	ND	C3	0.359	1	06/26/2025 20:00	WG2544065
2,2-Oxybis(1-Chloropropane)	ND	C3	0.359	1	06/26/2025 20:00	WG2544065
4-Bromophenyl-phenylether	ND		0.359	1	06/26/2025 20:00	WG2544065
2-Chloronaphthalene	ND		0.0359	1	06/26/2025 20:00	WG2544065
4-Chlorophenyl-phenylether	ND		0.359	1	06/26/2025 20:00	WG2544065
1,2-Dichlorobenzene	ND		0.359	1	06/26/2025 20:00	WG2544065
1,3-Dichlorobenzene	ND		0.359	1	06/26/2025 20:00	WG2544065
1,4-Dichlorobenzene	ND		0.359	1	06/26/2025 20:00	WG2544065
3,3-Dichlorobenzidine	ND		0.359	1	06/26/2025 20:00	WG2544065
2,4-Dinitrotoluene	ND		0.359	1	06/26/2025 20:00	WG2544065
2,6-Dinitrotoluene	ND		0.359	1	06/26/2025 20:00	WG2544065
Hexachlorobenzene	ND		0.359	1	06/26/2025 20:00	WG2544065
Hexachloro-1,3-butadiene	ND		0.359	1	06/26/2025 20:00	WG2544065
Hexachlorocyclopentadiene	ND	C3 C7	0.359	1	06/26/2025 20:00	WG2544065
Hexachloroethane	ND		0.359	1	06/26/2025 20:00	WG2544065
Isophorone	ND		0.359	1	06/26/2025 20:00	WG2544065
Nitrobenzene	ND	C3	0.359	1	06/26/2025 20:00	WG2544065
n-Nitrosodimethylamine	ND		0.359	1	06/26/2025 20:00	WG2544065
n-Nitrosodiphenylamine	ND		0.359	1	06/26/2025 20:00	WG2544065
n-Nitrosodi-n-propylamine	ND		0.359	1	06/26/2025 20:00	WG2544065
Phenanthrene	ND		0.0359	1	06/26/2025 20:00	WG2544065
Benzylbutyl phthalate	ND		0.359	1	06/26/2025 20:00	WG2544065
Bis(2-ethylhexyl)phthalate	ND		0.359	1	06/26/2025 20:00	WG2544065
Di-n-butyl phthalate	ND		0.359	1	06/26/2025 20:00	WG2544065
Diethyl phthalate	ND		0.359	1	06/26/2025 20:00	WG2544065
Dimethyl phthalate	ND		0.359	1	06/26/2025 20:00	WG2544065
Di-n-octyl phthalate	ND		0.359	1	06/26/2025 20:00	WG2544065
1,2,4-Trichlorobenzene	ND		0.359	1	06/26/2025 20:00	WG2544065
4-Chloro-3-methylphenol	ND		0.359	1	06/26/2025 20:00	WG2544065
2-Chlorophenol	ND		0.359	1	06/26/2025 20:00	WG2544065
2,4-Dichlorophenol	ND		0.359	1	06/26/2025 20:00	WG2544065
2,4-Dimethylphenol	ND	C4	0.359	1	06/26/2025 20:00	WG2544065
4,6-Dinitro-2-methylphenol	ND		0.359	1	06/26/2025 20:00	WG2544065
2,4-Dinitrophenol	ND		0.359	1	06/26/2025 20:00	WG2544065
2-Nitrophenol	ND		0.359	1	06/26/2025 20:00	WG2544065
4-Nitrophenol	ND		0.359	1	06/26/2025 20:00	WG2544065
Pentachlorophenol	ND	C3	0.359	1	06/26/2025 20:00	WG2544065
Phenol	ND		0.359	1	06/26/2025 20:00	WG2544065
2,4,6-Trichlorophenol	ND		0.359	1	06/26/2025 20:00	WG2544065
(S) 2-Fluorophenol	*61.7*		*12.0-120*		*06/26/2025 20:00*	WG2544065
(S) Phenol-d5	*59.1*		*10.0-120*		*06/26/2025 20:00*	WG2544065
(S) Nitrobenzene-d5	*60.9*		*10.0-122*		*06/26/2025 20:00*	WG2544065
(S) 2-Fluorobiphenyl	*61.8*		*15.0-120*		*06/26/2025 20:00*	WG2544065
(S) 2,4,6-Tribromophenol	*93.9*		*10.0-127*		*06/26/2025 20:00*	WG2544065
(S) p-Terphenyl-d14	*71.2*		*10.0-120*		*06/26/2025 20:00*	WG2544065

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	J4	0.0356	1	06/26/2025 21:06	WG2547085
Acenaphthene	ND		0.0356	1	06/26/2025 21:06	WG2547085
Acenaphthylene	ND		0.0356	1	06/26/2025 21:06	WG2547085
Benzo(a)anthracene	ND	J4	0.00647	1	06/26/2025 21:06	WG2547085
Benzo(a)pyrene	ND		0.0356	1	06/26/2025 21:06	WG2547085
Benzo(b)fluoranthene	ND	J4	0.0356	1	06/26/2025 21:06	WG2547085
Benzo(g,h,i)perylene	ND	J4	0.0356	1	06/26/2025 21:06	WG2547085
Benzo(k)fluoranthene	ND	J4	0.0356	1	06/26/2025 21:06	WG2547085
Chrysene	ND	J4	0.0356	1	06/26/2025 21:06	WG2547085
Dibenz(a,h)anthracene	ND	J4	0.0356	1	06/26/2025 21:06	WG2547085
Fluoranthene	ND	J4	0.0356	1	06/26/2025 21:06	WG2547085
Fluorene	ND	J4	0.0356	1	06/26/2025 21:06	WG2547085
Indeno(1,2,3-cd)pyrene	ND	J4	0.0356	1	06/26/2025 21:06	WG2547085
Naphthalene	ND		0.00323	1	06/26/2025 21:06	WG2547085
Phenanthrene	ND	J4	0.0356	1	06/26/2025 21:06	WG2547085
Pyrene	ND	J4	0.0356	1	06/26/2025 21:06	WG2547085
1-Methylnaphthalene	ND		0.00323	1	06/26/2025 21:06	WG2547085
2-Methylnaphthalene	ND		0.0129	1	06/26/2025 21:06	WG2547085
(S) p-Terphenyl-d14	*96.5*		*23.0-120*		*06/26/2025 21:06*	WG2547085
(S) Nitrobenzene-d5	*97.5*		*14.0-149*		*06/26/2025 21:06*	WG2547085
(S) 2-Fluorobiphenyl	*98.1*		*34.0-125*		*06/26/2025 21:06*	WG2547085

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.42		1	06/27/2025 05:03	WG2546137

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	138		22.7	1	06/27/2025 11:03	WG2543944

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.9		1	06/20/2025 15:26	WG2543244

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11.0	1	06/25/2025 15:43	WG2544513

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	134		110	5	06/27/2025 11:03	WG2547585

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.220	1	06/27/2025 14:40	WG2544394

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.41		1	06/27/2025 12:18	WG2548099

Sample Narrative:

L1871603-03 WG2548099: 8.41 at 23.8C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	246	umhos/cm		10.0	1	06/27/2025 23:40	WG2548101

Sample Narrative:

L1871603-03 WG2548101: 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		22.7	1.03	06/22/2025 01:43	WG2543944

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	2330		100	1	06/25/2025 02:30	WG2544368

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	1720		22.0	1	06/23/2025 10:11	WG2544342
Antimony	ND		2.20	1	06/23/2025 10:11	WG2544342
Beryllium	ND		0.220	1	06/23/2025 10:11	WG2544342
Calcium	4220		110	1	06/23/2025 10:11	WG2544342
Chromium	3.43		1.10	1	06/23/2025 10:11	WG2544342
Cobalt	1.40		1.10	1	06/23/2025 10:11	WG2544342
Iron	3120		11.0	1	06/23/2025 10:11	WG2544342
Magnesium	945		110	1	06/23/2025 10:11	WG2544342
Manganese	82.8		1.10	1	06/23/2025 10:11	WG2544342
Potassium	740		110	1	06/23/2025 10:11	WG2544342
Sodium	141		110	1	06/23/2025 10:11	WG2544342
Thallium	ND		2.20	1	06/23/2025 10:11	WG2544342
Vanadium	6.53		2.20	1	06/23/2025 10:11	WG2544342

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.356		0.100	1	06/27/2025 16:29	WG2548045

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.31		0.110	5	06/23/2025 21:12	WG2544351
Barium	21.2		11.0	5	06/23/2025 21:12	WG2544351
Cadmium	ND		0.110	5	06/23/2025 21:12	WG2544351
Copper	ND		11.0	5	06/23/2025 21:12	WG2544351
Lead	31.6		11.0	5	06/23/2025 21:12	WG2544351
Nickel	ND		11.0	5	06/23/2025 21:12	WG2544351
Selenium	0.195		0.110	5	06/23/2025 21:12	WG2544351
Silver	ND		0.550	5	06/23/2025 21:12	WG2544351
Zinc	ND		55.0	5	06/23/2025 21:12	WG2544351

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		3.00	25	06/21/2025 02:15	WG2543487
(S) a,a,a-Trifluorotoluene(FID)	*98.3*		*77.0-120*		*06/21/2025 02:15*	WG2543487

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	0.0600	1	06/21/2025 06:38	WG2543444
Acrylonitrile	ND		0.0150	1	06/21/2025 06:38	WG2543444
Benzene	ND		0.00120	1	06/21/2025 06:38	WG2543444
Bromobenzene	ND		0.0150	1	06/21/2025 06:38	WG2543444
Bromodichloromethane	ND		0.00300	1	06/21/2025 06:38	WG2543444
Bromoform	ND		0.0300	1	06/21/2025 06:38	WG2543444
Bromomethane	ND		0.0150	1	06/21/2025 06:38	WG2543444
n-Butylbenzene	ND		0.0150	1	06/21/2025 06:38	WG2543444
sec-Butylbenzene	ND		0.0150	1	06/21/2025 06:38	WG2543444
tert-Butylbenzene	ND		0.00600	1	06/21/2025 06:38	WG2543444
Carbon tetrachloride	ND		0.00600	1	06/21/2025 06:38	WG2543444
Chlorobenzene	ND		0.00300	1	06/21/2025 06:38	WG2543444
Chlorodibromomethane	ND		0.00300	1	06/21/2025 06:38	WG2543444

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		0.00600	1	06/21/2025 06:38	WG2543444
Chloroform	ND		0.00300	1	06/21/2025 06:38	WG2543444
Chloromethane	ND		0.0150	1	06/21/2025 06:38	WG2543444
2-Chlorotoluene	ND		0.00300	1	06/21/2025 06:38	WG2543444
4-Chlorotoluene	ND		0.00600	1	06/21/2025 06:38	WG2543444
1,2-Dibromo-3-Chloropropane	ND		0.0300	1	06/21/2025 06:38	WG2543444
1,2-Dibromoethane	ND		0.00300	1	06/21/2025 06:38	WG2543444
Dibromomethane	ND		0.00600	1	06/21/2025 06:38	WG2543444
1,2-Dichlorobenzene	ND		0.00600	1	06/21/2025 06:38	WG2543444
1,3-Dichlorobenzene	ND		0.00600	1	06/21/2025 06:38	WG2543444
1,4-Dichlorobenzene	ND		0.00600	1	06/21/2025 06:38	WG2543444
Dichlorodifluoromethane	ND		0.00600	1	06/21/2025 06:38	WG2543444
1,1-Dichloroethane	ND		0.00300	1	06/21/2025 06:38	WG2543444
1,2-Dichloroethane	ND		0.00300	1	06/21/2025 06:38	WG2543444
1,1-Dichloroethene	ND		0.00300	1	06/21/2025 06:38	WG2543444
cis-1,2-Dichloroethene	ND		0.00300	1	06/21/2025 06:38	WG2543444
trans-1,2-Dichloroethene	ND		0.00600	1	06/21/2025 06:38	WG2543444
1,2-Dichloropropane	ND		0.00600	1	06/21/2025 06:38	WG2543444
1,1-Dichloropropene	ND		0.00300	1	06/21/2025 06:38	WG2543444
1,3-Dichloropropane	ND		0.00600	1	06/21/2025 06:38	WG2543444
cis-1,3-Dichloropropene	ND		0.00300	1	06/21/2025 06:38	WG2543444
trans-1,3-Dichloropropene	ND		0.00600	1	06/21/2025 06:38	WG2543444
2,2-Dichloropropane	ND		0.00300	1	06/21/2025 06:38	WG2543444
Di-isopropyl ether	ND		0.00120	1	06/21/2025 06:38	WG2543444
Ethylbenzene	ND		0.0120	1	06/21/2025 06:38	WG2543444
Hexachloro-1,3-butadiene	ND	C3	0.0300	1	06/21/2025 06:38	WG2543444
Isopropylbenzene	ND		0.00300	1	06/21/2025 06:38	WG2543444
p-Isopropyltoluene	ND		0.00600	1	06/21/2025 06:38	WG2543444
2-Butanone (MEK)	ND		0.120	1	06/21/2025 06:38	WG2543444
Methylene Chloride	ND		0.0300	1	06/21/2025 06:38	WG2543444
4-Methyl-2-pentanone (MIBK)	ND		0.0300	1	06/21/2025 06:38	WG2543444
Methyl tert-butyl ether	ND		0.00120	1	06/21/2025 06:38	WG2543444
n-Propylbenzene	ND		0.00600	1	06/21/2025 06:38	WG2543444
Styrene	ND		0.0150	1	06/21/2025 06:38	WG2543444
1,1,1,2-Tetrachloroethane	ND		0.00300	1	06/21/2025 06:38	WG2543444
1,1,2,2-Tetrachloroethane	ND		0.00300	1	06/21/2025 06:38	WG2543444
1,1,2-Trichlorotrifluoroethane	ND		0.00300	1	06/21/2025 06:38	WG2543444
Tetrachloroethene	ND		0.00300	1	06/21/2025 06:38	WG2543444
Toluene	ND		0.0120	1	06/21/2025 06:38	WG2543444
1,2,3-Trichlorobenzene	ND	C3	0.0150	1	06/21/2025 06:38	WG2543444
1,2,4-Trichlorobenzene	ND		0.0150	1	06/21/2025 06:38	WG2543444
1,1,1-Trichloroethane	ND		0.00300	1	06/21/2025 06:38	WG2543444
1,1,2-Trichloroethane	ND		0.00300	1	06/21/2025 06:38	WG2543444
Trichloroethene	ND		0.00120	1	06/21/2025 06:38	WG2543444
Trichlorofluoromethane	ND		0.00300	1	06/21/2025 06:38	WG2543444
1,2,3-Trichloropropane	ND		0.0150	1	06/21/2025 06:38	WG2543444
1,2,3-Trimethylbenzene	ND		0.00600	1	06/21/2025 06:38	WG2543444
1,2,4-Trimethylbenzene	ND		0.00600	1	06/21/2025 06:38	WG2543444
1,3,5-Trimethylbenzene	ND		0.00600	1	06/21/2025 06:38	WG2543444
Vinyl chloride	ND		0.00300	1	06/21/2025 06:38	WG2543444
Xylenes, Total	ND		0.120	1	06/21/2025 06:38	WG2543444
(S) Toluene-d8	*103*		*75.0-131*		*06/21/2025 06:38*	WG2543444
(S) 4-Bromofluorobenzene	*101*		*67.0-138*		*06/21/2025 06:38*	WG2543444
(S) 1,2-Dichloroethane-d4	*90.1*		*70.0-130*		*06/21/2025 06:38*	WG2543444

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		44.0	10	06/30/2025 18:17	WG2547464
C28-C36 Motor Oil Range	91.0		44.0	10	06/30/2025 18:17	WG2547464
(S) o-Terphenyl	*85.7*		*18.0-148*		*06/30/2025 18:17*	WG2547464

Sample Narrative:

L1871603-03 WG2547464: Dilution due to matrix impact during extract concentration procedure

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		0.366	10	06/27/2025 02:23	WG2544065
Benzidine	ND	J4	18.4	10	06/27/2025 02:23	WG2544065
Benzo(g,h,i)perylene	ND		0.366	10	06/27/2025 02:23	WG2544065
Bis(2-chlorethoxy)methane	ND	C3	3.66	10	06/27/2025 02:23	WG2544065
Bis(2-chloroethyl)ether	ND	C3	3.66	10	06/27/2025 02:23	WG2544065
2,2-Oxybis(1-Chloropropane)	ND	C3	3.66	10	06/27/2025 02:23	WG2544065
4-Bromophenyl-phenylether	ND		3.66	10	06/27/2025 02:23	WG2544065
2-Chloronaphthalene	ND		0.366	10	06/27/2025 02:23	WG2544065
4-Chlorophenyl-phenylether	ND		3.66	10	06/27/2025 02:23	WG2544065
1,2-Dichlorobenzene	ND		3.66	10	06/27/2025 02:23	WG2544065
1,3-Dichlorobenzene	ND		3.66	10	06/27/2025 02:23	WG2544065
1,4-Dichlorobenzene	ND		3.66	10	06/27/2025 02:23	WG2544065
3,3-Dichlorobenzidine	ND		3.66	10	06/27/2025 02:23	WG2544065
2,4-Dinitrotoluene	ND		3.66	10	06/27/2025 02:23	WG2544065
2,6-Dinitrotoluene	ND		3.66	10	06/27/2025 02:23	WG2544065
Hexachlorobenzene	ND		3.66	10	06/27/2025 02:23	WG2544065
Hexachloro-1,3-butadiene	ND		3.66	10	06/27/2025 02:23	WG2544065
Hexachlorocyclopentadiene	ND	C3 C7	3.66	10	06/27/2025 02:23	WG2544065
Hexachloroethane	ND		3.66	10	06/27/2025 02:23	WG2544065
Isophorone	ND		3.66	10	06/27/2025 02:23	WG2544065
Nitrobenzene	ND	C3	3.66	10	06/27/2025 02:23	WG2544065
n-Nitrosodimethylamine	ND		3.66	10	06/27/2025 02:23	WG2544065
n-Nitrosodiphenylamine	ND		3.66	10	06/27/2025 02:23	WG2544065
n-Nitrosodi-n-propylamine	ND		3.66	10	06/27/2025 02:23	WG2544065
Phenanthrene	ND		0.366	10	06/27/2025 02:23	WG2544065
Benzylbutyl phthalate	ND		3.66	10	06/27/2025 02:23	WG2544065
Bis(2-ethylhexyl)phthalate	ND		3.66	10	06/27/2025 02:23	WG2544065
Di-n-butyl phthalate	ND		3.66	10	06/27/2025 02:23	WG2544065
Diethyl phthalate	ND		3.66	10	06/27/2025 02:23	WG2544065
Dimethyl phthalate	ND		3.66	10	06/27/2025 02:23	WG2544065
Di-n-octyl phthalate	ND		3.66	10	06/27/2025 02:23	WG2544065
1,2,4-Trichlorobenzene	ND		3.66	10	06/27/2025 02:23	WG2544065
4-Chloro-3-methylphenol	ND		3.66	10	06/27/2025 02:23	WG2544065
2-Chlorophenol	ND		3.66	10	06/27/2025 02:23	WG2544065
2,4-Dichlorophenol	ND		3.66	10	06/27/2025 02:23	WG2544065
2,4-Dimethylphenol	ND	C4	3.66	10	06/27/2025 02:23	WG2544065
4,6-Dinitro-2-methylphenol	ND		3.66	10	06/27/2025 02:23	WG2544065
2,4-Dinitrophenol	ND		3.66	10	06/27/2025 02:23	WG2544065
2-Nitrophenol	ND		3.66	10	06/27/2025 02:23	WG2544065
4-Nitrophenol	ND		3.66	10	06/27/2025 02:23	WG2544065
Pentachlorophenol	ND	C3	3.66	10	06/27/2025 02:23	WG2544065
Phenol	ND		3.66	10	06/27/2025 02:23	WG2544065
2,4,6-Trichlorophenol	ND		3.66	10	06/27/2025 02:23	WG2544065
(S) 2-Fluorophenol	*88.8*		*12.0-120*		*06/27/2025 02:23*	WG2544065
(S) Phenol-d5	*75.5*		*10.0-120*		*06/27/2025 02:23*	WG2544065
(S) Nitrobenzene-d5	*84.5*		*10.0-122*		*06/27/2025 02:23*	WG2544065

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	*90.9*		*15.0-120*		*06/27/2025 02:23*	WG2544065
(S) 2,4,6-Tribromophenol	*123*		*10.0-127*		*06/27/2025 02:23*	WG2544065
(S) p-Terphenyl-d14	*91.2*		*10.0-120*		*06/27/2025 02:23*	WG2544065

Sample Narrative:

L1871603-03 WG2544065: 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		0.0363	1	07/01/2025 07:44	WG2549212
Acenaphthene	ND		0.0363	1	07/01/2025 07:44	WG2549212
Acenaphthylene	ND		0.0363	1	07/01/2025 07:44	WG2549212
Benzo(a)anthracene	0.0132		0.00660	1	07/01/2025 07:44	WG2549212
Benzo(a)pyrene	ND		0.0363	1	07/01/2025 07:44	WG2549212
Benzo(b)fluoranthene	0.0460		0.0363	1	07/01/2025 07:44	WG2549212
Benzo(g,h,i)perylene	0.0459		0.0363	1	07/01/2025 07:44	WG2549212
Benzo(k)fluoranthene	ND		0.0363	1	07/01/2025 07:44	WG2549212
Chrysene	ND		0.0363	1	07/01/2025 07:44	WG2549212
Dibenz(a,h)anthracene	ND		0.0363	1	07/01/2025 07:44	WG2549212
Fluoranthene	ND		0.0363	1	07/01/2025 07:44	WG2549212
Fluorene	ND		0.0363	1	07/01/2025 07:44	WG2549212
Indeno(1,2,3-cd)pyrene	0.0372		0.0363	1	07/01/2025 07:44	WG2549212
Naphthalene	ND		0.00330	1	07/01/2025 07:44	WG2549212
Phenanthrene	ND		0.0363	1	07/01/2025 07:44	WG2549212
Pyrene	ND		0.0363	1	07/01/2025 07:44	WG2549212
1-Methylnaphthalene	ND		0.00330	1	07/01/2025 07:44	WG2549212
2-Methylnaphthalene	ND		0.0132	1	07/01/2025 07:44	WG2549212
(S) p-Terphenyl-d14	*136*	J1	*23.0-120*		*07/01/2025 07:44*	WG2549212
(S) Nitrobenzene-d5	*104*		*14.0-149*		*07/01/2025 07:44*	WG2549212
(S) 2-Fluorobiphenyl	*126*	J1	*34.0-125*		*07/01/2025 07:44*	WG2549212

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	06/21/2025 05:35	WG2543520
Acrolein	ND		0.0500	1	06/21/2025 05:35	WG2543520
Acrylonitrile	ND		0.0100	1	06/21/2025 05:35	WG2543520
Benzene	ND		0.00100	1	06/21/2025 05:35	WG2543520
Bromobenzene	ND		0.00100	1	06/21/2025 05:35	WG2543520
Bromodichloromethane	ND		0.00100	1	06/21/2025 05:35	WG2543520
Bromoform	ND		0.00100	1	06/21/2025 05:35	WG2543520
Bromomethane	ND		0.00500	1	06/21/2025 05:35	WG2543520
n-Butylbenzene	ND		0.00100	1	06/21/2025 05:35	WG2543520
sec-Butylbenzene	ND		0.00100	1	06/21/2025 05:35	WG2543520
tert-Butylbenzene	ND		0.00100	1	06/21/2025 05:35	WG2543520
Carbon tetrachloride	ND		0.00100	1	06/21/2025 05:35	WG2543520
Chlorobenzene	ND		0.00100	1	06/21/2025 05:35	WG2543520
Chlorodibromomethane	ND		0.00100	1	06/21/2025 05:35	WG2543520
Chloroethane	ND		0.00500	1	06/21/2025 05:35	WG2543520
Chloroform	ND		0.00500	1	06/21/2025 05:35	WG2543520
Chloromethane	ND		0.00250	1	06/21/2025 05:35	WG2543520
2-Chlorotoluene	ND		0.00100	1	06/21/2025 05:35	WG2543520
4-Chlorotoluene	ND		0.00100	1	06/21/2025 05:35	WG2543520
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	06/21/2025 05:35	WG2543520
1,2-Dibromoethane	ND		0.00100	1	06/21/2025 05:35	WG2543520
Dibromomethane	ND		0.00100	1	06/21/2025 05:35	WG2543520
1,2-Dichlorobenzene	ND		0.00100	1	06/21/2025 05:35	WG2543520
1,3-Dichlorobenzene	ND		0.00100	1	06/21/2025 05:35	WG2543520
1,4-Dichlorobenzene	ND		0.00100	1	06/21/2025 05:35	WG2543520
Dichlorodifluoromethane	ND	J3	0.00500	1	06/21/2025 05:35	WG2543520
1,1-Dichloroethane	ND		0.00100	1	06/21/2025 05:35	WG2543520
1,2-Dichloroethane	ND		0.00100	1	06/21/2025 05:35	WG2543520
1,1-Dichloroethene	ND		0.00100	1	06/21/2025 05:35	WG2543520
cis-1,2-Dichloroethene	ND		0.00100	1	06/21/2025 05:35	WG2543520
trans-1,2-Dichloroethene	ND		0.00100	1	06/21/2025 05:35	WG2543520
1,2-Dichloropropane	ND		0.00100	1	06/21/2025 05:35	WG2543520
1,1-Dichloropropene	ND		0.00100	1	06/21/2025 05:35	WG2543520
1,3-Dichloropropane	ND		0.00100	1	06/21/2025 05:35	WG2543520
cis-1,3-Dichloropropene	ND		0.00100	1	06/21/2025 05:35	WG2543520
trans-1,3-Dichloropropene	ND		0.00100	1	06/21/2025 05:35	WG2543520
2,2-Dichloropropane	ND		0.00100	1	06/21/2025 05:35	WG2543520
Di-isopropyl ether	ND		0.00100	1	06/21/2025 05:35	WG2543520
Ethylbenzene	ND		0.00100	1	06/21/2025 05:35	WG2543520
Hexachloro-1,3-butadiene	ND		0.00100	1	06/21/2025 05:35	WG2543520
Isopropylbenzene	ND		0.00100	1	06/21/2025 05:35	WG2543520
p-Isopropyltoluene	ND		0.00100	1	06/21/2025 05:35	WG2543520
2-Butanone (MEK)	ND		0.0100	1	06/21/2025 05:35	WG2543520
Methylene Chloride	ND		0.00500	1	06/21/2025 05:35	WG2543520
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	06/21/2025 05:35	WG2543520
Methyl tert-butyl ether	ND		0.00100	1	06/21/2025 05:35	WG2543520
Naphthalene	ND		0.00500	1	06/21/2025 05:35	WG2543520
n-Propylbenzene	ND		0.00100	1	06/21/2025 05:35	WG2543520
Styrene	ND		0.00100	1	06/21/2025 05:35	WG2543520
1,1,1,2-Tetrachloroethane	ND		0.00100	1	06/21/2025 05:35	WG2543520
1,1,2,2-Tetrachloroethane	ND		0.00100	1	06/21/2025 05:35	WG2543520
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	06/21/2025 05:35	WG2543520
Tetrachloroethene	ND		0.00100	1	06/21/2025 05:35	WG2543520
Toluene	ND		0.00100	1	06/21/2025 05:35	WG2543520
1,2,3-Trichlorobenzene	ND		0.00100	1	06/21/2025 05:35	WG2543520
1,2,4-Trichlorobenzene	ND		0.00100	1	06/21/2025 05:35	WG2543520

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	06/21/2025 05:35	WG2543520
1,1,2-Trichloroethane	ND		0.00100	1	06/21/2025 05:35	WG2543520
Trichloroethene	ND		0.00100	1	06/21/2025 05:35	WG2543520
Trichlorofluoromethane	ND		0.00500	1	06/21/2025 05:35	WG2543520
1,2,3-Trichloropropane	ND		0.00250	1	06/21/2025 05:35	WG2543520
1,2,4-Trimethylbenzene	ND		0.00100	1	06/21/2025 05:35	WG2543520
1,2,3-Trimethylbenzene	ND		0.00100	1	06/21/2025 05:35	WG2543520
1,3,5-Trimethylbenzene	ND		0.00100	1	06/21/2025 05:35	WG2543520
Vinyl chloride	ND		0.00100	1	06/21/2025 05:35	WG2543520
Xylenes, Total	ND		0.00300	1	06/21/2025 05:35	WG2543520
(S) Toluene-d8	*101*		*80.0-120*		*06/21/2025 05:35*	WG2543520
(S) 4-Bromofluorobenzene	*94.8*		*77.0-126*		*06/21/2025 05:35*	WG2543520
(S) 1,2-Dichloroethane-d4	*106*		*70.0-130*		*06/21/2025 05:35*	WG2543520

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.229		1	06/27/2025 05:05	WG2546137

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	373		22.1	1	06/27/2025 11:05	WG2543944

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.2		1	06/20/2025 15:26	WG2543244

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	06/25/2025 15:45	WG2544513

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	368		107	5	06/27/2025 11:05	WG2547585

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.215	1	06/27/2025 14:49	WG2544394

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.52		1	06/27/2025 12:18	WG2548099

Sample Narrative:

L1871603-05 WG2548099: 7.52 at 23.6C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	213	umhos/cm		10.0	1	06/27/2025 23:40	WG2548101

Sample Narrative:

L1871603-05 WG2548101: 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		22.1	1.03	06/22/2025 01:56	WG2543944

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	4490		100	1	06/25/2025 02:30	WG2544368

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	1870		21.5	1	06/23/2025 10:16	WG2544342
Antimony	ND		2.15	1	06/23/2025 10:16	WG2544342
Beryllium	ND		0.215	1	06/23/2025 10:16	WG2544342
Calcium	1370		107	1	06/23/2025 10:16	WG2544342
Chromium	3.44		1.07	1	06/23/2025 10:16	WG2544342
Cobalt	1.69		1.07	1	06/23/2025 10:16	WG2544342
Iron	3570		10.7	1	06/23/2025 10:16	WG2544342
Magnesium	864		107	1	06/23/2025 10:16	WG2544342
Manganese	96.4		1.07	1	06/23/2025 10:16	WG2544342
Potassium	1040		107	1	06/23/2025 10:16	WG2544342
Sodium	ND		107	1	06/23/2025 10:16	WG2544342
Thallium	ND		2.15	1	06/23/2025 10:16	WG2544342
Vanadium	6.15		2.15	1	06/23/2025 10:16	WG2544342

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.218		0.100	1	06/27/2025 16:32	WG2548045

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.14		0.107	5	06/23/2025 21:24	WG2544351
Barium	21.0		10.7	5	06/23/2025 21:24	WG2544351
Cadmium	ND		0.107	5	06/23/2025 21:24	WG2544351
Copper	ND		10.7	5	06/23/2025 21:24	WG2544351
Lead	ND		10.7	5	06/23/2025 21:24	WG2544351
Nickel	ND		10.7	5	06/23/2025 21:24	WG2544351
Selenium	0.206		0.107	5	06/23/2025 21:24	WG2544351
Silver	ND		0.537	5	06/23/2025 21:24	WG2544351
Zinc	ND		53.7	5	06/23/2025 21:24	WG2544351

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		2.87	25	06/21/2025 02:38	WG2543487
(S) a,a,a-Trifluorotoluene(FID)	*98.2*		*77.0-120*		*06/21/2025 02:38*	WG2543487

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	0.0574	1	06/21/2025 06:57	WG2543444
Acrylonitrile	ND		0.0143	1	06/21/2025 06:57	WG2543444
Benzene	ND		0.00115	1	06/21/2025 06:57	WG2543444
Bromobenzene	ND		0.0143	1	06/21/2025 06:57	WG2543444
Bromodichloromethane	ND		0.00287	1	06/21/2025 06:57	WG2543444
Bromoform	ND		0.0287	1	06/21/2025 06:57	WG2543444
Bromomethane	ND		0.0143	1	06/21/2025 06:57	WG2543444
n-Butylbenzene	ND		0.0143	1	06/21/2025 06:57	WG2543444
sec-Butylbenzene	ND		0.0143	1	06/21/2025 06:57	WG2543444
tert-Butylbenzene	ND		0.00574	1	06/21/2025 06:57	WG2543444
Carbon tetrachloride	ND		0.00574	1	06/21/2025 06:57	WG2543444
Chlorobenzene	ND		0.00287	1	06/21/2025 06:57	WG2543444
Chlorodibromomethane	ND		0.00287	1	06/21/2025 06:57	WG2543444

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		0.00574	1	06/21/2025 06:57	WG2543444
Chloroform	ND		0.00287	1	06/21/2025 06:57	WG2543444
Chloromethane	ND		0.0143	1	06/21/2025 06:57	WG2543444
2-Chlorotoluene	ND		0.00287	1	06/21/2025 06:57	WG2543444
4-Chlorotoluene	ND		0.00574	1	06/21/2025 06:57	WG2543444
1,2-Dibromo-3-Chloropropane	ND		0.0287	1	06/21/2025 06:57	WG2543444
1,2-Dibromoethane	ND		0.00287	1	06/21/2025 06:57	WG2543444
Dibromomethane	ND		0.00574	1	06/21/2025 06:57	WG2543444
1,2-Dichlorobenzene	ND		0.00574	1	06/21/2025 06:57	WG2543444
1,3-Dichlorobenzene	ND		0.00574	1	06/21/2025 06:57	WG2543444
1,4-Dichlorobenzene	ND		0.00574	1	06/21/2025 06:57	WG2543444
Dichlorodifluoromethane	ND		0.00574	1	06/21/2025 06:57	WG2543444
1,1-Dichloroethane	ND		0.00287	1	06/21/2025 06:57	WG2543444
1,2-Dichloroethane	ND		0.00287	1	06/21/2025 06:57	WG2543444
1,1-Dichloroethene	ND		0.00287	1	06/21/2025 06:57	WG2543444
cis-1,2-Dichloroethene	ND		0.00287	1	06/21/2025 06:57	WG2543444
trans-1,2-Dichloroethene	ND		0.00574	1	06/21/2025 06:57	WG2543444
1,2-Dichloropropane	ND		0.00574	1	06/21/2025 06:57	WG2543444
1,1-Dichloropropene	ND		0.00287	1	06/21/2025 06:57	WG2543444
1,3-Dichloropropane	ND		0.00574	1	06/21/2025 06:57	WG2543444
cis-1,3-Dichloropropene	ND		0.00287	1	06/21/2025 06:57	WG2543444
trans-1,3-Dichloropropene	ND		0.00574	1	06/21/2025 06:57	WG2543444
2,2-Dichloropropane	ND		0.00287	1	06/21/2025 06:57	WG2543444
Di-isopropyl ether	ND		0.00115	1	06/21/2025 06:57	WG2543444
Ethylbenzene	ND		0.0115	1	06/21/2025 06:57	WG2543444
Hexachloro-1,3-butadiene	ND	C3	0.0287	1	06/21/2025 06:57	WG2543444
Isopropylbenzene	ND		0.00287	1	06/21/2025 06:57	WG2543444
p-Isopropyltoluene	ND		0.00574	1	06/21/2025 06:57	WG2543444
2-Butanone (MEK)	ND		0.115	1	06/21/2025 06:57	WG2543444
Methylene Chloride	ND		0.0287	1	06/21/2025 06:57	WG2543444
4-Methyl-2-pentanone (MIBK)	ND		0.0287	1	06/21/2025 06:57	WG2543444
Methyl tert-butyl ether	ND		0.00115	1	06/21/2025 06:57	WG2543444
n-Propylbenzene	ND		0.00574	1	06/21/2025 06:57	WG2543444
Styrene	ND		0.0143	1	06/21/2025 06:57	WG2543444
1,1,1,2-Tetrachloroethane	ND		0.00287	1	06/21/2025 06:57	WG2543444
1,1,2,2-Tetrachloroethane	ND		0.00287	1	06/21/2025 06:57	WG2543444
1,1,2-Trichlorotrifluoroethane	ND		0.00287	1	06/21/2025 06:57	WG2543444
Tetrachloroethene	ND		0.00287	1	06/21/2025 06:57	WG2543444
Toluene	ND		0.0115	1	06/21/2025 06:57	WG2543444
1,2,3-Trichlorobenzene	ND	C3	0.0143	1	06/21/2025 06:57	WG2543444
1,2,4-Trichlorobenzene	ND		0.0143	1	06/21/2025 06:57	WG2543444
1,1,1-Trichloroethane	ND		0.00287	1	06/21/2025 06:57	WG2543444
1,1,2-Trichloroethane	ND		0.00287	1	06/21/2025 06:57	WG2543444
Trichloroethene	ND		0.00115	1	06/21/2025 06:57	WG2543444
Trichlorofluoromethane	ND		0.00287	1	06/21/2025 06:57	WG2543444
1,2,3-Trichloropropane	ND		0.0143	1	06/21/2025 06:57	WG2543444
1,2,3-Trimethylbenzene	ND		0.00574	1	06/21/2025 06:57	WG2543444
1,2,4-Trimethylbenzene	ND		0.00574	1	06/21/2025 06:57	WG2543444
1,3,5-Trimethylbenzene	ND		0.00574	1	06/21/2025 06:57	WG2543444
Vinyl chloride	ND		0.00287	1	06/21/2025 06:57	WG2543444
Xylenes, Total	ND		0.115	1	06/21/2025 06:57	WG2543444
(S) Toluene-d8	*104*		*75.0-131*		*06/21/2025 06:57*	WG2543444
(S) 4-Bromofluorobenzene	*103*		*67.0-138*		*06/21/2025 06:57*	WG2543444
(S) 1,2-Dichloroethane-d4	*89.7*		*70.0-130*		*06/21/2025 06:57*	WG2543444

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	4.96		4.29	1	06/30/2025 11:48	WG2547464
C28-C36 Motor Oil Range	18.7		4.29	1	06/30/2025 11:48	WG2547464
(S) o-Terphenyl	*81.1*		*18.0-148*		*06/30/2025 11:48*	WG2547464

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		0.0715	2	06/26/2025 21:47	WG2544065
Benzidine	ND	J4	3.59	2	06/26/2025 21:47	WG2544065
Benzo(g,h,i)perylene	ND		0.0715	2	06/26/2025 21:47	WG2544065
Bis(2-chlorethoxy)methane	ND	C3	0.715	2	06/26/2025 21:47	WG2544065
Bis(2-chloroethyl)ether	ND	C3	0.715	2	06/26/2025 21:47	WG2544065
2,2-Oxybis(1-Chloropropane)	ND	C3	0.715	2	06/26/2025 21:47	WG2544065
4-Bromophenyl-phenylether	ND		0.715	2	06/26/2025 21:47	WG2544065
2-Chloronaphthalene	ND		0.0715	2	06/26/2025 21:47	WG2544065
4-Chlorophenyl-phenylether	ND		0.715	2	06/26/2025 21:47	WG2544065
1,2-Dichlorobenzene	ND		0.715	2	06/26/2025 21:47	WG2544065
1,3-Dichlorobenzene	ND		0.715	2	06/26/2025 21:47	WG2544065
1,4-Dichlorobenzene	ND		0.715	2	06/26/2025 21:47	WG2544065
3,3-Dichlorobenzidine	ND		0.715	2	06/26/2025 21:47	WG2544065
2,4-Dinitrotoluene	ND		0.715	2	06/26/2025 21:47	WG2544065
2,6-Dinitrotoluene	ND		0.715	2	06/26/2025 21:47	WG2544065
Hexachlorobenzene	ND		0.715	2	06/26/2025 21:47	WG2544065
Hexachloro-1,3-butadiene	ND		0.715	2	06/26/2025 21:47	WG2544065
Hexachlorocyclopentadiene	ND	C3 C7	0.715	2	06/26/2025 21:47	WG2544065
Hexachloroethane	ND		0.715	2	06/26/2025 21:47	WG2544065
Isophorone	ND		0.715	2	06/26/2025 21:47	WG2544065
Nitrobenzene	ND	C3	0.715	2	06/26/2025 21:47	WG2544065
n-Nitrosodimethylamine	ND		0.715	2	06/26/2025 21:47	WG2544065
n-Nitrosodiphenylamine	ND		0.715	2	06/26/2025 21:47	WG2544065
n-Nitrosodi-n-propylamine	ND		0.715	2	06/26/2025 21:47	WG2544065
Phenanthrene	ND		0.0715	2	06/26/2025 21:47	WG2544065
Benzylbutyl phthalate	ND		0.715	2	06/26/2025 21:47	WG2544065
Bis(2-ethylhexyl)phthalate	ND		0.715	2	06/26/2025 21:47	WG2544065
Di-n-butyl phthalate	ND		0.715	2	06/26/2025 21:47	WG2544065
Diethyl phthalate	ND		0.715	2	06/26/2025 21:47	WG2544065
Dimethyl phthalate	ND		0.715	2	06/26/2025 21:47	WG2544065
Di-n-octyl phthalate	ND		0.715	2	06/26/2025 21:47	WG2544065
1,2,4-Trichlorobenzene	ND		0.715	2	06/26/2025 21:47	WG2544065
4-Chloro-3-methylphenol	ND		0.715	2	06/26/2025 21:47	WG2544065
2-Chlorophenol	ND		0.715	2	06/26/2025 21:47	WG2544065
2,4-Dichlorophenol	ND		0.715	2	06/26/2025 21:47	WG2544065
2,4-Dimethylphenol	ND	C4	0.715	2	06/26/2025 21:47	WG2544065
4,6-Dinitro-2-methylphenol	ND		0.715	2	06/26/2025 21:47	WG2544065
2,4-Dinitrophenol	ND		0.715	2	06/26/2025 21:47	WG2544065
2-Nitrophenol	ND		0.715	2	06/26/2025 21:47	WG2544065
4-Nitrophenol	ND		0.715	2	06/26/2025 21:47	WG2544065
Pentachlorophenol	ND	C3	0.715	2	06/26/2025 21:47	WG2544065
Phenol	ND		0.715	2	06/26/2025 21:47	WG2544065
2,4,6-Trichlorophenol	ND		0.715	2	06/26/2025 21:47	WG2544065
(S) 2-Fluorophenol	*67.6*		*12.0-120*		*06/26/2025 21:47*	WG2544065
(S) Phenol-d5	*58.9*		*10.0-120*		*06/26/2025 21:47*	WG2544065
(S) Nitrobenzene-d5	*64.3*		*10.0-122*		*06/26/2025 21:47*	WG2544065
(S) 2-Fluorobiphenyl	*69.3*		*15.0-120*		*06/26/2025 21:47*	WG2544065
(S) 2,4,6-Tribromophenol	*106*		*10.0-127*		*06/26/2025 21:47*	WG2544065
(S) p-Terphenyl-d14	*75.2*		*10.0-120*		*06/26/2025 21:47*	WG2544065

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

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

Sample Narrative:

L1871603-05 WG2544065: 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	J4	0.0354	1	06/26/2025 21:23	WG2547085
Acenaphthene	ND		0.0354	1	06/26/2025 21:23	WG2547085
Acenaphthylene	ND		0.0354	1	06/26/2025 21:23	WG2547085
Benzo(a)anthracene	ND	J4	0.00644	1	06/26/2025 21:23	WG2547085
Benzo(a)pyrene	ND		0.0354	1	06/26/2025 21:23	WG2547085
Benzo(b)fluoranthene	ND	J4	0.0354	1	06/26/2025 21:23	WG2547085
Benzo(g,h,i)perylene	ND	J4	0.0354	1	06/26/2025 21:23	WG2547085
Benzo(k)fluoranthene	ND	J4	0.0354	1	06/26/2025 21:23	WG2547085
Chrysene	ND	J4	0.0354	1	06/26/2025 21:23	WG2547085
Dibenz(a,h)anthracene	ND	J4	0.0354	1	06/26/2025 21:23	WG2547085
Fluoranthene	ND	J4	0.0354	1	06/26/2025 21:23	WG2547085
Fluorene	ND	J4	0.0354	1	06/26/2025 21:23	WG2547085
Indeno(1,2,3-cd)pyrene	ND	J4	0.0354	1	06/26/2025 21:23	WG2547085
Naphthalene	ND		0.00322	1	06/26/2025 21:23	WG2547085
Phenanthrene	ND	J4	0.0354	1	06/26/2025 21:23	WG2547085
Pyrene	ND	J4	0.0354	1	06/26/2025 21:23	WG2547085
1-Methylnaphthalene	ND		0.00322	1	06/26/2025 21:23	WG2547085
2-Methylnaphthalene	ND		0.0129	1	06/26/2025 21:23	WG2547085
(S) p-Terphenyl-d14	*119*		*23.0-120*		*06/26/2025 21:23*	WG2547085
(S) Nitrobenzene-d5	*111*		*14.0-149*		*06/26/2025 21:23*	WG2547085
(S) 2-Fluorobiphenyl	*113*		*34.0-125*		*06/26/2025 21:23*	WG2547085

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.233		1	06/27/2025 05:08	WG2546137

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	375		21.6	1	06/27/2025 11:07	WG2543944

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.5		1	06/20/2025 15:26	WG2543244

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	06/25/2025 15:47	WG2544513

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	375		107	5	06/27/2025 11:07	WG2547585

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	06/27/2025 15:07	WG2544394

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.55		1	06/27/2025 12:18	WG2548099

Sample Narrative:

L1871603-06 WG2548099: 7.55 at 23.4C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	235	umhos/cm		10.0	1	06/27/2025 23:40	WG2548101

Sample Narrative:

L1871603-06 WG2548101: 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	1.01	06/22/2025 02:15	WG2543944

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	3750		200	2	06/25/2025 02:30	WG2544368

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	2160		21.4	1	06/23/2025 10:18	WG2544342
Antimony	ND		2.14	1	06/23/2025 10:18	WG2544342
Beryllium	ND		0.214	1	06/23/2025 10:18	WG2544342
Calcium	1280		107	1	06/23/2025 10:18	WG2544342
Chromium	3.62		1.07	1	06/23/2025 10:18	WG2544342
Cobalt	1.86		1.07	1	06/23/2025 10:18	WG2544342
Iron	4040		10.7	1	06/23/2025 10:18	WG2544342
Magnesium	971		107	1	06/23/2025 10:18	WG2544342
Manganese	95.6		1.07	1	06/23/2025 10:18	WG2544342
Potassium	1190		107	1	06/23/2025 10:18	WG2544342
Sodium	ND		107	1	06/23/2025 10:18	WG2544342
Thallium	ND		2.14	1	06/23/2025 10:18	WG2544342
Vanadium	6.40		2.14	1	06/23/2025 10:18	WG2544342

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.363		0.100	1	06/27/2025 16:35	WG2548045

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.24		0.107	5	06/23/2025 21:27	WG2544351
Barium	25.5		10.7	5	06/23/2025 21:27	WG2544351
Cadmium	ND		0.107	5	06/23/2025 21:27	WG2544351
Copper	ND		10.7	5	06/23/2025 21:27	WG2544351
Lead	ND		10.7	5	06/23/2025 21:27	WG2544351
Nickel	ND		10.7	5	06/23/2025 21:27	WG2544351
Selenium	0.225		0.107	5	06/23/2025 21:27	WG2544351
Silver	ND		0.535	5	06/23/2025 21:27	WG2544351
Zinc	ND		53.5	5	06/23/2025 21:27	WG2544351

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		2.85	25	06/22/2025 01:55	WG2543841
(S) a,a,a-Trifluorotoluene(FID)	*96.6*		*77.0-120*		*06/22/2025 01:55*	WG2543841

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	06/21/2025 07:16	WG2543444
Acrylonitrile	ND		0.0142	1	06/21/2025 07:16	WG2543444
Benzene	ND		0.00114	1	06/21/2025 07:16	WG2543444
Bromobenzene	ND		0.0142	1	06/21/2025 07:16	WG2543444
Bromodichloromethane	ND		0.00285	1	06/21/2025 07:16	WG2543444
Bromoform	ND		0.0285	1	06/21/2025 07:16	WG2543444
Bromomethane	ND		0.0142	1	06/21/2025 07:16	WG2543444
n-Butylbenzene	ND		0.0142	1	06/21/2025 07:16	WG2543444
sec-Butylbenzene	ND		0.0142	1	06/21/2025 07:16	WG2543444
tert-Butylbenzene	ND		0.00569	1	06/21/2025 07:16	WG2543444
Carbon tetrachloride	ND		0.00569	1	06/21/2025 07:16	WG2543444
Chlorobenzene	ND		0.00285	1	06/21/2025 07:16	WG2543444
Chlorodibromomethane	ND		0.00285	1	06/21/2025 07:16	WG2543444

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	06/21/2025 07:16	WG2543444
Chloroform	ND		0.00285	1	06/21/2025 07:16	WG2543444
Chloromethane	ND		0.0142	1	06/21/2025 07:16	WG2543444
2-Chlorotoluene	ND		0.00285	1	06/21/2025 07:16	WG2543444
4-Chlorotoluene	ND		0.00569	1	06/21/2025 07:16	WG2543444
1,2-Dibromo-3-Chloropropane	ND		0.0285	1	06/21/2025 07:16	WG2543444
1,2-Dibromoethane	ND		0.00285	1	06/21/2025 07:16	WG2543444
Dibromomethane	ND		0.00569	1	06/21/2025 07:16	WG2543444
1,2-Dichlorobenzene	ND		0.00569	1	06/21/2025 07:16	WG2543444
1,3-Dichlorobenzene	ND		0.00569	1	06/21/2025 07:16	WG2543444
1,4-Dichlorobenzene	ND		0.00569	1	06/21/2025 07:16	WG2543444
Dichlorodifluoromethane	ND		0.00569	1	06/21/2025 07:16	WG2543444
1,1-Dichloroethane	ND		0.00285	1	06/21/2025 07:16	WG2543444
1,2-Dichloroethane	ND		0.00285	1	06/21/2025 07:16	WG2543444
1,1-Dichloroethene	ND		0.00285	1	06/21/2025 07:16	WG2543444
cis-1,2-Dichloroethene	ND		0.00285	1	06/21/2025 07:16	WG2543444
trans-1,2-Dichloroethene	ND		0.00569	1	06/21/2025 07:16	WG2543444
1,2-Dichloropropane	ND		0.00569	1	06/21/2025 07:16	WG2543444
1,1-Dichloropropene	ND		0.00285	1	06/21/2025 07:16	WG2543444
1,3-Dichloropropane	ND		0.00569	1	06/21/2025 07:16	WG2543444
cis-1,3-Dichloropropene	ND		0.00285	1	06/21/2025 07:16	WG2543444
trans-1,3-Dichloropropene	ND		0.00569	1	06/21/2025 07:16	WG2543444
2,2-Dichloropropane	ND		0.00285	1	06/21/2025 07:16	WG2543444
Di-isopropyl ether	ND		0.00114	1	06/21/2025 07:16	WG2543444
Ethylbenzene	ND		0.0114	1	06/21/2025 07:16	WG2543444
Hexachloro-1,3-butadiene	ND	C3	0.0285	1	06/21/2025 07:16	WG2543444
Isopropylbenzene	ND		0.00285	1	06/21/2025 07:16	WG2543444
p-Isopropyltoluene	ND		0.00569	1	06/21/2025 07:16	WG2543444
2-Butanone (MEK)	ND		0.114	1	06/21/2025 07:16	WG2543444
Methylene Chloride	ND		0.0285	1	06/21/2025 07:16	WG2543444
4-Methyl-2-pentanone (MIBK)	ND		0.0285	1	06/21/2025 07:16	WG2543444
Methyl tert-butyl ether	ND		0.00114	1	06/21/2025 07:16	WG2543444
n-Propylbenzene	ND		0.00569	1	06/21/2025 07:16	WG2543444
Styrene	ND		0.0142	1	06/21/2025 07:16	WG2543444
1,1,1,2-Tetrachloroethane	ND		0.00285	1	06/21/2025 07:16	WG2543444
1,1,2,2-Tetrachloroethane	ND		0.00285	1	06/21/2025 07:16	WG2543444
1,1,2-Trichlorotrifluoroethane	ND		0.00285	1	06/21/2025 07:16	WG2543444
Tetrachloroethene	ND		0.00285	1	06/21/2025 07:16	WG2543444
Toluene	ND		0.0114	1	06/21/2025 07:16	WG2543444
1,2,3-Trichlorobenzene	ND	C3	0.0142	1	06/21/2025 07:16	WG2543444
1,2,4-Trichlorobenzene	ND		0.0142	1	06/21/2025 07:16	WG2543444
1,1,1-Trichloroethane	ND		0.00285	1	06/21/2025 07:16	WG2543444
1,1,2-Trichloroethane	ND		0.00285	1	06/21/2025 07:16	WG2543444
Trichloroethene	ND		0.00114	1	06/21/2025 07:16	WG2543444
Trichlorofluoromethane	ND		0.00285	1	06/21/2025 07:16	WG2543444
1,2,3-Trichloropropane	ND		0.0142	1	06/21/2025 07:16	WG2543444
1,2,3-Trimethylbenzene	ND		0.00569	1	06/21/2025 07:16	WG2543444
1,2,4-Trimethylbenzene	ND		0.00569	1	06/21/2025 07:16	WG2543444
1,3,5-Trimethylbenzene	ND		0.00569	1	06/21/2025 07:16	WG2543444
Vinyl chloride	ND		0.00285	1	06/21/2025 07:16	WG2543444
Xylenes, Total	ND		0.114	1	06/21/2025 07:16	WG2543444
(S) Toluene-d8	*103*		*75.0-131*		*06/21/2025 07:16*	WG2543444
(S) 4-Bromofluorobenzene	*102*		*67.0-138*		*06/21/2025 07:16*	WG2543444
(S) 1,2-Dichloroethane-d4	*89.2*		*70.0-130*		*06/21/2025 07:16*	WG2543444

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		4.28	1	06/30/2025 12:59	WG2547464
C28-C36 Motor Oil Range	16.8		4.28	1	06/30/2025 12:59	WG2547464
(S) o-Terphenyl	*55.5*		*18.0-148*		*06/30/2025 12:59*	WG2547464

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	06/26/2025 22:07	WG2544065
Benzidine	ND	J4	3.57	2	06/26/2025 22:07	WG2544065
Benzo(g,h,i)perylene	ND		0.0712	2	06/26/2025 22:07	WG2544065
Bis(2-chlorethoxy)methane	ND	C3	0.712	2	06/26/2025 22:07	WG2544065
Bis(2-chloroethyl)ether	ND	C3	0.712	2	06/26/2025 22:07	WG2544065
2,2-Oxybis(1-Chloropropane)	ND	C3	0.712	2	06/26/2025 22:07	WG2544065
4-Bromophenyl-phenylether	ND		0.712	2	06/26/2025 22:07	WG2544065
2-Chloronaphthalene	ND		0.0712	2	06/26/2025 22:07	WG2544065
4-Chlorophenyl-phenylether	ND		0.712	2	06/26/2025 22:07	WG2544065
1,2-Dichlorobenzene	ND		0.712	2	06/26/2025 22:07	WG2544065
1,3-Dichlorobenzene	ND		0.712	2	06/26/2025 22:07	WG2544065
1,4-Dichlorobenzene	ND		0.712	2	06/26/2025 22:07	WG2544065
3,3-Dichlorobenzidine	ND		0.712	2	06/26/2025 22:07	WG2544065
2,4-Dinitrotoluene	ND		0.712	2	06/26/2025 22:07	WG2544065
2,6-Dinitrotoluene	ND		0.712	2	06/26/2025 22:07	WG2544065
Hexachlorobenzene	ND		0.712	2	06/26/2025 22:07	WG2544065
Hexachloro-1,3-butadiene	ND		0.712	2	06/26/2025 22:07	WG2544065
Hexachlorocyclopentadiene	ND	C3 C7	0.712	2	06/26/2025 22:07	WG2544065
Hexachloroethane	ND		0.712	2	06/26/2025 22:07	WG2544065
Isophorone	ND		0.712	2	06/26/2025 22:07	WG2544065
Nitrobenzene	ND	C3	0.712	2	06/26/2025 22:07	WG2544065
n-Nitrosodimethylamine	ND		0.712	2	06/26/2025 22:07	WG2544065
n-Nitrosodiphenylamine	ND		0.712	2	06/26/2025 22:07	WG2544065
n-Nitrosodi-n-propylamine	ND		0.712	2	06/26/2025 22:07	WG2544065
Phenanthrene	ND		0.0712	2	06/26/2025 22:07	WG2544065
Benzylbutyl phthalate	ND		0.712	2	06/26/2025 22:07	WG2544065
Bis(2-ethylhexyl)phthalate	ND		0.712	2	06/26/2025 22:07	WG2544065
Di-n-butyl phthalate	ND		0.712	2	06/26/2025 22:07	WG2544065
Diethyl phthalate	ND		0.712	2	06/26/2025 22:07	WG2544065
Dimethyl phthalate	ND		0.712	2	06/26/2025 22:07	WG2544065
Di-n-octyl phthalate	ND		0.712	2	06/26/2025 22:07	WG2544065
1,2,4-Trichlorobenzene	ND		0.712	2	06/26/2025 22:07	WG2544065
4-Chloro-3-methylphenol	ND		0.712	2	06/26/2025 22:07	WG2544065
2-Chlorophenol	ND		0.712	2	06/26/2025 22:07	WG2544065
2,4-Dichlorophenol	ND		0.712	2	06/26/2025 22:07	WG2544065
2,4-Dimethylphenol	ND	C4	0.712	2	06/26/2025 22:07	WG2544065
4,6-Dinitro-2-methylphenol	ND		0.712	2	06/26/2025 22:07	WG2544065
2,4-Dinitrophenol	ND		0.712	2	06/26/2025 22:07	WG2544065
2-Nitrophenol	ND		0.712	2	06/26/2025 22:07	WG2544065
4-Nitrophenol	ND		0.712	2	06/26/2025 22:07	WG2544065
Pentachlorophenol	ND	C3	0.712	2	06/26/2025 22:07	WG2544065
Phenol	ND		0.712	2	06/26/2025 22:07	WG2544065
2,4,6-Trichlorophenol	ND		0.712	2	06/26/2025 22:07	WG2544065
(S) 2-Fluorophenol	*62.2*		*12.0-120*		*06/26/2025 22:07*	WG2544065
(S) Phenol-d5	*57.4*		*10.0-120*		*06/26/2025 22:07*	WG2544065
(S) Nitrobenzene-d5	*58.5*		*10.0-122*		*06/26/2025 22:07*	WG2544065
(S) 2-Fluorobiphenyl	*63.6*		*15.0-120*		*06/26/2025 22:07*	WG2544065
(S) 2,4,6-Tribromophenol	*97.0*		*10.0-127*		*06/26/2025 22:07*	WG2544065
(S) p-Terphenyl-d14	*68.0*		*10.0-120*		*06/26/2025 22:07*	WG2544065

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

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

Sample Narrative:

L1871603-06 WG2544065: 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	J4	0.0353	1	06/26/2025 23:26	WG2547085
Acenaphthene	ND		0.0353	1	06/26/2025 23:26	WG2547085
Acenaphthylene	ND		0.0353	1	06/26/2025 23:26	WG2547085
Benzo(a)anthracene	ND	J4	0.00642	1	06/26/2025 23:26	WG2547085
Benzo(a)pyrene	ND		0.0353	1	06/26/2025 23:26	WG2547085
Benzo(b)fluoranthene	ND	J4	0.0353	1	06/26/2025 23:26	WG2547085
Benzo(g,h,i)perylene	ND	J4	0.0353	1	06/26/2025 23:26	WG2547085
Benzo(k)fluoranthene	ND	J4	0.0353	1	06/26/2025 23:26	WG2547085
Chrysene	ND	J4	0.0353	1	06/26/2025 23:26	WG2547085
Dibenz(a,h)anthracene	ND	J4	0.0353	1	06/26/2025 23:26	WG2547085
Fluoranthene	ND	J4	0.0353	1	06/26/2025 23:26	WG2547085
Fluorene	ND	J4	0.0353	1	06/26/2025 23:26	WG2547085
Indeno(1,2,3-cd)pyrene	ND	J4	0.0353	1	06/26/2025 23:26	WG2547085
Naphthalene	ND		0.00321	1	06/26/2025 23:26	WG2547085
Phenanthrene	ND	J4	0.0353	1	06/26/2025 23:26	WG2547085
Pyrene	ND	J4	0.0353	1	06/26/2025 23:26	WG2547085
1-Methylnaphthalene	ND		0.00321	1	06/26/2025 23:26	WG2547085
2-Methylnaphthalene	ND		0.0128	1	06/26/2025 23:26	WG2547085
(S) p-Terphenyl-d14	*116*		*23.0-120*		*06/26/2025 23:26*	WG2547085
(S) Nitrobenzene-d5	*109*		*14.0-149*		*06/26/2025 23:26*	WG2547085
(S) 2-Fluorobiphenyl	*110*		*34.0-125*		*06/26/2025 23:26*	WG2547085

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.406		1	06/27/2025 05:10	WG2546137

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1740		23.4	1	06/27/2025 11:09	WG2543944

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.1		1	06/20/2025 15:26	WG2543244

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11.3	1	06/25/2025 15:49	WG2544513

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	1730		113	5	06/27/2025 11:09	WG2547585

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.227	1	06/27/2025 15:16	WG2544394

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.95		1	06/27/2025 12:18	WG2548099

Sample Narrative:

L1871603-07 WG2548099: 7.95 at 23.8C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	467	umhos/cm		10.0	1	06/27/2025 23:40	WG2548101

Sample Narrative:

L1871603-07 WG2548101: 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		23.4	1.03	06/22/2025 02:29	WG2543944

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	18400		500	5	06/25/2025 02:30	WG2544368

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	6330		22.7	1	06/23/2025 10:20	WG2544342
Antimony	ND		2.27	1	06/23/2025 10:20	WG2544342
Beryllium	0.554		0.227	1	06/23/2025 10:20	WG2544342
Calcium	6190		113	1	06/23/2025 10:20	WG2544342
Chromium	6.97		1.13	1	06/23/2025 10:20	WG2544342
Cobalt	4.89		1.13	1	06/23/2025 10:20	WG2544342
Iron	8800		11.3	1	06/23/2025 10:20	WG2544342
Magnesium	2820		113	1	06/23/2025 10:20	WG2544342
Manganese	293		1.13	1	06/23/2025 10:20	WG2544342
Potassium	3150		113	1	06/23/2025 10:20	WG2544342
Sodium	ND		113	1	06/23/2025 10:20	WG2544342
Thallium	ND		2.27	1	06/23/2025 10:20	WG2544342
Vanadium	15.9		2.27	1	06/23/2025 10:20	WG2544342

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.546		0.100	1	06/27/2025 16:38	WG2548045

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.27		0.113	5	06/23/2025 21:30	WG2544351
Barium	82.3		11.3	5	06/23/2025 21:30	WG2544351
Cadmium	0.252		0.113	5	06/23/2025 21:30	WG2544351
Copper	ND		11.3	5	06/23/2025 21:30	WG2544351
Lead	ND		11.3	5	06/23/2025 21:30	WG2544351
Nickel	ND		11.3	5	06/23/2025 21:30	WG2544351
Selenium	0.516		0.113	5	06/23/2025 21:30	WG2544351
Silver	ND		0.567	5	06/23/2025 21:30	WG2544351
Zinc	ND		56.7	5	06/23/2025 21:30	WG2544351

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		3.17	25	06/21/2025 05:02	WG2543114
(S) a,a,a-Trifluorotoluene(FID)	*101*		*77.0-120*		*06/21/2025 05:02*	WG2543114

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	0.0635	1	06/21/2025 07:35	WG2543444
Acrylonitrile	ND		0.0159	1	06/21/2025 07:35	WG2543444
Benzene	ND		0.00127	1	06/21/2025 07:35	WG2543444
Bromobenzene	ND		0.0159	1	06/21/2025 07:35	WG2543444
Bromodichloromethane	ND		0.00317	1	06/21/2025 07:35	WG2543444
Bromoform	ND		0.0317	1	06/21/2025 07:35	WG2543444
Bromomethane	ND		0.0159	1	06/21/2025 07:35	WG2543444
n-Butylbenzene	ND		0.0159	1	06/21/2025 07:35	WG2543444
sec-Butylbenzene	ND		0.0159	1	06/21/2025 07:35	WG2543444
tert-Butylbenzene	ND		0.00635	1	06/21/2025 07:35	WG2543444
Carbon tetrachloride	ND		0.00635	1	06/21/2025 07:35	WG2543444
Chlorobenzene	ND		0.00317	1	06/21/2025 07:35	WG2543444
Chlorodibromomethane	ND		0.00317	1	06/21/2025 07:35	WG2543444

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		0.00635	1	06/21/2025 07:35	WG2543444
Chloroform	ND		0.00317	1	06/21/2025 07:35	WG2543444
Chloromethane	ND		0.0159	1	06/21/2025 07:35	WG2543444
2-Chlorotoluene	ND		0.00317	1	06/21/2025 07:35	WG2543444
4-Chlorotoluene	ND		0.00635	1	06/21/2025 07:35	WG2543444
1,2-Dibromo-3-Chloropropane	ND		0.0317	1	06/21/2025 07:35	WG2543444
1,2-Dibromoethane	ND		0.00317	1	06/21/2025 07:35	WG2543444
Dibromomethane	ND		0.00635	1	06/21/2025 07:35	WG2543444
1,2-Dichlorobenzene	ND		0.00635	1	06/21/2025 07:35	WG2543444
1,3-Dichlorobenzene	ND		0.00635	1	06/21/2025 07:35	WG2543444
1,4-Dichlorobenzene	ND		0.00635	1	06/21/2025 07:35	WG2543444
Dichlorodifluoromethane	ND		0.00635	1	06/21/2025 07:35	WG2543444
1,1-Dichloroethane	ND		0.00317	1	06/21/2025 07:35	WG2543444
1,2-Dichloroethane	ND		0.00317	1	06/21/2025 07:35	WG2543444
1,1-Dichloroethene	ND		0.00317	1	06/21/2025 07:35	WG2543444
cis-1,2-Dichloroethene	ND		0.00317	1	06/21/2025 07:35	WG2543444
trans-1,2-Dichloroethene	ND		0.00635	1	06/21/2025 07:35	WG2543444
1,2-Dichloropropane	ND		0.00635	1	06/21/2025 07:35	WG2543444
1,1-Dichloropropene	ND		0.00317	1	06/21/2025 07:35	WG2543444
1,3-Dichloropropane	ND		0.00635	1	06/21/2025 07:35	WG2543444
cis-1,3-Dichloropropene	ND		0.00317	1	06/21/2025 07:35	WG2543444
trans-1,3-Dichloropropene	ND		0.00635	1	06/21/2025 07:35	WG2543444
2,2-Dichloropropane	ND		0.00317	1	06/21/2025 07:35	WG2543444
Di-isopropyl ether	ND		0.00127	1	06/21/2025 07:35	WG2543444
Ethylbenzene	ND		0.0127	1	06/21/2025 07:35	WG2543444
Hexachloro-1,3-butadiene	ND	C3	0.0317	1	06/21/2025 07:35	WG2543444
Isopropylbenzene	ND		0.00317	1	06/21/2025 07:35	WG2543444
p-Isopropyltoluene	ND		0.00635	1	06/21/2025 07:35	WG2543444
2-Butanone (MEK)	ND		0.127	1	06/21/2025 07:35	WG2543444
Methylene Chloride	ND		0.0317	1	06/21/2025 07:35	WG2543444
4-Methyl-2-pentanone (MIBK)	ND		0.0317	1	06/21/2025 07:35	WG2543444
Methyl tert-butyl ether	ND		0.00127	1	06/21/2025 07:35	WG2543444
n-Propylbenzene	ND		0.00635	1	06/21/2025 07:35	WG2543444
Styrene	ND		0.0159	1	06/21/2025 07:35	WG2543444
1,1,1,2-Tetrachloroethane	ND		0.00317	1	06/21/2025 07:35	WG2543444
1,1,2,2-Tetrachloroethane	ND		0.00317	1	06/21/2025 07:35	WG2543444
1,1,2-Trichlorotrifluoroethane	ND		0.00317	1	06/21/2025 07:35	WG2543444
Tetrachloroethene	ND		0.00317	1	06/21/2025 07:35	WG2543444
Toluene	ND		0.0127	1	06/21/2025 07:35	WG2543444
1,2,3-Trichlorobenzene	ND	C3	0.0159	1	06/21/2025 07:35	WG2543444
1,2,4-Trichlorobenzene	ND		0.0159	1	06/21/2025 07:35	WG2543444
1,1,1-Trichloroethane	ND		0.00317	1	06/21/2025 07:35	WG2543444
1,1,2-Trichloroethane	ND		0.00317	1	06/21/2025 07:35	WG2543444
Trichloroethene	ND		0.00127	1	06/21/2025 07:35	WG2543444
Trichlorofluoromethane	ND		0.00317	1	06/21/2025 07:35	WG2543444
1,2,3-Trichloropropane	ND		0.0159	1	06/21/2025 07:35	WG2543444
1,2,3-Trimethylbenzene	ND		0.00635	1	06/21/2025 07:35	WG2543444
1,2,4-Trimethylbenzene	ND		0.00635	1	06/21/2025 07:35	WG2543444
1,3,5-Trimethylbenzene	ND		0.00635	1	06/21/2025 07:35	WG2543444
Vinyl chloride	ND		0.00317	1	06/21/2025 07:35	WG2543444
Xylenes, Total	ND		0.127	1	06/21/2025 07:35	WG2543444
(S) Toluene-d8	*103*		*75.0-131*		*06/21/2025 07:35*	WG2543444
(S) 4-Bromofluorobenzene	*101*		*67.0-138*		*06/21/2025 07:35*	WG2543444
(S) 1,2-Dichloroethane-d4	*89.9*		*70.0-130*		*06/21/2025 07:35*	WG2543444

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	12.7		4.54	1	06/30/2025 11:48	WG2547464
C28-C36 Motor Oil Range	77.8		4.54	1	06/30/2025 11:48	WG2547464
(S) o-Terphenyl	*72.7*		*18.0-148*		*06/30/2025 11:48*	WG2547464

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		0.0378	1	07/01/2025 17:20	WG2548983
Benzidine	ND	J4	1.90	1	07/01/2025 17:20	WG2548983
Benzo(g,h,i)perylene	ND		0.0378	1	07/01/2025 17:20	WG2548983
Bis(2-chlorethoxy)methane	ND		0.378	1	07/01/2025 17:20	WG2548983
Bis(2-chloroethyl)ether	ND		0.378	1	07/01/2025 17:20	WG2548983
2,2-Oxybis(1-Chloropropane)	ND		0.378	1	07/01/2025 17:20	WG2548983
4-Bromophenyl-phenylether	ND		0.378	1	07/01/2025 17:20	WG2548983
2-Chloronaphthalene	ND		0.0378	1	07/01/2025 17:20	WG2548983
4-Chlorophenyl-phenylether	ND		0.378	1	07/01/2025 17:20	WG2548983
1,2-Dichlorobenzene	ND		0.378	1	07/01/2025 17:20	WG2548983
1,3-Dichlorobenzene	ND		0.378	1	07/01/2025 17:20	WG2548983
1,4-Dichlorobenzene	ND		0.378	1	07/01/2025 17:20	WG2548983
3,3-Dichlorobenzidine	ND		0.378	1	07/01/2025 17:20	WG2548983
2,4-Dinitrotoluene	ND		0.378	1	07/01/2025 17:20	WG2548983
2,6-Dinitrotoluene	ND		0.378	1	07/01/2025 17:20	WG2548983
Hexachlorobenzene	ND		0.378	1	07/01/2025 17:20	WG2548983
Hexachloro-1,3-butadiene	ND		0.378	1	07/01/2025 17:20	WG2548983
Hexachlorocyclopentadiene	ND	C7	0.378	1	07/01/2025 17:20	WG2548983
Hexachloroethane	ND		0.378	1	07/01/2025 17:20	WG2548983
Isophorone	ND		0.378	1	07/01/2025 17:20	WG2548983
Nitrobenzene	ND		0.378	1	07/01/2025 17:20	WG2548983
n-Nitrosodimethylamine	ND		0.378	1	07/01/2025 17:20	WG2548983
n-Nitrosodiphenylamine	ND		0.378	1	07/01/2025 17:20	WG2548983
n-Nitrosodi-n-propylamine	ND		0.378	1	07/01/2025 17:20	WG2548983
Phenanthrene	ND		0.0378	1	07/01/2025 17:20	WG2548983
Benzylbutyl phthalate	ND		0.378	1	07/01/2025 17:20	WG2548983
Bis(2-ethylhexyl)phthalate	ND		0.378	1	07/01/2025 17:20	WG2548983
Di-n-butyl phthalate	ND		0.378	1	07/01/2025 17:20	WG2548983
Diethyl phthalate	ND		0.378	1	07/01/2025 17:20	WG2548983
Dimethyl phthalate	ND		0.378	1	07/01/2025 17:20	WG2548983
Di-n-octyl phthalate	ND		0.378	1	07/01/2025 17:20	WG2548983
1,2,4-Trichlorobenzene	ND		0.378	1	07/01/2025 17:20	WG2548983
4-Chloro-3-methylphenol	ND		0.378	1	07/01/2025 17:20	WG2548983
2-Chlorophenol	ND		0.378	1	07/01/2025 17:20	WG2548983
2,4-Dichlorophenol	ND		0.378	1	07/01/2025 17:20	WG2548983
2,4-Dimethylphenol	ND		0.378	1	07/01/2025 17:20	WG2548983
4,6-Dinitro-2-methylphenol	ND		0.378	1	07/01/2025 17:20	WG2548983
2,4-Dinitrophenol	ND		0.378	1	07/01/2025 17:20	WG2548983
2-Nitrophenol	ND		0.378	1	07/01/2025 17:20	WG2548983
4-Nitrophenol	ND		0.378	1	07/01/2025 17:20	WG2548983
Pentachlorophenol	ND		0.378	1	07/01/2025 17:20	WG2548983
Phenol	ND		0.378	1	07/01/2025 17:20	WG2548983
2,4,6-Trichlorophenol	ND		0.378	1	07/01/2025 17:20	WG2548983
(S) 2-Fluorophenol	*59.0*		*12.0-120*		*07/01/2025 17:20*	WG2548983
(S) Phenol-d5	*59.0*		*10.0-120*		*07/01/2025 17:20*	WG2548983
(S) Nitrobenzene-d5	*60.7*		*10.0-122*		*07/01/2025 17:20*	WG2548983
(S) 2-Fluorobiphenyl	*50.3*		*15.0-120*		*07/01/2025 17:20*	WG2548983
(S) 2,4,6-Tribromophenol	*68.0*		*10.0-127*		*07/01/2025 17:20*	WG2548983
(S) p-Terphenyl-d14	*53.7*		*10.0-120*		*07/01/2025 17:20*	WG2548983

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	J4	0.0374	1	06/26/2025 21:41	WG2547085
Acenaphthene	ND		0.0374	1	06/26/2025 21:41	WG2547085
Acenaphthylene	ND		0.0374	1	06/26/2025 21:41	WG2547085
Benzo(a)anthracene	ND	J4	0.00681	1	06/26/2025 21:41	WG2547085
Benzo(a)pyrene	ND		0.0374	1	06/26/2025 21:41	WG2547085
Benzo(b)fluoranthene	ND	J4	0.0374	1	06/26/2025 21:41	WG2547085
Benzo(g,h,i)perylene	ND	J4	0.0374	1	06/26/2025 21:41	WG2547085
Benzo(k)fluoranthene	ND	J4	0.0374	1	06/26/2025 21:41	WG2547085
Chrysene	ND	J4	0.0374	1	06/26/2025 21:41	WG2547085
Dibenz(a,h)anthracene	ND	J4	0.0374	1	06/26/2025 21:41	WG2547085
Fluoranthene	ND	J4	0.0374	1	06/26/2025 21:41	WG2547085
Fluorene	ND	J4	0.0374	1	06/26/2025 21:41	WG2547085
Indeno(1,2,3-cd)pyrene	ND	J4	0.0374	1	06/26/2025 21:41	WG2547085
Naphthalene	ND		0.00340	1	06/26/2025 21:41	WG2547085
Phenanthrene	ND	J4	0.0374	1	06/26/2025 21:41	WG2547085
Pyrene	ND	J4	0.0374	1	06/26/2025 21:41	WG2547085
1-Methylnaphthalene	ND		0.00340	1	06/26/2025 21:41	WG2547085
2-Methylnaphthalene	ND		0.0136	1	06/26/2025 21:41	WG2547085
(S) p-Terphenyl-d14	*101*		*23.0-120*		*06/26/2025 21:41*	WG2547085
(S) Nitrobenzene-d5	*97.0*		*14.0-149*		*06/26/2025 21:41*	WG2547085
(S) 2-Fluorobiphenyl	*97.1*		*34.0-125*		*06/26/2025 21:41*	WG2547085

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	06/21/2025 05:57	WG2543520
Acrolein	ND		0.0500	1	06/21/2025 05:57	WG2543520
Acrylonitrile	ND		0.0100	1	06/21/2025 05:57	WG2543520
Benzene	ND		0.00100	1	06/21/2025 05:57	WG2543520
Bromobenzene	ND		0.00100	1	06/21/2025 05:57	WG2543520
Bromodichloromethane	ND		0.00100	1	06/21/2025 05:57	WG2543520
Bromoform	ND		0.00100	1	06/21/2025 05:57	WG2543520
Bromomethane	ND		0.00500	1	06/21/2025 05:57	WG2543520
n-Butylbenzene	ND		0.00100	1	06/21/2025 05:57	WG2543520
sec-Butylbenzene	ND		0.00100	1	06/21/2025 05:57	WG2543520
tert-Butylbenzene	ND		0.00100	1	06/21/2025 05:57	WG2543520
Carbon tetrachloride	ND		0.00100	1	06/21/2025 05:57	WG2543520
Chlorobenzene	ND		0.00100	1	06/21/2025 05:57	WG2543520
Chlorodibromomethane	ND		0.00100	1	06/21/2025 05:57	WG2543520
Chloroethane	ND		0.00500	1	06/21/2025 05:57	WG2543520
Chloroform	ND		0.00500	1	06/21/2025 05:57	WG2543520
Chloromethane	ND		0.00250	1	06/21/2025 05:57	WG2543520
2-Chlorotoluene	ND		0.00100	1	06/21/2025 05:57	WG2543520
4-Chlorotoluene	ND		0.00100	1	06/21/2025 05:57	WG2543520
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	06/21/2025 05:57	WG2543520
1,2-Dibromoethane	ND		0.00100	1	06/21/2025 05:57	WG2543520
Dibromomethane	ND		0.00100	1	06/21/2025 05:57	WG2543520
1,2-Dichlorobenzene	ND		0.00100	1	06/21/2025 05:57	WG2543520
1,3-Dichlorobenzene	ND		0.00100	1	06/21/2025 05:57	WG2543520
1,4-Dichlorobenzene	ND		0.00100	1	06/21/2025 05:57	WG2543520
Dichlorodifluoromethane	ND	J3	0.00500	1	06/21/2025 05:57	WG2543520
1,1-Dichloroethane	ND		0.00100	1	06/21/2025 05:57	WG2543520
1,2-Dichloroethane	ND		0.00100	1	06/21/2025 05:57	WG2543520
1,1-Dichloroethene	ND		0.00100	1	06/21/2025 05:57	WG2543520
cis-1,2-Dichloroethene	ND		0.00100	1	06/21/2025 05:57	WG2543520
trans-1,2-Dichloroethene	ND		0.00100	1	06/21/2025 05:57	WG2543520
1,2-Dichloropropane	ND		0.00100	1	06/21/2025 05:57	WG2543520
1,1-Dichloropropene	ND		0.00100	1	06/21/2025 05:57	WG2543520
1,3-Dichloropropane	ND		0.00100	1	06/21/2025 05:57	WG2543520
cis-1,3-Dichloropropene	ND		0.00100	1	06/21/2025 05:57	WG2543520
trans-1,3-Dichloropropene	ND		0.00100	1	06/21/2025 05:57	WG2543520
2,2-Dichloropropane	ND		0.00100	1	06/21/2025 05:57	WG2543520
Di-isopropyl ether	ND		0.00100	1	06/21/2025 05:57	WG2543520
Ethylbenzene	ND		0.00100	1	06/21/2025 05:57	WG2543520
Hexachloro-1,3-butadiene	ND		0.00100	1	06/21/2025 05:57	WG2543520
Isopropylbenzene	ND		0.00100	1	06/21/2025 05:57	WG2543520
p-Isopropyltoluene	ND		0.00100	1	06/21/2025 05:57	WG2543520
2-Butanone (MEK)	ND		0.0100	1	06/21/2025 05:57	WG2543520
Methylene Chloride	ND		0.00500	1	06/21/2025 05:57	WG2543520
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	06/21/2025 05:57	WG2543520
Methyl tert-butyl ether	ND		0.00100	1	06/21/2025 05:57	WG2543520
Naphthalene	ND		0.00500	1	06/21/2025 05:57	WG2543520
n-Propylbenzene	ND		0.00100	1	06/21/2025 05:57	WG2543520
Styrene	ND		0.00100	1	06/21/2025 05:57	WG2543520
1,1,1,2-Tetrachloroethane	ND		0.00100	1	06/21/2025 05:57	WG2543520
1,1,2,2-Tetrachloroethane	ND		0.00100	1	06/21/2025 05:57	WG2543520
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	06/21/2025 05:57	WG2543520
Tetrachloroethene	ND		0.00100	1	06/21/2025 05:57	WG2543520
Toluene	ND		0.00100	1	06/21/2025 05:57	WG2543520
1,2,3-Trichlorobenzene	ND		0.00100	1	06/21/2025 05:57	WG2543520
1,2,4-Trichlorobenzene	ND		0.00100	1	06/21/2025 05:57	WG2543520

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	06/21/2025 05:57	WG2543520
1,1,2-Trichloroethane	ND		0.00100	1	06/21/2025 05:57	WG2543520
Trichloroethene	ND		0.00100	1	06/21/2025 05:57	WG2543520
Trichlorofluoromethane	ND		0.00500	1	06/21/2025 05:57	WG2543520
1,2,3-Trichloropropane	ND		0.00250	1	06/21/2025 05:57	WG2543520
1,2,4-Trimethylbenzene	ND		0.00100	1	06/21/2025 05:57	WG2543520
1,2,3-Trimethylbenzene	ND		0.00100	1	06/21/2025 05:57	WG2543520
1,3,5-Trimethylbenzene	ND		0.00100	1	06/21/2025 05:57	WG2543520
Vinyl chloride	ND		0.00100	1	06/21/2025 05:57	WG2543520
Xylenes, Total	ND		0.00300	1	06/21/2025 05:57	WG2543520
(S) Toluene-d8	*103*		*80.0-120*		*06/21/2025 05:57*	WG2543520
(S) 4-Bromofluorobenzene	*93.2*		*77.0-126*		*06/21/2025 05:57*	WG2543520
(S) 1,2-Dichloroethane-d4	*103*		*70.0-130*		*06/21/2025 05:57*	WG2543520

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.02		1	06/27/2025 05:12	WG2546137

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	3800		111	1	06/27/2025 11:10	WG2543944

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.8		1	06/20/2025 15:26	WG2543244

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	17.4		11.1	1	06/25/2025 15:51	WG2544513

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	3110		111	5	06/27/2025 11:10	WG2547585

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.223	1	06/27/2025 15:25	WG2544394

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.03		1	06/27/2025 12:18	WG2548099

Sample Narrative:

L1871603-09 WG2548099: 7.03 at 23.7C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	5290	umhos/cm		10.0	1	06/27/2025 23:40	WG2548101

Sample Narrative:

L1871603-09 WG2548101: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	692		223	10	06/22/2025 02:42	WG2543944

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	35100		500	5	06/25/2025 02:31	WG2544368

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	4270		22.3	1	06/23/2025 10:21	WG2544342
Antimony	ND		2.23	1	06/23/2025 10:21	WG2544342
Beryllium	0.446		0.223	1	06/23/2025 10:21	WG2544342
Calcium	9370		111	1	06/23/2025 10:21	WG2544342
Chromium	5.65		1.11	1	06/23/2025 10:21	WG2544342
Cobalt	3.76		1.11	1	06/23/2025 10:21	WG2544342
Iron	6490		11.1	1	06/23/2025 10:21	WG2544342
Magnesium	2860		111	1	06/23/2025 10:21	WG2544342
Manganese	273		1.11	1	06/23/2025 10:21	WG2544342
Potassium	2990		111	1	06/23/2025 10:21	WG2544342
Sodium	397		111	1	06/23/2025 10:21	WG2544342
Thallium	ND		2.23	1	06/23/2025 10:21	WG2544342
Vanadium	11.5		2.23	1	06/23/2025 10:21	WG2544342

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.70		0.100	1	06/27/2025 18:55	WG2548045

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.71		0.111	5	06/23/2025 22:13	WG2544351
Barium	72.1		11.1	5	06/23/2025 22:13	WG2544351
Cadmium	0.330		0.111	5	06/23/2025 22:13	WG2544351
Copper	13.4		11.1	5	06/23/2025 22:13	WG2544351
Lead	13.9		11.1	5	06/23/2025 22:13	WG2544351
Nickel	ND		11.1	5	06/23/2025 22:13	WG2544351
Selenium	0.570		0.111	5	06/23/2025 22:13	WG2544351
Silver	ND		0.557	5	06/23/2025 22:13	WG2544351
Zinc	76.3		55.7	5	06/23/2025 22:13	WG2544351

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		3.07	25	06/21/2025 05:24	WG2543114
(S) a,a,a-Trifluorotoluene(FID)	*99.9*		*77.0-120*		*06/21/2025 05:24*	WG2543114

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	0.0614	1	06/21/2025 07:54	WG2543444
Acrylonitrile	ND		0.0154	1	06/21/2025 07:54	WG2543444
Benzene	ND		0.00123	1	06/21/2025 07:54	WG2543444
Bromobenzene	ND		0.0154	1	06/21/2025 07:54	WG2543444
Bromodichloromethane	ND		0.00307	1	06/21/2025 07:54	WG2543444
Bromoform	ND		0.0307	1	06/21/2025 07:54	WG2543444
Bromomethane	ND		0.0154	1	06/21/2025 07:54	WG2543444
n-Butylbenzene	ND		0.0154	1	06/21/2025 07:54	WG2543444
sec-Butylbenzene	ND		0.0154	1	06/21/2025 07:54	WG2543444
tert-Butylbenzene	ND		0.00614	1	06/21/2025 07:54	WG2543444
Carbon tetrachloride	ND		0.00614	1	06/21/2025 07:54	WG2543444
Chlorobenzene	ND		0.00307	1	06/21/2025 07:54	WG2543444
Chlorodibromomethane	ND		0.00307	1	06/21/2025 07:54	WG2543444

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		0.00614	1	06/21/2025 07:54	WG2543444
Chloroform	ND		0.00307	1	06/21/2025 07:54	WG2543444
Chloromethane	ND		0.0154	1	06/21/2025 07:54	WG2543444
2-Chlorotoluene	ND		0.00307	1	06/21/2025 07:54	WG2543444
4-Chlorotoluene	ND		0.00614	1	06/21/2025 07:54	WG2543444
1,2-Dibromo-3-Chloropropane	ND		0.0307	1	06/21/2025 07:54	WG2543444
1,2-Dibromoethane	ND		0.00307	1	06/21/2025 07:54	WG2543444
Dibromomethane	ND		0.00614	1	06/21/2025 07:54	WG2543444
1,2-Dichlorobenzene	ND		0.00614	1	06/21/2025 07:54	WG2543444
1,3-Dichlorobenzene	ND		0.00614	1	06/21/2025 07:54	WG2543444
1,4-Dichlorobenzene	ND		0.00614	1	06/21/2025 07:54	WG2543444
Dichlorodifluoromethane	ND		0.00614	1	06/21/2025 07:54	WG2543444
1,1-Dichloroethane	ND		0.00307	1	06/21/2025 07:54	WG2543444
1,2-Dichloroethane	ND		0.00307	1	06/21/2025 07:54	WG2543444
1,1-Dichloroethene	ND		0.00307	1	06/21/2025 07:54	WG2543444
cis-1,2-Dichloroethene	ND		0.00307	1	06/21/2025 07:54	WG2543444
trans-1,2-Dichloroethene	ND		0.00614	1	06/21/2025 07:54	WG2543444
1,2-Dichloropropane	ND		0.00614	1	06/21/2025 07:54	WG2543444
1,1-Dichloropropene	ND		0.00307	1	06/21/2025 07:54	WG2543444
1,3-Dichloropropane	ND		0.00614	1	06/21/2025 07:54	WG2543444
cis-1,3-Dichloropropene	ND		0.00307	1	06/21/2025 07:54	WG2543444
trans-1,3-Dichloropropene	ND		0.00614	1	06/21/2025 07:54	WG2543444
2,2-Dichloropropane	ND		0.00307	1	06/21/2025 07:54	WG2543444
Di-isopropyl ether	ND		0.00123	1	06/21/2025 07:54	WG2543444
Ethylbenzene	ND		0.0123	1	06/21/2025 07:54	WG2543444
Hexachloro-1,3-butadiene	ND	C3	0.0307	1	06/21/2025 07:54	WG2543444
Isopropylbenzene	ND		0.00307	1	06/21/2025 07:54	WG2543444
p-Isopropyltoluene	ND		0.00614	1	06/21/2025 07:54	WG2543444
2-Butanone (MEK)	ND		0.123	1	06/21/2025 07:54	WG2543444
Methylene Chloride	ND		0.0307	1	06/21/2025 07:54	WG2543444
4-Methyl-2-pentanone (MIBK)	ND		0.0307	1	06/21/2025 07:54	WG2543444
Methyl tert-butyl ether	ND		0.00123	1	06/21/2025 07:54	WG2543444
n-Propylbenzene	ND		0.00614	1	06/21/2025 07:54	WG2543444
Styrene	ND		0.0154	1	06/21/2025 07:54	WG2543444
1,1,1,2-Tetrachloroethane	ND		0.00307	1	06/21/2025 07:54	WG2543444
1,1,2,2-Tetrachloroethane	ND		0.00307	1	06/21/2025 07:54	WG2543444
1,1,2-Trichlorotrifluoroethane	ND		0.00307	1	06/21/2025 07:54	WG2543444
Tetrachloroethene	ND		0.00307	1	06/21/2025 07:54	WG2543444
Toluene	ND		0.0123	1	06/21/2025 07:54	WG2543444
1,2,3-Trichlorobenzene	ND	C3	0.0154	1	06/21/2025 07:54	WG2543444
1,2,4-Trichlorobenzene	ND		0.0154	1	06/21/2025 07:54	WG2543444
1,1,1-Trichloroethane	ND		0.00307	1	06/21/2025 07:54	WG2543444
1,1,2-Trichloroethane	ND		0.00307	1	06/21/2025 07:54	WG2543444
Trichloroethene	ND		0.00123	1	06/21/2025 07:54	WG2543444
Trichlorofluoromethane	ND		0.00307	1	06/21/2025 07:54	WG2543444
1,2,3-Trichloropropane	ND		0.0154	1	06/21/2025 07:54	WG2543444
1,2,3-Trimethylbenzene	ND		0.00614	1	06/21/2025 07:54	WG2543444
1,2,4-Trimethylbenzene	ND		0.00614	1	06/21/2025 07:54	WG2543444
1,3,5-Trimethylbenzene	ND		0.00614	1	06/21/2025 07:54	WG2543444
Vinyl chloride	ND		0.00307	1	06/21/2025 07:54	WG2543444
Xylenes, Total	ND		0.123	1	06/21/2025 07:54	WG2543444
(S) Toluene-d8	*103*		*75.0-131*		*06/21/2025 07:54*	WG2543444
(S) 4-Bromofluorobenzene	*103*		*67.0-138*		*06/21/2025 07:54*	WG2543444
(S) 1,2-Dichloroethane-d4	*90.8*		*70.0-130*		*06/21/2025 07:54*	WG2543444

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		44.6	10	06/30/2025 18:31	WG2547464
C28-C36 Motor Oil Range	336		44.6	10	06/30/2025 18:31	WG2547464
(S) o-Terphenyl	*66.3*		*18.0-148*		*06/30/2025 18:31*	WG2547464

Sample Narrative:

L1871603-09 WG2547464: Dilution due to matrix impact during extract concentration procedure

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		0.0371	1	07/01/2025 17:43	WG2548983
Benzidine	ND	J4	1.86	1	07/01/2025 17:43	WG2548983
Benzo(g,h,i)perylene	ND		0.0371	1	07/01/2025 17:43	WG2548983
Bis(2-chlorethoxy)methane	ND		0.371	1	07/01/2025 17:43	WG2548983
Bis(2-chloroethyl)ether	ND		0.371	1	07/01/2025 17:43	WG2548983
2,2-Oxybis(1-Chloropropane)	ND		0.371	1	07/01/2025 17:43	WG2548983
4-Bromophenyl-phenylether	ND		0.371	1	07/01/2025 17:43	WG2548983
2-Chloronaphthalene	ND		0.0371	1	07/01/2025 17:43	WG2548983
4-Chlorophenyl-phenylether	ND		0.371	1	07/01/2025 17:43	WG2548983
1,2-Dichlorobenzene	ND		0.371	1	07/01/2025 17:43	WG2548983
1,3-Dichlorobenzene	ND		0.371	1	07/01/2025 17:43	WG2548983
1,4-Dichlorobenzene	ND		0.371	1	07/01/2025 17:43	WG2548983
3,3-Dichlorobenzidine	ND		0.371	1	07/01/2025 17:43	WG2548983
2,4-Dinitrotoluene	ND		0.371	1	07/01/2025 17:43	WG2548983
2,6-Dinitrotoluene	ND		0.371	1	07/01/2025 17:43	WG2548983
Hexachlorobenzene	ND		0.371	1	07/01/2025 17:43	WG2548983
Hexachloro-1,3-butadiene	ND		0.371	1	07/01/2025 17:43	WG2548983
Hexachlorocyclopentadiene	ND	C7	0.371	1	07/01/2025 17:43	WG2548983
Hexachloroethane	ND		0.371	1	07/01/2025 17:43	WG2548983
Isophorone	ND		0.371	1	07/01/2025 17:43	WG2548983
Nitrobenzene	ND		0.371	1	07/01/2025 17:43	WG2548983
n-Nitrosodimethylamine	ND		0.371	1	07/01/2025 17:43	WG2548983
n-Nitrosodiphenylamine	ND		0.371	1	07/01/2025 17:43	WG2548983
n-Nitrosodi-n-propylamine	ND		0.371	1	07/01/2025 17:43	WG2548983
Phenanthrene	ND		0.0371	1	07/01/2025 17:43	WG2548983
Benzylbutyl phthalate	ND		0.371	1	07/01/2025 17:43	WG2548983
Bis(2-ethylhexyl)phthalate	ND		0.371	1	07/01/2025 17:43	WG2548983
Di-n-butyl phthalate	ND		0.371	1	07/01/2025 17:43	WG2548983
Diethyl phthalate	ND		0.371	1	07/01/2025 17:43	WG2548983
Dimethyl phthalate	ND		0.371	1	07/01/2025 17:43	WG2548983
Di-n-octyl phthalate	ND		0.371	1	07/01/2025 17:43	WG2548983
1,2,4-Trichlorobenzene	ND		0.371	1	07/01/2025 17:43	WG2548983
4-Chloro-3-methylphenol	ND		0.371	1	07/01/2025 17:43	WG2548983
2-Chlorophenol	ND		0.371	1	07/01/2025 17:43	WG2548983
2,4-Dichlorophenol	ND		0.371	1	07/01/2025 17:43	WG2548983
2,4-Dimethylphenol	ND		0.371	1	07/01/2025 17:43	WG2548983
4,6-Dinitro-2-methylphenol	ND		0.371	1	07/01/2025 17:43	WG2548983
2,4-Dinitrophenol	ND		0.371	1	07/01/2025 17:43	WG2548983
2-Nitrophenol	ND		0.371	1	07/01/2025 17:43	WG2548983
4-Nitrophenol	ND		0.371	1	07/01/2025 17:43	WG2548983
Pentachlorophenol	ND		0.371	1	07/01/2025 17:43	WG2548983
Phenol	ND		0.371	1	07/01/2025 17:43	WG2548983
2,4,6-Trichlorophenol	ND		0.371	1	07/01/2025 17:43	WG2548983
(S) 2-Fluorophenol	*50.9*		*12.0-120*		*07/01/2025 17:43*	WG2548983
(S) Phenol-d5	*51.3*		*10.0-120*		*07/01/2025 17:43*	WG2548983
(S) Nitrobenzene-d5	*51.2*		*10.0-122*		*07/01/2025 17:43*	WG2548983

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	*44.0*		*15.0-120*		*07/01/2025 17:43*	WG2548983
(S) 2,4,6-Tribromophenol	*62.1*		*10.0-127*		*07/01/2025 17:43*	WG2548983
(S) p-Terphenyl-d14	*50.6*		*10.0-120*		*07/01/2025 17:43*	WG2548983

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	J4	0.0368	1	06/26/2025 23:43	WG2547085
Acenaphthene	ND		0.0368	1	06/26/2025 23:43	WG2547085
Acenaphthylene	ND		0.0368	1	06/26/2025 23:43	WG2547085
Benzo(a)anthracene	ND	J4	0.00668	1	06/26/2025 23:43	WG2547085
Benzo(a)pyrene	ND		0.0368	1	06/26/2025 23:43	WG2547085
Benzo(b)fluoranthene	ND	J4	0.0368	1	06/26/2025 23:43	WG2547085
Benzo(g,h,i)perylene	ND	J4	0.0368	1	06/26/2025 23:43	WG2547085
Benzo(k)fluoranthene	ND	J4	0.0368	1	06/26/2025 23:43	WG2547085
Chrysene	ND	J4	0.0368	1	06/26/2025 23:43	WG2547085
Dibenz(a,h)anthracene	ND	J4	0.0368	1	06/26/2025 23:43	WG2547085
Fluoranthene	ND	J4	0.0368	1	06/26/2025 23:43	WG2547085
Fluorene	ND	J4	0.0368	1	06/26/2025 23:43	WG2547085
Indeno(1,2,3-cd)pyrene	ND	J4	0.0368	1	06/26/2025 23:43	WG2547085
Naphthalene	0.00443		0.00334	1	06/26/2025 23:43	WG2547085
Phenanthrene	ND	J4	0.0368	1	06/26/2025 23:43	WG2547085
Pyrene	ND	J4	0.0368	1	06/26/2025 23:43	WG2547085
1-Methylnaphthalene	ND		0.00334	1	06/26/2025 23:43	WG2547085
2-Methylnaphthalene	ND		0.0134	1	06/26/2025 23:43	WG2547085
(S) p-Terphenyl-d14	*87.6*		*23.0-120*		*06/26/2025 23:43*	WG2547085
(S) Nitrobenzene-d5	*86.5*		*14.0-149*		*06/26/2025 23:43*	WG2547085
(S) 2-Fluorobiphenyl	*85.1*		*34.0-125*		*06/26/2025 23:43*	WG2547085

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.90		1	06/27/2025 05:14	WG2546137

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	3960		111	1	06/27/2025 11:12	WG2543944

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.8		1	06/20/2025 15:26	WG2543244

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11.1	1	06/23/2025 18:10	WG2544514

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	3360		111	5	06/27/2025 11:12	WG2547585

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.223	1	06/27/2025 15:52	WG2544394

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.04		1	06/27/2025 12:18	WG2548099

Sample Narrative:

L1871603-10 WG2548099: 7.04 at 23.5C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	4820	umhos/cm		10.0	1	06/27/2025 23:40	WG2548101

Sample Narrative:

L1871603-10 WG2548101: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	597		232	10.4	06/22/2025 02:56	WG2543944

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	39200		500	5	06/25/2025 02:31	WG2544368

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	3540		22.3	1	06/23/2025 10:23	WG2544342
Antimony	ND		2.23	1	06/23/2025 10:23	WG2544342
Beryllium	0.445		0.223	1	06/23/2025 10:23	WG2544342
Calcium	8760		111	1	06/23/2025 10:23	WG2544342
Chromium	4.75		1.11	1	06/23/2025 10:23	WG2544342
Cobalt	3.47		1.11	1	06/23/2025 10:23	WG2544342
Iron	6350		11.1	1	06/23/2025 10:23	WG2544342
Magnesium	2490		111	1	06/23/2025 10:23	WG2544342
Manganese	267		1.11	1	06/23/2025 10:23	WG2544342
Potassium	2710		111	1	06/23/2025 10:23	WG2544342
Sodium	370		111	1	06/23/2025 10:23	WG2544342
Thallium	ND		2.23	1	06/23/2025 10:23	WG2544342
Vanadium	11.9		2.23	1	06/23/2025 10:23	WG2544342

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.41		0.100	1	06/27/2025 18:58	WG2548045

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.30		0.111	5	06/23/2025 21:37	WG2544351
Barium	62.3		11.1	5	06/23/2025 21:37	WG2544351
Cadmium	0.304		0.111	5	06/23/2025 21:37	WG2544351
Copper	ND		11.1	5	06/23/2025 21:37	WG2544351
Lead	ND		11.1	5	06/23/2025 21:37	WG2544351
Nickel	ND		11.1	5	06/23/2025 21:37	WG2544351
Selenium	0.545		0.111	5	06/23/2025 21:37	WG2544351
Silver	ND		0.557	5	06/23/2025 21:37	WG2544351
Zinc	65.5		55.7	5	06/23/2025 21:37	WG2544351

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		3.07	25	06/21/2025 05:47	WG2543114
(S) a,a,a-Trifluorotoluene(FID)	*99.7*		*77.0-120*		*06/21/2025 05:47*	WG2543114

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	0.0614	1	06/21/2025 08:12	WG2543444
Acrylonitrile	ND		0.0154	1	06/21/2025 08:12	WG2543444
Benzene	ND		0.00123	1	06/21/2025 08:12	WG2543444
Bromobenzene	ND		0.0154	1	06/21/2025 08:12	WG2543444
Bromodichloromethane	ND		0.00307	1	06/21/2025 08:12	WG2543444
Bromoform	ND		0.0307	1	06/21/2025 08:12	WG2543444
Bromomethane	ND		0.0154	1	06/21/2025 08:12	WG2543444
n-Butylbenzene	ND		0.0154	1	06/21/2025 08:12	WG2543444
sec-Butylbenzene	ND		0.0154	1	06/21/2025 08:12	WG2543444
tert-Butylbenzene	ND		0.00614	1	06/21/2025 08:12	WG2543444
Carbon tetrachloride	ND		0.00614	1	06/21/2025 08:12	WG2543444
Chlorobenzene	ND		0.00307	1	06/21/2025 08:12	WG2543444
Chlorodibromomethane	ND		0.00307	1	06/21/2025 08:12	WG2543444

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		0.00614	1	06/21/2025 08:12	WG2543444
Chloroform	ND		0.00307	1	06/21/2025 08:12	WG2543444
Chloromethane	ND		0.0154	1	06/21/2025 08:12	WG2543444
2-Chlorotoluene	ND		0.00307	1	06/21/2025 08:12	WG2543444
4-Chlorotoluene	ND		0.00614	1	06/21/2025 08:12	WG2543444
1,2-Dibromo-3-Chloropropane	ND		0.0307	1	06/21/2025 08:12	WG2543444
1,2-Dibromoethane	ND		0.00307	1	06/21/2025 08:12	WG2543444
Dibromomethane	ND		0.00614	1	06/21/2025 08:12	WG2543444
1,2-Dichlorobenzene	ND		0.00614	1	06/21/2025 08:12	WG2543444
1,3-Dichlorobenzene	ND		0.00614	1	06/21/2025 08:12	WG2543444
1,4-Dichlorobenzene	ND		0.00614	1	06/21/2025 08:12	WG2543444
Dichlorodifluoromethane	ND		0.00614	1	06/21/2025 08:12	WG2543444
1,1-Dichloroethane	ND		0.00307	1	06/21/2025 08:12	WG2543444
1,2-Dichloroethane	ND		0.00307	1	06/21/2025 08:12	WG2543444
1,1-Dichloroethene	ND		0.00307	1	06/21/2025 08:12	WG2543444
cis-1,2-Dichloroethene	ND		0.00307	1	06/21/2025 08:12	WG2543444
trans-1,2-Dichloroethene	ND		0.00614	1	06/21/2025 08:12	WG2543444
1,2-Dichloropropane	ND		0.00614	1	06/21/2025 08:12	WG2543444
1,1-Dichloropropene	ND		0.00307	1	06/21/2025 08:12	WG2543444
1,3-Dichloropropane	ND		0.00614	1	06/21/2025 08:12	WG2543444
cis-1,3-Dichloropropene	ND		0.00307	1	06/21/2025 08:12	WG2543444
trans-1,3-Dichloropropene	ND		0.00614	1	06/21/2025 08:12	WG2543444
2,2-Dichloropropane	ND		0.00307	1	06/21/2025 08:12	WG2543444
Di-isopropyl ether	ND		0.00123	1	06/21/2025 08:12	WG2543444
Ethylbenzene	ND		0.0123	1	06/21/2025 08:12	WG2543444
Hexachloro-1,3-butadiene	ND	C3	0.0307	1	06/21/2025 08:12	WG2543444
Isopropylbenzene	ND		0.00307	1	06/21/2025 08:12	WG2543444
p-Isopropyltoluene	ND		0.00614	1	06/21/2025 08:12	WG2543444
2-Butanone (MEK)	ND		0.123	1	06/21/2025 08:12	WG2543444
Methylene Chloride	ND		0.0307	1	06/21/2025 08:12	WG2543444
4-Methyl-2-pentanone (MIBK)	ND		0.0307	1	06/21/2025 08:12	WG2543444
Methyl tert-butyl ether	ND		0.00123	1	06/21/2025 08:12	WG2543444
n-Propylbenzene	ND		0.00614	1	06/21/2025 08:12	WG2543444
Styrene	ND		0.0154	1	06/21/2025 08:12	WG2543444
1,1,1,2-Tetrachloroethane	ND		0.00307	1	06/21/2025 08:12	WG2543444
1,1,2,2-Tetrachloroethane	ND		0.00307	1	06/21/2025 08:12	WG2543444
1,1,2-Trichlorotrifluoroethane	ND		0.00307	1	06/21/2025 08:12	WG2543444
Tetrachloroethene	ND		0.00307	1	06/21/2025 08:12	WG2543444
Toluene	ND		0.0123	1	06/21/2025 08:12	WG2543444
1,2,3-Trichlorobenzene	ND	C3	0.0154	1	06/21/2025 08:12	WG2543444
1,2,4-Trichlorobenzene	ND		0.0154	1	06/21/2025 08:12	WG2543444
1,1,1-Trichloroethane	ND		0.00307	1	06/21/2025 08:12	WG2543444
1,1,2-Trichloroethane	ND		0.00307	1	06/21/2025 08:12	WG2543444
Trichloroethene	ND		0.00123	1	06/21/2025 08:12	WG2543444
Trichlorofluoromethane	ND		0.00307	1	06/21/2025 08:12	WG2543444
1,2,3-Trichloropropane	ND		0.0154	1	06/21/2025 08:12	WG2543444
1,2,3-Trimethylbenzene	ND		0.00614	1	06/21/2025 08:12	WG2543444
1,2,4-Trimethylbenzene	ND		0.00614	1	06/21/2025 08:12	WG2543444
1,3,5-Trimethylbenzene	ND		0.00614	1	06/21/2025 08:12	WG2543444
Vinyl chloride	ND		0.00307	1	06/21/2025 08:12	WG2543444
Xylenes, Total	ND		0.123	1	06/21/2025 08:12	WG2543444
(S) Toluene-d8	*101*		*75.0-131*		*06/21/2025 08:12*	WG2543444
(S) 4-Bromofluorobenzene	*101*		*67.0-138*		*06/21/2025 08:12*	WG2543444
(S) 1,2-Dichloroethane-d4	*90.5*		*70.0-130*		*06/21/2025 08:12*	WG2543444

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		44.6	10	06/30/2025 13:50	WG2547464
C28-C36 Motor Oil Range	159		44.6	10	06/30/2025 13:50	WG2547464
(S) o-Terphenyl	*58.4*		*18.0-148*		*06/30/2025 13:50*	WG2547464

Sample Narrative:

L1871603-10 WG2547464: 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		0.0371	1	07/01/2025 18:06	WG2548983
Benzidine	ND	J4	1.86	1	07/01/2025 18:06	WG2548983
Benzo(g,h,i)perylene	ND		0.0371	1	07/01/2025 18:06	WG2548983
Bis(2-chlorethoxy)methane	ND		0.371	1	07/01/2025 18:06	WG2548983
Bis(2-chloroethyl)ether	ND		0.371	1	07/01/2025 18:06	WG2548983
2,2-Oxybis(1-Chloropropane)	ND		0.371	1	07/01/2025 18:06	WG2548983
4-Bromophenyl-phenylether	ND		0.371	1	07/01/2025 18:06	WG2548983
2-Chloronaphthalene	ND		0.0371	1	07/01/2025 18:06	WG2548983
4-Chlorophenyl-phenylether	ND		0.371	1	07/01/2025 18:06	WG2548983
1,2-Dichlorobenzene	ND		0.371	1	07/01/2025 18:06	WG2548983
1,3-Dichlorobenzene	ND		0.371	1	07/01/2025 18:06	WG2548983
1,4-Dichlorobenzene	ND		0.371	1	07/01/2025 18:06	WG2548983
3,3-Dichlorobenzidine	ND		0.371	1	07/01/2025 18:06	WG2548983
2,4-Dinitrotoluene	ND		0.371	1	07/01/2025 18:06	WG2548983
2,6-Dinitrotoluene	ND		0.371	1	07/01/2025 18:06	WG2548983
Hexachlorobenzene	ND		0.371	1	07/01/2025 18:06	WG2548983
Hexachloro-1,3-butadiene	ND		0.371	1	07/01/2025 18:06	WG2548983
Hexachlorocyclopentadiene	ND	C7	0.371	1	07/01/2025 18:06	WG2548983
Hexachloroethane	ND		0.371	1	07/01/2025 18:06	WG2548983
Isophorone	ND		0.371	1	07/01/2025 18:06	WG2548983
Nitrobenzene	ND		0.371	1	07/01/2025 18:06	WG2548983
n-Nitrosodimethylamine	ND		0.371	1	07/01/2025 18:06	WG2548983
n-Nitrosodiphenylamine	ND		0.371	1	07/01/2025 18:06	WG2548983
n-Nitrosodi-n-propylamine	ND		0.371	1	07/01/2025 18:06	WG2548983
Phenanthrene	ND		0.0371	1	07/01/2025 18:06	WG2548983
Benzylbutyl phthalate	ND		0.371	1	07/01/2025 18:06	WG2548983
Bis(2-ethylhexyl)phthalate	ND		0.371	1	07/01/2025 18:06	WG2548983
Di-n-butyl phthalate	ND		0.371	1	07/01/2025 18:06	WG2548983
Diethyl phthalate	ND		0.371	1	07/01/2025 18:06	WG2548983
Dimethyl phthalate	ND		0.371	1	07/01/2025 18:06	WG2548983
Di-n-octyl phthalate	ND		0.371	1	07/01/2025 18:06	WG2548983
1,2,4-Trichlorobenzene	ND		0.371	1	07/01/2025 18:06	WG2548983
4-Chloro-3-methylphenol	ND		0.371	1	07/01/2025 18:06	WG2548983
2-Chlorophenol	ND		0.371	1	07/01/2025 18:06	WG2548983
2,4-Dichlorophenol	ND		0.371	1	07/01/2025 18:06	WG2548983
2,4-Dimethylphenol	ND		0.371	1	07/01/2025 18:06	WG2548983
4,6-Dinitro-2-methylphenol	ND		0.371	1	07/01/2025 18:06	WG2548983
2,4-Dinitrophenol	ND		0.371	1	07/01/2025 18:06	WG2548983
2-Nitrophenol	ND		0.371	1	07/01/2025 18:06	WG2548983
4-Nitrophenol	ND		0.371	1	07/01/2025 18:06	WG2548983
Pentachlorophenol	ND		0.371	1	07/01/2025 18:06	WG2548983
Phenol	ND		0.371	1	07/01/2025 18:06	WG2548983
2,4,6-Trichlorophenol	ND		0.371	1	07/01/2025 18:06	WG2548983
(S) 2-Fluorophenol	*61.0*		*12.0-120*		*07/01/2025 18:06*	WG2548983
(S) Phenol-d5	*59.9*		*10.0-120*		*07/01/2025 18:06*	WG2548983
(S) Nitrobenzene-d5	*61.0*		*10.0-122*		*07/01/2025 18:06*	WG2548983

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	*50.9*		*15.0-120*		*07/01/2025 18:06*	WG2548983
(S) 2,4,6-Tribromophenol	*77.4*		*10.0-127*		*07/01/2025 18:06*	WG2548983
(S) p-Terphenyl-d14	*58.2*		*10.0-120*		*07/01/2025 18:06*	WG2548983

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		0.0368	1	06/30/2025 21:41	WG2549212
Acenaphthene	ND		0.0368	1	06/30/2025 21:41	WG2549212
Acenaphthylene	ND		0.0368	1	06/30/2025 21:41	WG2549212
Benzo(a)anthracene	0.0175		0.00668	1	06/30/2025 21:41	WG2549212
Benzo(a)pyrene	ND		0.0368	1	06/30/2025 21:41	WG2549212
Benzo(b)fluoranthene	ND		0.0368	1	06/30/2025 21:41	WG2549212
Benzo(g,h,i)perylene	ND		0.0368	1	06/30/2025 21:41	WG2549212
Benzo(k)fluoranthene	ND		0.0368	1	06/30/2025 21:41	WG2549212
Chrysene	ND		0.0368	1	06/30/2025 21:41	WG2549212
Dibenz(a,h)anthracene	ND		0.0368	1	06/30/2025 21:41	WG2549212
Fluoranthene	ND		0.0368	1	06/30/2025 21:41	WG2549212
Fluorene	ND		0.0368	1	06/30/2025 21:41	WG2549212
Indeno(1,2,3-cd)pyrene	ND		0.0368	1	06/30/2025 21:41	WG2549212
Naphthalene	ND		0.00334	1	06/30/2025 21:41	WG2549212
Phenanthrene	ND		0.0368	1	06/30/2025 21:41	WG2549212
Pyrene	ND		0.0368	1	06/30/2025 21:41	WG2549212
1-Methylnaphthalene	ND		0.00334	1	06/30/2025 21:41	WG2549212
2-Methylnaphthalene	ND		0.0134	1	06/30/2025 21:41	WG2549212
(S) p-Terphenyl-d14	*135*	J1	*23.0-120*		*06/30/2025 21:41*	WG2549212
(S) Nitrobenzene-d5	*101*		*14.0-149*		*06/30/2025 21:41*	WG2549212
(S) 2-Fluorobiphenyl	*127*	J1	*34.0-125*		*06/30/2025 21:41*	WG2549212

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.884		1	06/27/2025 05:16	WG2546137

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	3350		23.2	1	06/27/2025 11:14	WG2543944

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.3		1	06/20/2025 15:26	WG2543244

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11.6	1	06/23/2025 18:12	WG2544514

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	3330		116	5	06/27/2025 11:14	WG2547585

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.232	1	06/27/2025 16:01	WG2544394

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.71		1	06/27/2025 12:18	WG2548099

Sample Narrative:

L1871603-11 WG2548099: 7.71 at 23.3C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	978	umhos/cm		10.0	1	06/27/2025 23:40	WG2548101

Sample Narrative:

L1871603-11 WG2548101: 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		23.2	1	06/22/2025 03:09	WG2543944

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	35500		500	5	06/25/2025 02:31	WG2544368

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	4030		23.2	1	06/23/2025 10:25	WG2544342
Antimony	ND		2.32	1	06/23/2025 10:25	WG2544342
Beryllium	0.434		0.232	1	06/23/2025 10:25	WG2544342
Calcium	7460		116	1	06/23/2025 10:25	WG2544342
Chromium	5.37		1.16	1	06/23/2025 10:25	WG2544342
Cobalt	3.51		1.16	1	06/23/2025 10:25	WG2544342
Iron	6060		11.6	1	06/23/2025 10:25	WG2544342
Magnesium	2490		116	1	06/23/2025 10:25	WG2544342
Manganese	270		1.16	1	06/23/2025 10:25	WG2544342
Potassium	3260		116	1	06/23/2025 10:25	WG2544342
Sodium	131		116	1	06/23/2025 10:25	WG2544342
Thallium	ND		2.32	1	06/23/2025 10:25	WG2544342
Vanadium	11.3		2.32	1	06/23/2025 10:25	WG2544342

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.05		0.100	1	06/27/2025 17:42	WG2548045

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.16		0.116	5	06/23/2025 21:40	WG2544351
Barium	70.7		11.6	5	06/23/2025 21:40	WG2544351
Cadmium	0.251		0.116	5	06/23/2025 21:40	WG2544351
Copper	ND		11.6	5	06/23/2025 21:40	WG2544351
Lead	ND		11.6	5	06/23/2025 21:40	WG2544351
Nickel	ND		11.6	5	06/23/2025 21:40	WG2544351
Selenium	0.429		0.116	5	06/23/2025 21:40	WG2544351
Silver	ND		0.580	5	06/23/2025 21:40	WG2544351
Zinc	ND		58.0	5	06/23/2025 21:40	WG2544351

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		3.30	25	06/21/2025 06:09	WG2543114
(S) a,a,a-Trifluorotoluene(FID)	*101*		*77.0-120*		*06/21/2025 06:09*	WG2543114

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	0.0659	1	06/21/2025 08:31	WG2543444
Acrylonitrile	ND		0.0165	1	06/21/2025 08:31	WG2543444
Benzene	ND		0.00132	1	06/21/2025 08:31	WG2543444
Bromobenzene	ND		0.0165	1	06/21/2025 08:31	WG2543444
Bromodichloromethane	ND		0.00330	1	06/21/2025 08:31	WG2543444
Bromoform	ND		0.0330	1	06/21/2025 08:31	WG2543444
Bromomethane	ND		0.0165	1	06/21/2025 08:31	WG2543444
n-Butylbenzene	ND		0.0165	1	06/21/2025 08:31	WG2543444
sec-Butylbenzene	ND		0.0165	1	06/21/2025 08:31	WG2543444
tert-Butylbenzene	ND		0.00659	1	06/21/2025 08:31	WG2543444
Carbon tetrachloride	ND		0.00659	1	06/21/2025 08:31	WG2543444
Chlorobenzene	ND		0.00330	1	06/21/2025 08:31	WG2543444
Chlorodibromomethane	ND		0.00330	1	06/21/2025 08:31	WG2543444

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		0.00659	1	06/21/2025 08:31	WG2543444
Chloroform	ND		0.00330	1	06/21/2025 08:31	WG2543444
Chloromethane	ND		0.0165	1	06/21/2025 08:31	WG2543444
2-Chlorotoluene	ND		0.00330	1	06/21/2025 08:31	WG2543444
4-Chlorotoluene	ND		0.00659	1	06/21/2025 08:31	WG2543444
1,2-Dibromo-3-Chloropropane	ND		0.0330	1	06/21/2025 08:31	WG2543444
1,2-Dibromoethane	ND		0.00330	1	06/21/2025 08:31	WG2543444
Dibromomethane	ND		0.00659	1	06/21/2025 08:31	WG2543444
1,2-Dichlorobenzene	ND		0.00659	1	06/21/2025 08:31	WG2543444
1,3-Dichlorobenzene	ND		0.00659	1	06/21/2025 08:31	WG2543444
1,4-Dichlorobenzene	ND		0.00659	1	06/21/2025 08:31	WG2543444
Dichlorodifluoromethane	ND		0.00659	1	06/21/2025 08:31	WG2543444
1,1-Dichloroethane	ND		0.00330	1	06/21/2025 08:31	WG2543444
1,2-Dichloroethane	ND		0.00330	1	06/21/2025 08:31	WG2543444
1,1-Dichloroethene	ND		0.00330	1	06/21/2025 08:31	WG2543444
cis-1,2-Dichloroethene	ND		0.00330	1	06/21/2025 08:31	WG2543444
trans-1,2-Dichloroethene	ND		0.00659	1	06/21/2025 08:31	WG2543444
1,2-Dichloropropane	ND		0.00659	1	06/21/2025 08:31	WG2543444
1,1-Dichloropropene	ND		0.00330	1	06/21/2025 08:31	WG2543444
1,3-Dichloropropane	ND		0.00659	1	06/21/2025 08:31	WG2543444
cis-1,3-Dichloropropene	ND		0.00330	1	06/21/2025 08:31	WG2543444
trans-1,3-Dichloropropene	ND		0.00659	1	06/21/2025 08:31	WG2543444
2,2-Dichloropropane	ND		0.00330	1	06/21/2025 08:31	WG2543444
Di-isopropyl ether	ND		0.00132	1	06/21/2025 08:31	WG2543444
Ethylbenzene	ND		0.0132	1	06/21/2025 08:31	WG2543444
Hexachloro-1,3-butadiene	ND	C3	0.0330	1	06/21/2025 08:31	WG2543444
Isopropylbenzene	ND		0.00330	1	06/21/2025 08:31	WG2543444
p-Isopropyltoluene	ND		0.00659	1	06/21/2025 08:31	WG2543444
2-Butanone (MEK)	ND		0.132	1	06/21/2025 08:31	WG2543444
Methylene Chloride	ND		0.0330	1	06/21/2025 08:31	WG2543444
4-Methyl-2-pentanone (MIBK)	ND		0.0330	1	06/21/2025 08:31	WG2543444
Methyl tert-butyl ether	ND		0.00132	1	06/21/2025 08:31	WG2543444
n-Propylbenzene	ND		0.00659	1	06/21/2025 08:31	WG2543444
Styrene	ND		0.0165	1	06/21/2025 08:31	WG2543444
1,1,1,2-Tetrachloroethane	ND		0.00330	1	06/21/2025 08:31	WG2543444
1,1,2,2-Tetrachloroethane	ND		0.00330	1	06/21/2025 08:31	WG2543444
1,1,2-Trichlorotrifluoroethane	ND		0.00330	1	06/21/2025 08:31	WG2543444
Tetrachloroethene	ND		0.00330	1	06/21/2025 08:31	WG2543444
Toluene	ND		0.0132	1	06/21/2025 08:31	WG2543444
1,2,3-Trichlorobenzene	ND	C3	0.0165	1	06/21/2025 08:31	WG2543444
1,2,4-Trichlorobenzene	ND		0.0165	1	06/21/2025 08:31	WG2543444
1,1,1-Trichloroethane	ND		0.00330	1	06/21/2025 08:31	WG2543444
1,1,2-Trichloroethane	ND		0.00330	1	06/21/2025 08:31	WG2543444
Trichloroethene	ND		0.00132	1	06/21/2025 08:31	WG2543444
Trichlorofluoromethane	ND		0.00330	1	06/21/2025 08:31	WG2543444
1,2,3-Trichloropropane	ND		0.0165	1	06/21/2025 08:31	WG2543444
1,2,3-Trimethylbenzene	ND		0.00659	1	06/21/2025 08:31	WG2543444
1,2,4-Trimethylbenzene	ND		0.00659	1	06/21/2025 08:31	WG2543444
1,3,5-Trimethylbenzene	ND		0.00659	1	06/21/2025 08:31	WG2543444
Vinyl chloride	ND		0.00330	1	06/21/2025 08:31	WG2543444
Xylenes, Total	ND		0.132	1	06/21/2025 08:31	WG2543444
(S) Toluene-d8	*104*		*75.0-131*		*06/21/2025 08:31*	WG2543444
(S) 4-Bromofluorobenzene	*102*		*67.0-138*		*06/21/2025 08:31*	WG2543444
(S) 1,2-Dichloroethane-d4	*90.2*		*70.0-130*		*06/21/2025 08:31*	WG2543444

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	24.0		4.64	1	06/28/2025 06:47	WG2547465
C28-C36 Motor Oil Range	229		46.4	10	06/30/2025 15:03	WG2547465
(S) o-Terphenyl	*33.7*		*18.0-148*		*06/28/2025 06:47*	WG2547465
(S) o-Terphenyl	*70.6*		*18.0-148*		*06/30/2025 15:03*	WG2547465

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		0.0772	2	07/02/2025 00:10	WG2548983
Benzidine	ND	J4	3.87	2	07/02/2025 00:10	WG2548983
Benzo(g,h,i)perylene	ND		0.0772	2	07/02/2025 00:10	WG2548983
Bis(2-chlorethoxy)methane	ND		0.772	2	07/02/2025 00:10	WG2548983
Bis(2-chloroethyl)ether	ND		0.772	2	07/02/2025 00:10	WG2548983
2,2-Oxybis(1-Chloropropane)	ND		0.772	2	07/02/2025 00:10	WG2548983
4-Bromophenyl-phenylether	ND		0.772	2	07/02/2025 00:10	WG2548983
2-Chloronaphthalene	ND		0.0772	2	07/02/2025 00:10	WG2548983
4-Chlorophenyl-phenylether	ND		0.772	2	07/02/2025 00:10	WG2548983
1,2-Dichlorobenzene	ND		0.772	2	07/02/2025 00:10	WG2548983
1,3-Dichlorobenzene	ND		0.772	2	07/02/2025 00:10	WG2548983
1,4-Dichlorobenzene	ND		0.772	2	07/02/2025 00:10	WG2548983
3,3-Dichlorobenzidine	ND		0.772	2	07/02/2025 00:10	WG2548983
2,4-Dinitrotoluene	ND		0.772	2	07/02/2025 00:10	WG2548983
2,6-Dinitrotoluene	ND		0.772	2	07/02/2025 00:10	WG2548983
Hexachlorobenzene	ND		0.772	2	07/02/2025 00:10	WG2548983
Hexachloro-1,3-butadiene	ND		0.772	2	07/02/2025 00:10	WG2548983
Hexachlorocyclopentadiene	ND	C7	0.772	2	07/02/2025 00:10	WG2548983
Hexachloroethane	ND		0.772	2	07/02/2025 00:10	WG2548983
Isophorone	ND		0.772	2	07/02/2025 00:10	WG2548983
Nitrobenzene	ND		0.772	2	07/02/2025 00:10	WG2548983
n-Nitrosodimethylamine	ND		0.772	2	07/02/2025 00:10	WG2548983
n-Nitrosodiphenylamine	ND		0.772	2	07/02/2025 00:10	WG2548983
n-Nitrosodi-n-propylamine	ND		0.772	2	07/02/2025 00:10	WG2548983
Phenanthrene	ND		0.0772	2	07/02/2025 00:10	WG2548983
Benzylbutyl phthalate	ND		0.772	2	07/02/2025 00:10	WG2548983
Bis(2-ethylhexyl)phthalate	ND		0.772	2	07/02/2025 00:10	WG2548983
Di-n-butyl phthalate	ND		0.772	2	07/02/2025 00:10	WG2548983
Diethyl phthalate	ND		0.772	2	07/02/2025 00:10	WG2548983
Dimethyl phthalate	ND		0.772	2	07/02/2025 00:10	WG2548983
Di-n-octyl phthalate	ND		0.772	2	07/02/2025 00:10	WG2548983
1,2,4-Trichlorobenzene	ND		0.772	2	07/02/2025 00:10	WG2548983
4-Chloro-3-methylphenol	ND		0.772	2	07/02/2025 00:10	WG2548983
2-Chlorophenol	ND		0.772	2	07/02/2025 00:10	WG2548983
2,4-Dichlorophenol	ND		0.772	2	07/02/2025 00:10	WG2548983
2,4-Dimethylphenol	ND		0.772	2	07/02/2025 00:10	WG2548983
4,6-Dinitro-2-methylphenol	ND		0.772	2	07/02/2025 00:10	WG2548983
2,4-Dinitrophenol	ND		0.772	2	07/02/2025 00:10	WG2548983
2-Nitrophenol	ND		0.772	2	07/02/2025 00:10	WG2548983
4-Nitrophenol	ND		0.772	2	07/02/2025 00:10	WG2548983
Pentachlorophenol	ND		0.772	2	07/02/2025 00:10	WG2548983
Phenol	ND		0.772	2	07/02/2025 00:10	WG2548983
2,4,6-Trichlorophenol	ND		0.772	2	07/02/2025 00:10	WG2548983
(S) 2-Fluorophenol	*71.3*		*12.0-120*		*07/02/2025 00:10*	WG2548983
(S) Phenol-d5	*74.5*		*10.0-120*		*07/02/2025 00:10*	WG2548983
(S) Nitrobenzene-d5	*72.5*		*10.0-122*		*07/02/2025 00:10*	WG2548983
(S) 2-Fluorobiphenyl	*61.4*		*15.0-120*		*07/02/2025 00:10*	WG2548983
(S) 2,4,6-Tribromophenol	*81.8*		*10.0-127*		*07/02/2025 00:10*	WG2548983

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) p-Terphenyl-d14	*69.4*		*10.0-120*		*07/02/2025 00:10*	WG2548983

Sample Narrative:

L1871603-11 WG2548983: Dilution due to matrix impact during extraction 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		0.0382	1	06/30/2025 21:58	WG2549212
Acenaphthene	ND		0.0382	1	06/30/2025 21:58	WG2549212
Acenaphthylene	ND		0.0382	1	06/30/2025 21:58	WG2549212
Benzo(a)anthracene	0.0617		0.00695	1	06/30/2025 21:58	WG2549212
Benzo(a)pyrene	0.0892		0.0382	1	06/30/2025 21:58	WG2549212
Benzo(b)fluoranthene	0.114		0.0382	1	06/30/2025 21:58	WG2549212
Benzo(g,h,i)perylene	0.0653		0.0382	1	06/30/2025 21:58	WG2549212
Benzo(k)fluoranthene	ND		0.0382	1	06/30/2025 21:58	WG2549212
Chrysene	0.0868		0.0382	1	06/30/2025 21:58	WG2549212
Dibenz(a,h)anthracene	ND		0.0382	1	06/30/2025 21:58	WG2549212
Fluoranthene	0.136		0.0382	1	06/30/2025 21:58	WG2549212
Fluorene	ND		0.0382	1	06/30/2025 21:58	WG2549212
Indeno(1,2,3-cd)pyrene	0.0664		0.0382	1	06/30/2025 21:58	WG2549212
Naphthalene	ND		0.00348	1	06/30/2025 21:58	WG2549212
Phenanthrene	ND		0.0382	1	06/30/2025 21:58	WG2549212
Pyrene	0.103		0.0382	1	06/30/2025 21:58	WG2549212
1-Methylnaphthalene	ND		0.00348	1	06/30/2025 21:58	WG2549212
2-Methylnaphthalene	ND		0.0139	1	06/30/2025 21:58	WG2549212
(S) p-Terphenyl-d14	*141*	J1	*23.0-120*		*06/30/2025 21:58*	WG2549212
(S) Nitrobenzene-d5	*102*		*14.0-149*		*06/30/2025 21:58*	WG2549212
(S) 2-Fluorobiphenyl	*137*	J1	*34.0-125*		*06/30/2025 21:58*	WG2549212

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	06/21/2025 06:19	WG2543520
Acrolein	ND		0.0500	1	06/21/2025 06:19	WG2543520
Acrylonitrile	ND		0.0100	1	06/21/2025 06:19	WG2543520
Benzene	ND		0.00100	1	06/21/2025 06:19	WG2543520
Bromobenzene	ND		0.00100	1	06/21/2025 06:19	WG2543520
Bromodichloromethane	ND		0.00100	1	06/21/2025 06:19	WG2543520
Bromoform	ND		0.00100	1	06/21/2025 06:19	WG2543520
Bromomethane	ND		0.00500	1	06/21/2025 06:19	WG2543520
n-Butylbenzene	ND		0.00100	1	06/21/2025 06:19	WG2543520
sec-Butylbenzene	ND		0.00100	1	06/21/2025 06:19	WG2543520
tert-Butylbenzene	ND		0.00100	1	06/21/2025 06:19	WG2543520
Carbon tetrachloride	ND		0.00100	1	06/21/2025 06:19	WG2543520
Chlorobenzene	ND		0.00100	1	06/21/2025 06:19	WG2543520
Chlorodibromomethane	ND		0.00100	1	06/21/2025 06:19	WG2543520
Chloroethane	ND		0.00500	1	06/21/2025 06:19	WG2543520
Chloroform	ND		0.00500	1	06/21/2025 06:19	WG2543520
Chloromethane	ND		0.00250	1	06/21/2025 06:19	WG2543520
2-Chlorotoluene	ND		0.00100	1	06/21/2025 06:19	WG2543520
4-Chlorotoluene	ND		0.00100	1	06/21/2025 06:19	WG2543520
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	06/21/2025 06:19	WG2543520
1,2-Dibromoethane	ND		0.00100	1	06/21/2025 06:19	WG2543520
Dibromomethane	ND		0.00100	1	06/21/2025 06:19	WG2543520
1,2-Dichlorobenzene	ND		0.00100	1	06/21/2025 06:19	WG2543520
1,3-Dichlorobenzene	ND		0.00100	1	06/21/2025 06:19	WG2543520
1,4-Dichlorobenzene	ND		0.00100	1	06/21/2025 06:19	WG2543520
Dichlorodifluoromethane	ND	J3	0.00500	1	06/21/2025 06:19	WG2543520
1,1-Dichloroethane	ND		0.00100	1	06/21/2025 06:19	WG2543520
1,2-Dichloroethane	ND		0.00100	1	06/21/2025 06:19	WG2543520
1,1-Dichloroethene	ND		0.00100	1	06/21/2025 06:19	WG2543520
cis-1,2-Dichloroethene	ND		0.00100	1	06/21/2025 06:19	WG2543520
trans-1,2-Dichloroethene	ND		0.00100	1	06/21/2025 06:19	WG2543520
1,2-Dichloropropane	ND		0.00100	1	06/21/2025 06:19	WG2543520
1,1-Dichloropropene	ND		0.00100	1	06/21/2025 06:19	WG2543520
1,3-Dichloropropane	ND		0.00100	1	06/21/2025 06:19	WG2543520
cis-1,3-Dichloropropene	ND		0.00100	1	06/21/2025 06:19	WG2543520
trans-1,3-Dichloropropene	ND		0.00100	1	06/21/2025 06:19	WG2543520
2,2-Dichloropropane	ND		0.00100	1	06/21/2025 06:19	WG2543520
Di-isopropyl ether	ND		0.00100	1	06/21/2025 06:19	WG2543520
Ethylbenzene	ND		0.00100	1	06/21/2025 06:19	WG2543520
Hexachloro-1,3-butadiene	ND		0.00100	1	06/21/2025 06:19	WG2543520
Isopropylbenzene	ND		0.00100	1	06/21/2025 06:19	WG2543520
p-Isopropyltoluene	ND		0.00100	1	06/21/2025 06:19	WG2543520
2-Butanone (MEK)	ND		0.0100	1	06/21/2025 06:19	WG2543520
Methylene Chloride	ND		0.00500	1	06/21/2025 06:19	WG2543520
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	06/21/2025 06:19	WG2543520
Methyl tert-butyl ether	ND		0.00100	1	06/21/2025 06:19	WG2543520
Naphthalene	ND		0.00500	1	06/21/2025 06:19	WG2543520
n-Propylbenzene	ND		0.00100	1	06/21/2025 06:19	WG2543520
Styrene	ND		0.00100	1	06/21/2025 06:19	WG2543520
1,1,1,2-Tetrachloroethane	ND		0.00100	1	06/21/2025 06:19	WG2543520
1,1,2,2-Tetrachloroethane	ND		0.00100	1	06/21/2025 06:19	WG2543520
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	06/21/2025 06:19	WG2543520
Tetrachloroethene	ND		0.00100	1	06/21/2025 06:19	WG2543520
Toluene	ND		0.00100	1	06/21/2025 06:19	WG2543520
1,2,3-Trichlorobenzene	ND		0.00100	1	06/21/2025 06:19	WG2543520
1,2,4-Trichlorobenzene	ND		0.00100	1	06/21/2025 06:19	WG2543520

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	06/21/2025 06:19	WG2543520
1,1,2-Trichloroethane	ND		0.00100	1	06/21/2025 06:19	WG2543520
Trichloroethene	ND		0.00100	1	06/21/2025 06:19	WG2543520
Trichlorofluoromethane	ND		0.00500	1	06/21/2025 06:19	WG2543520
1,2,3-Trichloropropane	ND		0.00250	1	06/21/2025 06:19	WG2543520
1,2,4-Trimethylbenzene	ND		0.00100	1	06/21/2025 06:19	WG2543520
1,2,3-Trimethylbenzene	ND		0.00100	1	06/21/2025 06:19	WG2543520
1,3,5-Trimethylbenzene	ND		0.00100	1	06/21/2025 06:19	WG2543520
Vinyl chloride	ND		0.00100	1	06/21/2025 06:19	WG2543520
Xylenes, Total	ND		0.00300	1	06/21/2025 06:19	WG2543520
(S) Toluene-d8	*99.0*		*80.0-120*		*06/21/2025 06:19*	WG2543520
(S) 4-Bromofluorobenzene	*97.7*		*77.0-126*		*06/21/2025 06:19*	WG2543520
(S) 1,2-Dichloroethane-d4	*107*		*70.0-130*		*06/21/2025 06:19*	WG2543520

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.24		1	06/27/2025 05:18	WG2546137

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	2310		23.0	1	06/27/2025 11:30	WG2544564

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.8		1	06/20/2025 15:26	WG2543244

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11.5	1	06/23/2025 18:14	WG2544514

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	2270		115	5	06/27/2025 11:30	WG2547585

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND	J3 J6	0.230	1	06/27/2025 16:10	WG2544394

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.89		1	06/27/2025 12:18	WG2548099

Sample Narrative:

L1871603-13 WG2548099: 7.89 at 23.3C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	502	umhos/cm		10.0	1	06/27/2025 23:40	WG2548101

Sample Narrative:

L1871603-13 WG2548101: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	35.9		23.0	1	06/24/2025 06:06	WG2544564

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	21000		400	4	06/25/2025 02:31	WG2544368

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	5780	V	23.0	1	06/23/2025 10:00	WG2544342
Antimony	ND	J6	2.30	1	06/23/2025 10:00	WG2544342
Beryllium	0.569		0.230	1	06/23/2025 10:00	WG2544342
Calcium	10800	O1	115	1	06/23/2025 10:00	WG2544342
Chromium	7.36		1.15	1	06/23/2025 10:00	WG2544342
Cobalt	4.62		1.15	1	06/23/2025 10:00	WG2544342
Iron	8550	O1 V	11.5	1	06/23/2025 10:00	WG2544342
Magnesium	3210	J6	115	1	06/23/2025 10:00	WG2544342
Manganese	305		1.15	1	06/23/2025 10:00	WG2544342
Potassium	2790	J6	115	1	06/23/2025 10:00	WG2544342
Sodium	210		115	1	06/23/2025 10:00	WG2544342
Thallium	ND	J6	2.30	1	06/23/2025 10:00	WG2544342
Vanadium	15.2		2.30	1	06/23/2025 10:00	WG2544342

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.875		0.100	1	06/27/2025 17:45	WG2548045

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.44		0.115	5	06/23/2025 20:49	WG2544351
Barium	93.5		11.5	5	06/23/2025 20:49	WG2544351
Cadmium	0.390		0.115	5	06/23/2025 20:49	WG2544351
Copper	13.4		11.5	5	06/23/2025 20:49	WG2544351
Lead	22.0		11.5	5	06/23/2025 20:49	WG2544351
Nickel	ND		11.5	5	06/23/2025 20:49	WG2544351
Selenium	0.599		0.115	5	06/23/2025 20:49	WG2544351
Silver	ND		0.576	5	06/23/2025 20:49	WG2544351
Zinc	65.9		57.6	5	06/23/2025 20:49	WG2544351

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		3.26	25	06/21/2025 06:32	WG2543114
(S) a,a,a-Trifluorotoluene(FID)	*101*		*77.0-120*		*06/21/2025 06:32*	WG2543114

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	0.0652	1	06/21/2025 08:50	WG2543444
Acetone	ND	Q	0.0653	1	07/05/2025 15:00	WG2552305
Acrylonitrile	ND		0.0163	1	06/21/2025 08:50	WG2543444
Acrylonitrile	ND	Q	0.0163	1	07/05/2025 15:00	WG2552305
Benzene	ND		0.00130	1	06/21/2025 08:50	WG2543444
Benzene	ND	Q	0.00131	1	07/05/2025 15:00	WG2552305
Bromobenzene	ND		0.0163	1	06/21/2025 08:50	WG2543444
Bromobenzene	ND	Q	0.0163	1	07/05/2025 15:00	WG2552305
Bromodichloromethane	ND		0.00326	1	06/21/2025 08:50	WG2543444
Bromodichloromethane	ND	Q	0.00326	1	07/05/2025 15:00	WG2552305
Bromoform	ND		0.0326	1	06/21/2025 08:50	WG2543444
Bromoform	ND	Q	0.0326	1	07/05/2025 15:00	WG2552305
Bromomethane	ND		0.0163	1	06/21/2025 08:50	WG2543444

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Bromomethane	ND	Q	0.0163	1	07/05/2025 15:00	WG2552305
n-Butylbenzene	ND		0.0163	1	06/21/2025 08:50	WG2543444
n-Butylbenzene	ND	Q	0.0163	1	07/05/2025 15:00	WG2552305
sec-Butylbenzene	ND		0.0163	1	06/21/2025 08:50	WG2543444
sec-Butylbenzene	ND	Q	0.0163	1	07/05/2025 15:00	WG2552305
tert-Butylbenzene	ND		0.00652	1	06/21/2025 08:50	WG2543444
tert-Butylbenzene	ND	Q	0.00653	1	07/05/2025 15:00	WG2552305
Carbon tetrachloride	ND		0.00652	1	06/21/2025 08:50	WG2543444
Carbon tetrachloride	ND	Q	0.00653	1	07/05/2025 15:00	WG2552305
Chlorobenzene	ND		0.00326	1	06/21/2025 08:50	WG2543444
Chlorobenzene	ND	Q	0.00326	1	07/05/2025 15:00	WG2552305
Chlorodibromomethane	ND		0.00326	1	06/21/2025 08:50	WG2543444
Chlorodibromomethane	ND	Q	0.00326	1	07/05/2025 15:00	WG2552305
Chloroethane	ND		0.00652	1	06/21/2025 08:50	WG2543444
Chloroethane	ND	Q	0.00653	1	07/05/2025 15:00	WG2552305
Chloroform	ND		0.00326	1	06/21/2025 08:50	WG2543444
Chloroform	ND	Q	0.00326	1	07/05/2025 15:00	WG2552305
Chloromethane	ND		0.0163	1	06/21/2025 08:50	WG2543444
Chloromethane	ND	J4 Q	0.0163	1	07/05/2025 15:00	WG2552305
2-Chlorotoluene	ND		0.00326	1	06/21/2025 08:50	WG2543444
2-Chlorotoluene	ND	Q	0.00326	1	07/05/2025 15:00	WG2552305
4-Chlorotoluene	ND		0.00652	1	06/21/2025 08:50	WG2543444
4-Chlorotoluene	ND	Q	0.00653	1	07/05/2025 15:00	WG2552305
1,2-Dibromo-3-Chloropropane	ND		0.0326	1	06/21/2025 08:50	WG2543444
1,2-Dibromo-3-Chloropropane	ND	Q	0.0326	1	07/05/2025 15:00	WG2552305
1,2-Dibromoethane	ND		0.00326	1	06/21/2025 08:50	WG2543444
1,2-Dibromoethane	ND	Q	0.00326	1	07/05/2025 15:00	WG2552305
Dibromomethane	ND		0.00652	1	06/21/2025 08:50	WG2543444
Dibromomethane	ND	Q	0.00653	1	07/05/2025 15:00	WG2552305
1,2-Dichlorobenzene	ND		0.00652	1	06/21/2025 08:50	WG2543444
1,2-Dichlorobenzene	ND	Q	0.00653	1	07/05/2025 15:00	WG2552305
1,3-Dichlorobenzene	ND		0.00652	1	06/21/2025 08:50	WG2543444
1,3-Dichlorobenzene	ND	Q	0.00653	1	07/05/2025 15:00	WG2552305
1,4-Dichlorobenzene	ND		0.00652	1	06/21/2025 08:50	WG2543444
1,4-Dichlorobenzene	ND	Q	0.00653	1	07/05/2025 15:00	WG2552305
Dichlorodifluoromethane	ND		0.00652	1	06/21/2025 08:50	WG2543444
Dichlorodifluoromethane	ND	Q	0.00653	1	07/05/2025 15:00	WG2552305
1,1-Dichloroethane	ND		0.00326	1	06/21/2025 08:50	WG2543444
1,1-Dichloroethane	ND	Q	0.00326	1	07/05/2025 15:00	WG2552305
1,2-Dichloroethane	ND		0.00326	1	06/21/2025 08:50	WG2543444
1,2-Dichloroethane	ND	Q	0.00326	1	07/05/2025 15:00	WG2552305
1,1-Dichloroethene	ND		0.00326	1	06/21/2025 08:50	WG2543444
1,1-Dichloroethene	ND	Q	0.00326	1	07/05/2025 15:00	WG2552305
cis-1,2-Dichloroethene	ND		0.00326	1	06/21/2025 08:50	WG2543444
cis-1,2-Dichloroethene	ND	Q	0.00326	1	07/05/2025 15:00	WG2552305
trans-1,2-Dichloroethene	ND		0.00652	1	06/21/2025 08:50	WG2543444
trans-1,2-Dichloroethene	ND	Q	0.00653	1	07/05/2025 15:00	WG2552305
1,2-Dichloropropane	ND		0.00652	1	06/21/2025 08:50	WG2543444
1,2-Dichloropropane	ND	Q	0.00653	1	07/05/2025 15:00	WG2552305
1,1-Dichloropropene	ND		0.00326	1	06/21/2025 08:50	WG2543444
1,1-Dichloropropene	ND	Q	0.00326	1	07/05/2025 15:00	WG2552305
1,3-Dichloropropane	ND		0.00652	1	06/21/2025 08:50	WG2543444
1,3-Dichloropropane	ND	Q	0.00653	1	07/05/2025 15:00	WG2552305
cis-1,3-Dichloropropene	ND		0.00326	1	06/21/2025 08:50	WG2543444
cis-1,3-Dichloropropene	ND	Q	0.00326	1	07/05/2025 15:00	WG2552305
trans-1,3-Dichloropropene	ND		0.00652	1	06/21/2025 08:50	WG2543444

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
trans-1,3-Dichloropropene	ND	Q	0.00653	1	07/05/2025 15:00	WG2552305
2,2-Dichloropropane	ND		0.00326	1	06/21/2025 08:50	WG2543444
2,2-Dichloropropane	ND	Q	0.00326	1	07/05/2025 15:00	WG2552305
Di-isopropyl ether	ND		0.00130	1	06/21/2025 08:50	WG2543444
Di-isopropyl ether	ND	Q	0.00131	1	07/05/2025 15:00	WG2552305
Ethylbenzene	ND		0.0130	1	06/21/2025 08:50	WG2543444
Ethylbenzene	ND	Q	0.0131	1	07/05/2025 15:00	WG2552305
Hexachloro-1,3-butadiene	ND	C3	0.0326	1	06/21/2025 08:50	WG2543444
Hexachloro-1,3-butadiene	ND	Q	0.0326	1	07/05/2025 15:00	WG2552305
Isopropylbenzene	ND		0.00326	1	06/21/2025 08:50	WG2543444
Isopropylbenzene	ND	Q	0.00326	1	07/05/2025 15:00	WG2552305
p-Isopropyltoluene	ND		0.00652	1	06/21/2025 08:50	WG2543444
p-Isopropyltoluene	ND	Q	0.00653	1	07/05/2025 15:00	WG2552305
2-Butanone (MEK)	ND		0.130	1	06/21/2025 08:50	WG2543444
2-Butanone (MEK)	ND	Q	0.131	1	07/05/2025 15:00	WG2552305
Methylene Chloride	ND		0.0326	1	06/21/2025 08:50	WG2543444
Methylene Chloride	ND	Q	0.0326	1	07/05/2025 15:00	WG2552305
4-Methyl-2-pentanone (MIBK)	ND		0.0326	1	06/21/2025 08:50	WG2543444
4-Methyl-2-pentanone (MIBK)	ND	Q	0.0326	1	07/05/2025 15:00	WG2552305
Methyl tert-butyl ether	ND		0.00130	1	06/21/2025 08:50	WG2543444
Methyl tert-butyl ether	ND	Q	0.00131	1	07/05/2025 15:00	WG2552305
n-Propylbenzene	ND		0.00652	1	06/21/2025 08:50	WG2543444
n-Propylbenzene	ND	Q	0.00653	1	07/05/2025 15:00	WG2552305
Styrene	ND		0.0163	1	06/21/2025 08:50	WG2543444
Styrene	ND	Q	0.0163	1	07/05/2025 15:00	WG2552305
1,1,1,2-Tetrachloroethane	ND		0.00326	1	06/21/2025 08:50	WG2543444
1,1,1,2-Tetrachloroethane	ND	Q	0.00326	1	07/05/2025 15:00	WG2552305
1,1,2,2-Tetrachloroethane	ND		0.00326	1	06/21/2025 08:50	WG2543444
1,1,2,2-Tetrachloroethane	ND	J3 Q	0.00326	1	07/05/2025 15:00	WG2552305
1,1,2-Trichlorotrifluoroethane	ND		0.00326	1	06/21/2025 08:50	WG2543444
1,1,2-Trichlorotrifluoroethane	ND	Q	0.00326	1	07/05/2025 15:00	WG2552305
Tetrachloroethene	ND		0.00326	1	06/21/2025 08:50	WG2543444
Tetrachloroethene	ND	Q	0.00326	1	07/05/2025 15:00	WG2552305
Toluene	ND		0.0130	1	06/21/2025 08:50	WG2543444
Toluene	ND	Q	0.0131	1	07/05/2025 15:00	WG2552305
1,2,3-Trichlorobenzene	ND	C3	0.0163	1	06/21/2025 08:50	WG2543444
1,2,3-Trichlorobenzene	ND	Q	0.0163	1	07/05/2025 15:00	WG2552305
1,2,4-Trichlorobenzene	ND		0.0163	1	06/21/2025 08:50	WG2543444
1,2,4-Trichlorobenzene	ND	Q	0.0163	1	07/05/2025 15:00	WG2552305
1,1,1-Trichloroethane	ND		0.00326	1	06/21/2025 08:50	WG2543444
1,1,1-Trichloroethane	ND	Q	0.00326	1	07/05/2025 15:00	WG2552305
1,1,2-Trichloroethane	ND		0.00326	1	06/21/2025 08:50	WG2543444
1,1,2-Trichloroethane	ND	Q	0.00326	1	07/05/2025 15:00	WG2552305
Trichloroethene	ND		0.00130	1	06/21/2025 08:50	WG2543444
Trichloroethene	ND	Q	0.00131	1	07/05/2025 15:00	WG2552305
Trichlorofluoromethane	ND		0.00326	1	06/21/2025 08:50	WG2543444
Trichlorofluoromethane	ND	Q	0.00326	1	07/05/2025 15:00	WG2552305
1,2,3-Trichloropropane	ND		0.0163	1	06/21/2025 08:50	WG2543444
1,2,3-Trichloropropane	ND	Q	0.0163	1	07/05/2025 15:00	WG2552305
1,2,3-Trimethylbenzene	ND		0.00652	1	06/21/2025 08:50	WG2543444
1,2,3-Trimethylbenzene	ND	Q	0.00653	1	07/05/2025 15:00	WG2552305
1,2,4-Trimethylbenzene	ND		0.00652	1	06/21/2025 08:50	WG2543444
1,2,4-Trimethylbenzene	ND	Q	0.00653	1	07/05/2025 15:00	WG2552305
1,3,5-Trimethylbenzene	ND		0.00652	1	06/21/2025 08:50	WG2543444
1,3,5-Trimethylbenzene	ND	Q	0.00653	1	07/05/2025 15:00	WG2552305
Vinyl chloride	ND		0.00326	1	06/21/2025 08:50	WG2543444

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Vinyl chloride	ND	Q	0.00326	1	07/05/2025 15:00	WG2552305
Xylenes, Total	ND		0.130	1	06/21/2025 08:50	WG2543444
Xylenes, Total	ND	Q	0.131	1	07/05/2025 15:00	WG2552305
(S) Toluene-d8	*103*		*75.0-131*		*06/21/2025 08:50*	WG2543444
(S) Toluene-d8	*101*		*75.0-131*		*07/05/2025 15:00*	WG2552305
(S) 4-Bromofluorobenzene	*102*		*67.0-138*		*06/21/2025 08:50*	WG2543444
(S) 4-Bromofluorobenzene	*95.9*		*67.0-138*		*07/05/2025 15:00*	WG2552305
(S) 1,2-Dichloroethane-d4	*89.4*		*70.0-130*		*06/21/2025 08:50*	WG2543444
(S) 1,2-Dichloroethane-d4	*94.1*		*70.0-130*		*07/05/2025 15:00*	WG2552305

Sample Narrative:

L1871603-13 WG2552305: Reporting OOH to report requested MS/MSD.

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		23.0	5	06/28/2025 07:29	WG2547465
C28-C36 Motor Oil Range	75.6		23.0	5	06/28/2025 07:29	WG2547465
(S) o-Terphenyl	*58.6*		*18.0-148*		*06/28/2025 07:29*	WG2547465

Sample Narrative:

L1871603-13 WG2547465: 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		0.0384	1	07/01/2025 18:29	WG2548983
Benzidine	ND	J4 J6	1.92	1	07/01/2025 18:29	WG2548983
Benzo(g,h,i)perylene	ND		0.0384	1	07/01/2025 18:29	WG2548983
Bis(2-chlorethoxy)methane	ND		0.384	1	07/01/2025 18:29	WG2548983
Bis(2-chloroethyl)ether	ND		0.384	1	07/01/2025 18:29	WG2548983
2,2-Oxybis(1-Chloropropane)	ND		0.384	1	07/01/2025 18:29	WG2548983
4-Bromophenyl-phenylether	ND		0.384	1	07/01/2025 18:29	WG2548983
2-Chloronaphthalene	ND		0.0384	1	07/01/2025 18:29	WG2548983
4-Chlorophenyl-phenylether	ND		0.384	1	07/01/2025 18:29	WG2548983
1,2-Dichlorobenzene	ND		0.384	1	07/01/2025 18:29	WG2548983
1,3-Dichlorobenzene	ND		0.384	1	07/01/2025 18:29	WG2548983
1,4-Dichlorobenzene	ND		0.384	1	07/01/2025 18:29	WG2548983
3,3-Dichlorobenzidine	ND		0.384	1	07/01/2025 18:29	WG2548983
2,4-Dinitrotoluene	ND		0.384	1	07/01/2025 18:29	WG2548983
2,6-Dinitrotoluene	ND		0.384	1	07/01/2025 18:29	WG2548983
Hexachlorobenzene	ND		0.384	1	07/01/2025 18:29	WG2548983
Hexachloro-1,3-butadiene	ND		0.384	1	07/01/2025 18:29	WG2548983
Hexachlorocyclopentadiene	ND	C7 J6	0.384	1	07/01/2025 18:29	WG2548983
Hexachloroethane	ND		0.384	1	07/01/2025 18:29	WG2548983
Isophorone	ND		0.384	1	07/01/2025 18:29	WG2548983
Nitrobenzene	ND		0.384	1	07/01/2025 18:29	WG2548983
n-Nitrosodimethylamine	ND		0.384	1	07/01/2025 18:29	WG2548983
n-Nitrosodiphenylamine	ND		0.384	1	07/01/2025 18:29	WG2548983
n-Nitrosodi-n-propylamine	ND		0.384	1	07/01/2025 18:29	WG2548983
Phenanthrene	ND		0.0384	1	07/01/2025 18:29	WG2548983
Benzylbutyl phthalate	ND		0.384	1	07/01/2025 18:29	WG2548983
Bis(2-ethylhexyl)phthalate	ND		0.384	1	07/01/2025 18:29	WG2548983
Di-n-butyl phthalate	ND		0.384	1	07/01/2025 18:29	WG2548983
Diethyl phthalate	ND		0.384	1	07/01/2025 18:29	WG2548983

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dimethyl phthalate	ND		0.384	1	07/01/2025 18:29	WG2548983
Di-n-octyl phthalate	ND		0.384	1	07/01/2025 18:29	WG2548983
1,2,4-Trichlorobenzene	ND		0.384	1	07/01/2025 18:29	WG2548983
4-Chloro-3-methylphenol	ND		0.384	1	07/01/2025 18:29	WG2548983
2-Chlorophenol	ND		0.384	1	07/01/2025 18:29	WG2548983
2,4-Dichlorophenol	ND		0.384	1	07/01/2025 18:29	WG2548983
2,4-Dimethylphenol	ND		0.384	1	07/01/2025 18:29	WG2548983
4,6-Dinitro-2-methylphenol	ND		0.384	1	07/01/2025 18:29	WG2548983
2,4-Dinitrophenol	ND		0.384	1	07/01/2025 18:29	WG2548983
2-Nitrophenol	ND		0.384	1	07/01/2025 18:29	WG2548983
4-Nitrophenol	ND		0.384	1	07/01/2025 18:29	WG2548983
Pentachlorophenol	ND		0.384	1	07/01/2025 18:29	WG2548983
Phenol	ND		0.384	1	07/01/2025 18:29	WG2548983
2,4,6-Trichlorophenol	ND		0.384	1	07/01/2025 18:29	WG2548983
(S) 2-Fluorophenol	*64.9*		*12.0-120*		*07/01/2025 18:29*	WG2548983
(S) Phenol-d5	*64.7*		*10.0-120*		*07/01/2025 18:29*	WG2548983
(S) Nitrobenzene-d5	*64.7*		*10.0-122*		*07/01/2025 18:29*	WG2548983
(S) 2-Fluorobiphenyl	*55.0*		*15.0-120*		*07/01/2025 18:29*	WG2548983
(S) 2,4,6-Tribromophenol	*78.9*		*10.0-127*		*07/01/2025 18:29*	WG2548983
(S) p-Terphenyl-d14	*61.7*		*10.0-120*		*07/01/2025 18:29*	WG2548983

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		0.0380	1	06/30/2025 22:58	WG2549212
Acenaphthene	ND		0.0380	1	06/30/2025 22:58	WG2549212
Acenaphthylene	ND		0.0380	1	06/30/2025 22:58	WG2549212
Benzo(a)anthracene	0.00848		0.00691	1	06/30/2025 22:58	WG2549212
Benzo(a)pyrene	ND		0.0380	1	06/30/2025 22:58	WG2549212
Benzo(b)fluoranthene	ND		0.0380	1	06/30/2025 22:58	WG2549212
Benzo(g,h,i)perylene	ND		0.0380	1	06/30/2025 22:58	WG2549212
Benzo(k)fluoranthene	ND		0.0380	1	06/30/2025 22:58	WG2549212
Chrysene	ND		0.0380	1	06/30/2025 22:58	WG2549212
Dibenz(a,h)anthracene	ND		0.0380	1	06/30/2025 22:58	WG2549212
Fluoranthene	ND		0.0380	1	06/30/2025 22:58	WG2549212
Fluorene	ND		0.0380	1	06/30/2025 22:58	WG2549212
Indeno(1,2,3-cd)pyrene	ND		0.0380	1	06/30/2025 22:58	WG2549212
Naphthalene	ND		0.00346	1	06/30/2025 22:58	WG2549212
Phenanthrene	ND		0.0380	1	06/30/2025 22:58	WG2549212
Pyrene	ND		0.0380	1	06/30/2025 22:58	WG2549212
1-Methylnaphthalene	ND		0.00346	1	06/30/2025 22:58	WG2549212
2-Methylnaphthalene	ND		0.0138	1	06/30/2025 22:58	WG2549212
(S) p-Terphenyl-d14	*140*	J1	*23.0-120*		*06/30/2025 22:58*	WG2549212
(S) Nitrobenzene-d5	*123*		*14.0-149*		*06/30/2025 22:58*	WG2549212
(S) 2-Fluorobiphenyl	*113*		*34.0-125*		*06/30/2025 22:58*	WG2549212

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.629		1	06/27/2025 05:25	WG2546137

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	2640		25.6	1	06/27/2025 11:22	WG2543944

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	78.1		1	06/20/2025 15:38	WG2543246

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		12.8	1	06/23/2025 18:20	WG2544514

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	2640		128	5	06/27/2025 11:22	WG2547585

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.256	1	06/27/2025 16:55	WG2544394

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.47		1	06/27/2025 12:18	WG2548099

Sample Narrative:

L1871603-14 WG2548099: 7.47 at 23.5C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	771	umhos/cm		10.0	1	06/27/2025 23:40	WG2548101

Sample Narrative:

L1871603-14 WG2548101: 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		25.6	1	06/22/2025 04:30	WG2543944

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	62600		4200	42	06/25/2025 02:32	WG2544368

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	4040		25.6	1	06/23/2025 10:26	WG2544342
Antimony	ND		2.56	1	06/23/2025 10:26	WG2544342
Beryllium	0.431		0.256	1	06/23/2025 10:26	WG2544342
Calcium	6670		128	1	06/23/2025 10:26	WG2544342
Chromium	5.09		1.28	1	06/23/2025 10:26	WG2544342
Cobalt	3.61		1.28	1	06/23/2025 10:26	WG2544342
Iron	6250		12.8	1	06/23/2025 10:26	WG2544342
Magnesium	2300		128	1	06/23/2025 10:26	WG2544342
Manganese	278		1.28	1	06/23/2025 10:26	WG2544342
Potassium	2570		128	1	06/23/2025 10:26	WG2544342
Sodium	ND		128	1	06/23/2025 10:26	WG2544342
Thallium	ND		2.56	1	06/23/2025 10:26	WG2544342
Vanadium	11.3		2.56	1	06/23/2025 10:26	WG2544342

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.23		0.100	1	06/27/2025 17:48	WG2548045

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.15		0.128	5	06/23/2025 21:44	WG2544351
Barium	64.3		12.8	5	06/23/2025 21:44	WG2544351
Cadmium	0.249		0.128	5	06/23/2025 21:44	WG2544351
Copper	ND		12.8	5	06/23/2025 21:44	WG2544351
Lead	ND		12.8	5	06/23/2025 21:44	WG2544351
Nickel	ND		12.8	5	06/23/2025 21:44	WG2544351
Selenium	0.515		0.128	5	06/23/2025 21:44	WG2544351
Silver	ND		0.640	5	06/23/2025 21:44	WG2544351
Zinc	ND		64.0	5	06/23/2025 21:44	WG2544351

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		3.91	25	06/21/2025 06:54	WG2543114
(S) a,a,a-Trifluorotoluene(FID)	*99.3*		*77.0-120*		*06/21/2025 06:54*	WG2543114

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	0.0781	1	06/21/2025 09:09	WG2543444
Acrylonitrile	ND		0.0195	1	06/21/2025 09:09	WG2543444
Benzene	ND		0.00156	1	06/21/2025 09:09	WG2543444
Bromobenzene	ND		0.0195	1	06/21/2025 09:09	WG2543444
Bromodichloromethane	ND		0.00391	1	06/21/2025 09:09	WG2543444
Bromoform	ND		0.0391	1	06/21/2025 09:09	WG2543444
Bromomethane	ND		0.0195	1	06/21/2025 09:09	WG2543444
n-Butylbenzene	ND		0.0195	1	06/21/2025 09:09	WG2543444
sec-Butylbenzene	ND		0.0195	1	06/21/2025 09:09	WG2543444
tert-Butylbenzene	ND		0.00781	1	06/21/2025 09:09	WG2543444
Carbon tetrachloride	ND		0.00781	1	06/21/2025 09:09	WG2543444
Chlorobenzene	ND		0.00391	1	06/21/2025 09:09	WG2543444
Chlorodibromomethane	ND		0.00391	1	06/21/2025 09:09	WG2543444

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		0.00781	1	06/21/2025 09:09	WG2543444
Chloroform	ND		0.00391	1	06/21/2025 09:09	WG2543444
Chloromethane	ND		0.0195	1	06/21/2025 09:09	WG2543444
2-Chlorotoluene	ND		0.00391	1	06/21/2025 09:09	WG2543444
4-Chlorotoluene	ND		0.00781	1	06/21/2025 09:09	WG2543444
1,2-Dibromo-3-Chloropropane	ND		0.0391	1	06/21/2025 09:09	WG2543444
1,2-Dibromoethane	ND		0.00391	1	06/21/2025 09:09	WG2543444
Dibromomethane	ND		0.00781	1	06/21/2025 09:09	WG2543444
1,2-Dichlorobenzene	ND		0.00781	1	06/21/2025 09:09	WG2543444
1,3-Dichlorobenzene	ND		0.00781	1	06/21/2025 09:09	WG2543444
1,4-Dichlorobenzene	ND		0.00781	1	06/21/2025 09:09	WG2543444
Dichlorodifluoromethane	ND		0.00781	1	06/21/2025 09:09	WG2543444
1,1-Dichloroethane	ND		0.00391	1	06/21/2025 09:09	WG2543444
1,2-Dichloroethane	ND		0.00391	1	06/21/2025 09:09	WG2543444
1,1-Dichloroethene	ND		0.00391	1	06/21/2025 09:09	WG2543444
cis-1,2-Dichloroethene	ND		0.00391	1	06/21/2025 09:09	WG2543444
trans-1,2-Dichloroethene	ND		0.00781	1	06/21/2025 09:09	WG2543444
1,2-Dichloropropane	ND		0.00781	1	06/21/2025 09:09	WG2543444
1,1-Dichloropropene	ND		0.00391	1	06/21/2025 09:09	WG2543444
1,3-Dichloropropane	ND		0.00781	1	06/21/2025 09:09	WG2543444
cis-1,3-Dichloropropene	ND		0.00391	1	06/21/2025 09:09	WG2543444
trans-1,3-Dichloropropene	ND		0.00781	1	06/21/2025 09:09	WG2543444
2,2-Dichloropropane	ND		0.00391	1	06/21/2025 09:09	WG2543444
Di-isopropyl ether	ND		0.00156	1	06/21/2025 09:09	WG2543444
Ethylbenzene	ND		0.0156	1	06/21/2025 09:09	WG2543444
Hexachloro-1,3-butadiene	ND	C3	0.0391	1	06/21/2025 09:09	WG2543444
Isopropylbenzene	ND		0.00391	1	06/21/2025 09:09	WG2543444
p-Isopropyltoluene	ND		0.00781	1	06/21/2025 09:09	WG2543444
2-Butanone (MEK)	ND		0.156	1	06/21/2025 09:09	WG2543444
Methylene Chloride	ND		0.0391	1	06/21/2025 09:09	WG2543444
4-Methyl-2-pentanone (MIBK)	ND		0.0391	1	06/21/2025 09:09	WG2543444
Methyl tert-butyl ether	ND		0.00156	1	06/21/2025 09:09	WG2543444
n-Propylbenzene	ND		0.00781	1	06/21/2025 09:09	WG2543444
Styrene	ND		0.0195	1	06/21/2025 09:09	WG2543444
1,1,1,2-Tetrachloroethane	ND		0.00391	1	06/21/2025 09:09	WG2543444
1,1,2,2-Tetrachloroethane	ND		0.00391	1	06/21/2025 09:09	WG2543444
1,1,2-Trichlorotrifluoroethane	ND		0.00391	1	06/21/2025 09:09	WG2543444
Tetrachloroethene	ND		0.00391	1	06/21/2025 09:09	WG2543444
Toluene	ND		0.0156	1	06/21/2025 09:09	WG2543444
1,2,3-Trichlorobenzene	ND	C3	0.0195	1	06/21/2025 09:09	WG2543444
1,2,4-Trichlorobenzene	ND		0.0195	1	06/21/2025 09:09	WG2543444
1,1,1-Trichloroethane	ND		0.00391	1	06/21/2025 09:09	WG2543444
1,1,2-Trichloroethane	ND		0.00391	1	06/21/2025 09:09	WG2543444
Trichloroethene	ND		0.00156	1	06/21/2025 09:09	WG2543444
Trichlorofluoromethane	ND		0.00391	1	06/21/2025 09:09	WG2543444
1,2,3-Trichloropropane	ND		0.0195	1	06/21/2025 09:09	WG2543444
1,2,3-Trimethylbenzene	ND		0.00781	1	06/21/2025 09:09	WG2543444
1,2,4-Trimethylbenzene	ND		0.00781	1	06/21/2025 09:09	WG2543444
1,3,5-Trimethylbenzene	ND		0.00781	1	06/21/2025 09:09	WG2543444
Vinyl chloride	ND		0.00391	1	06/21/2025 09:09	WG2543444
Xylenes, Total	ND		0.156	1	06/21/2025 09:09	WG2543444
(S) Toluene-d8	*105*		*75.0-131*		*06/21/2025 09:09*	WG2543444
(S) 4-Bromofluorobenzene	*103*		*67.0-138*		*06/21/2025 09:09*	WG2543444
(S) 1,2-Dichloroethane-d4	*89.8*		*70.0-130*		*06/21/2025 09:09*	WG2543444

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	13.1		5.12	1	06/28/2025 04:54	WG2547465
C28-C36 Motor Oil Range	104		5.12	1	06/28/2025 04:54	WG2547465
(S) o-Terphenyl	*34.5*		*18.0-148*		*06/28/2025 04:54*	WG2547465

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		0.0426	1	07/01/2025 19:38	WG2548983
Benzidine	ND	J4	2.14	1	07/01/2025 19:38	WG2548983
Benzo(g,h,i)perylene	ND		0.0426	1	07/01/2025 19:38	WG2548983
Bis(2-chlorethoxy)methane	ND		0.426	1	07/01/2025 19:38	WG2548983
Bis(2-chloroethyl)ether	ND		0.426	1	07/01/2025 19:38	WG2548983
2,2-Oxybis(1-Chloropropane)	ND		0.426	1	07/01/2025 19:38	WG2548983
4-Bromophenyl-phenylether	ND		0.426	1	07/01/2025 19:38	WG2548983
2-Chloronaphthalene	ND		0.0426	1	07/01/2025 19:38	WG2548983
4-Chlorophenyl-phenylether	ND		0.426	1	07/01/2025 19:38	WG2548983
1,2-Dichlorobenzene	ND		0.426	1	07/01/2025 19:38	WG2548983
1,3-Dichlorobenzene	ND		0.426	1	07/01/2025 19:38	WG2548983
1,4-Dichlorobenzene	ND		0.426	1	07/01/2025 19:38	WG2548983
3,3-Dichlorobenzidine	ND		0.426	1	07/01/2025 19:38	WG2548983
2,4-Dinitrotoluene	ND		0.426	1	07/01/2025 19:38	WG2548983
2,6-Dinitrotoluene	ND		0.426	1	07/01/2025 19:38	WG2548983
Hexachlorobenzene	ND		0.426	1	07/01/2025 19:38	WG2548983
Hexachloro-1,3-butadiene	ND		0.426	1	07/01/2025 19:38	WG2548983
Hexachlorocyclopentadiene	ND	C7	0.426	1	07/01/2025 19:38	WG2548983
Hexachloroethane	ND		0.426	1	07/01/2025 19:38	WG2548983
Isophorone	ND		0.426	1	07/01/2025 19:38	WG2548983
Nitrobenzene	ND		0.426	1	07/01/2025 19:38	WG2548983
n-Nitrosodimethylamine	ND		0.426	1	07/01/2025 19:38	WG2548983
n-Nitrosodiphenylamine	ND		0.426	1	07/01/2025 19:38	WG2548983
n-Nitrosodi-n-propylamine	ND		0.426	1	07/01/2025 19:38	WG2548983
Phenanthrene	ND		0.0426	1	07/01/2025 19:38	WG2548983
Benzylbutyl phthalate	ND		0.426	1	07/01/2025 19:38	WG2548983
Bis(2-ethylhexyl)phthalate	ND		0.426	1	07/01/2025 19:38	WG2548983
Di-n-butyl phthalate	ND		0.426	1	07/01/2025 19:38	WG2548983
Diethyl phthalate	ND		0.426	1	07/01/2025 19:38	WG2548983
Dimethyl phthalate	ND		0.426	1	07/01/2025 19:38	WG2548983
Di-n-octyl phthalate	ND		0.426	1	07/01/2025 19:38	WG2548983
1,2,4-Trichlorobenzene	ND		0.426	1	07/01/2025 19:38	WG2548983
4-Chloro-3-methylphenol	ND		0.426	1	07/01/2025 19:38	WG2548983
2-Chlorophenol	ND		0.426	1	07/01/2025 19:38	WG2548983
2,4-Dichlorophenol	ND		0.426	1	07/01/2025 19:38	WG2548983
2,4-Dimethylphenol	ND		0.426	1	07/01/2025 19:38	WG2548983
4,6-Dinitro-2-methylphenol	ND		0.426	1	07/01/2025 19:38	WG2548983
2,4-Dinitrophenol	ND		0.426	1	07/01/2025 19:38	WG2548983
2-Nitrophenol	ND		0.426	1	07/01/2025 19:38	WG2548983
4-Nitrophenol	ND		0.426	1	07/01/2025 19:38	WG2548983
Pentachlorophenol	ND		0.426	1	07/01/2025 19:38	WG2548983
Phenol	ND		0.426	1	07/01/2025 19:38	WG2548983
2,4,6-Trichlorophenol	ND		0.426	1	07/01/2025 19:38	WG2548983
(S) 2-Fluorophenol	*63.8*		*12.0-120*		*07/01/2025 19:38*	WG2548983
(S) Phenol-d5	*62.7*		*10.0-120*		*07/01/2025 19:38*	WG2548983
(S) Nitrobenzene-d5	*61.7*		*10.0-122*		*07/01/2025 19:38*	WG2548983
(S) 2-Fluorobiphenyl	*51.8*		*15.0-120*		*07/01/2025 19:38*	WG2548983
(S) 2,4,6-Tribromophenol	*75.6*		*10.0-127*		*07/01/2025 19:38*	WG2548983
(S) p-Terphenyl-d14	*56.1*		*10.0-120*		*07/01/2025 19:38*	WG2548983

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	J4	0.0423	1	06/26/2025 21:58	WG2547085
Acenaphthene	ND		0.0423	1	06/26/2025 21:58	WG2547085
Acenaphthylene	ND		0.0423	1	06/26/2025 21:58	WG2547085
Benzo(a)anthracene	ND	J4	0.00768	1	06/26/2025 21:58	WG2547085
Benzo(a)pyrene	ND		0.0423	1	06/26/2025 21:58	WG2547085
Benzo(b)fluoranthene	ND	J4	0.0423	1	06/26/2025 21:58	WG2547085
Benzo(g,h,i)perylene	ND	J4	0.0423	1	06/26/2025 21:58	WG2547085
Benzo(k)fluoranthene	ND	J4	0.0423	1	06/26/2025 21:58	WG2547085
Chrysene	ND	J4	0.0423	1	06/26/2025 21:58	WG2547085
Dibenz(a,h)anthracene	ND	J4	0.0423	1	06/26/2025 21:58	WG2547085
Fluoranthene	ND	J4	0.0423	1	06/26/2025 21:58	WG2547085
Fluorene	ND	J4	0.0423	1	06/26/2025 21:58	WG2547085
Indeno(1,2,3-cd)pyrene	ND	J4	0.0423	1	06/26/2025 21:58	WG2547085
Naphthalene	ND		0.00384	1	06/26/2025 21:58	WG2547085
Phenanthrene	ND	J4	0.0423	1	06/26/2025 21:58	WG2547085
Pyrene	ND	J4	0.0423	1	06/26/2025 21:58	WG2547085
1-Methylnaphthalene	ND		0.00384	1	06/26/2025 21:58	WG2547085
2-Methylnaphthalene	ND		0.0154	1	06/26/2025 21:58	WG2547085
(S) p-Terphenyl-d14	*100*		*23.0-120*		*06/26/2025 21:58*	WG2547085
(S) Nitrobenzene-d5	*97.1*		*14.0-149*		*06/26/2025 21:58*	WG2547085
(S) 2-Fluorobiphenyl	*97.5*		*34.0-125*		*06/26/2025 21:58*	WG2547085

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	06/21/2025 06:41	WG2543520
Acrolein	ND		0.0500	1	06/21/2025 06:41	WG2543520
Acrylonitrile	ND		0.0100	1	06/21/2025 06:41	WG2543520
Benzene	ND		0.00100	1	06/21/2025 06:41	WG2543520
Bromobenzene	ND		0.00100	1	06/21/2025 06:41	WG2543520
Bromodichloromethane	ND		0.00100	1	06/21/2025 06:41	WG2543520
Bromoform	ND		0.00100	1	06/21/2025 06:41	WG2543520
Bromomethane	ND		0.00500	1	06/21/2025 06:41	WG2543520
n-Butylbenzene	ND		0.00100	1	06/21/2025 06:41	WG2543520
sec-Butylbenzene	ND		0.00100	1	06/21/2025 06:41	WG2543520
tert-Butylbenzene	ND		0.00100	1	06/21/2025 06:41	WG2543520
Carbon tetrachloride	ND		0.00100	1	06/21/2025 06:41	WG2543520
Chlorobenzene	ND		0.00100	1	06/21/2025 06:41	WG2543520
Chlorodibromomethane	ND		0.00100	1	06/21/2025 06:41	WG2543520
Chloroethane	ND		0.00500	1	06/21/2025 06:41	WG2543520
Chloroform	ND		0.00500	1	06/21/2025 06:41	WG2543520
Chloromethane	ND		0.00250	1	06/21/2025 06:41	WG2543520
2-Chlorotoluene	ND		0.00100	1	06/21/2025 06:41	WG2543520
4-Chlorotoluene	ND		0.00100	1	06/21/2025 06:41	WG2543520
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	06/21/2025 06:41	WG2543520
1,2-Dibromoethane	ND		0.00100	1	06/21/2025 06:41	WG2543520
Dibromomethane	ND		0.00100	1	06/21/2025 06:41	WG2543520
1,2-Dichlorobenzene	ND		0.00100	1	06/21/2025 06:41	WG2543520
1,3-Dichlorobenzene	ND		0.00100	1	06/21/2025 06:41	WG2543520
1,4-Dichlorobenzene	ND		0.00100	1	06/21/2025 06:41	WG2543520
Dichlorodifluoromethane	ND	J3	0.00500	1	06/21/2025 06:41	WG2543520
1,1-Dichloroethane	ND		0.00100	1	06/21/2025 06:41	WG2543520
1,2-Dichloroethane	ND		0.00100	1	06/21/2025 06:41	WG2543520
1,1-Dichloroethene	ND		0.00100	1	06/21/2025 06:41	WG2543520
cis-1,2-Dichloroethene	ND		0.00100	1	06/21/2025 06:41	WG2543520
trans-1,2-Dichloroethene	ND		0.00100	1	06/21/2025 06:41	WG2543520
1,2-Dichloropropane	ND		0.00100	1	06/21/2025 06:41	WG2543520
1,1-Dichloropropene	ND		0.00100	1	06/21/2025 06:41	WG2543520
1,3-Dichloropropane	ND		0.00100	1	06/21/2025 06:41	WG2543520
cis-1,3-Dichloropropene	ND		0.00100	1	06/21/2025 06:41	WG2543520
trans-1,3-Dichloropropene	ND		0.00100	1	06/21/2025 06:41	WG2543520
2,2-Dichloropropane	ND		0.00100	1	06/21/2025 06:41	WG2543520
Di-isopropyl ether	ND		0.00100	1	06/21/2025 06:41	WG2543520
Ethylbenzene	ND		0.00100	1	06/21/2025 06:41	WG2543520
Hexachloro-1,3-butadiene	ND		0.00100	1	06/21/2025 06:41	WG2543520
Isopropylbenzene	ND		0.00100	1	06/21/2025 06:41	WG2543520
p-Isopropyltoluene	ND		0.00100	1	06/21/2025 06:41	WG2543520
2-Butanone (MEK)	ND		0.0100	1	06/21/2025 06:41	WG2543520
Methylene Chloride	ND		0.00500	1	06/21/2025 06:41	WG2543520
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	06/21/2025 06:41	WG2543520
Methyl tert-butyl ether	ND		0.00100	1	06/21/2025 06:41	WG2543520
Naphthalene	ND		0.00500	1	06/21/2025 06:41	WG2543520
n-Propylbenzene	ND		0.00100	1	06/21/2025 06:41	WG2543520
Styrene	ND		0.00100	1	06/21/2025 06:41	WG2543520
1,1,1,2-Tetrachloroethane	ND		0.00100	1	06/21/2025 06:41	WG2543520
1,1,2,2-Tetrachloroethane	ND		0.00100	1	06/21/2025 06:41	WG2543520
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	06/21/2025 06:41	WG2543520
Tetrachloroethene	ND		0.00100	1	06/21/2025 06:41	WG2543520
Toluene	ND		0.00100	1	06/21/2025 06:41	WG2543520
1,2,3-Trichlorobenzene	ND		0.00100	1	06/21/2025 06:41	WG2543520
1,2,4-Trichlorobenzene	ND		0.00100	1	06/21/2025 06:41	WG2543520

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	06/21/2025 06:41	WG2543520
1,1,2-Trichloroethane	ND		0.00100	1	06/21/2025 06:41	WG2543520
Trichloroethene	ND		0.00100	1	06/21/2025 06:41	WG2543520
Trichlorofluoromethane	ND		0.00500	1	06/21/2025 06:41	WG2543520
1,2,3-Trichloropropane	ND		0.00250	1	06/21/2025 06:41	WG2543520
1,2,4-Trimethylbenzene	ND		0.00100	1	06/21/2025 06:41	WG2543520
1,2,3-Trimethylbenzene	ND		0.00100	1	06/21/2025 06:41	WG2543520
1,3,5-Trimethylbenzene	ND		0.00100	1	06/21/2025 06:41	WG2543520
Vinyl chloride	ND		0.00100	1	06/21/2025 06:41	WG2543520
Xylenes, Total	ND		0.00300	1	06/21/2025 06:41	WG2543520
(S) Toluene-d8	*100*		*80.0-120*		*06/21/2025 06:41*	WG2543520
(S) 4-Bromofluorobenzene	*91.6*		*77.0-126*		*06/21/2025 06:41*	WG2543520
(S) 1,2-Dichloroethane-d4	*103*		*70.0-130*		*06/21/2025 06:41*	WG2543520

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.778		1	06/27/2025 05:27	WG2546137

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	2380		24.0	1	06/27/2025 09:30	WG2543944

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.2		1	06/20/2025 15:38	WG2543246

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	06/23/2025 18:21	WG2544514

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	2370		120	5	06/27/2025 09:30	WG2547586

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	06/27/2025 17:04	WG2544394

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.75		1	06/27/2025 12:18	WG2548099

Sample Narrative:

L1871603-16 WG2548099: 7.75 at 23.2C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	471	umhos/cm		10.0	1	06/27/2025 23:40	WG2548101

Sample Narrative:

L1871603-16 WG2548101: 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		24.0	1	06/22/2025 04:44	WG2543944

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	21500		500	5	06/25/2025 02:33	WG2544368

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	6220		24.0	1	06/23/2025 10:28	WG2544342
Antimony	ND		2.40	1	06/23/2025 10:28	WG2544342
Beryllium	0.640		0.240	1	06/23/2025 10:28	WG2544342
Calcium	9190		120	1	06/23/2025 10:28	WG2544342
Chromium	7.69		1.20	1	06/23/2025 10:28	WG2544342
Cobalt	5.17		1.20	1	06/23/2025 10:28	WG2544342
Iron	9950		12.0	1	06/23/2025 10:28	WG2544342
Magnesium	3220		120	1	06/23/2025 10:28	WG2544342
Manganese	371		1.20	1	06/23/2025 10:28	WG2544342
Potassium	2830		120	1	06/23/2025 10:28	WG2544342
Sodium	144		120	1	06/23/2025 10:28	WG2544342
Thallium	ND		2.40	1	06/23/2025 10:28	WG2544342
Vanadium	17.8		2.40	1	06/23/2025 10:28	WG2544342

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.65		0.100	1	06/27/2025 17:51	WG2548045

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.52		0.120	5	06/23/2025 21:47	WG2544351
Barium	94.0		12.0	5	06/23/2025 21:47	WG2544351
Cadmium	0.382		0.120	5	06/23/2025 21:47	WG2544351
Copper	ND		12.0	5	06/23/2025 21:47	WG2544351
Lead	17.1		12.0	5	06/23/2025 21:47	WG2544351
Nickel	ND		12.0	5	06/23/2025 21:47	WG2544351
Selenium	0.714		0.120	5	06/23/2025 21:47	WG2544351
Silver	ND		0.601	5	06/23/2025 21:47	WG2544351
Zinc	74.8		60.1	5	06/23/2025 21:47	WG2544351

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	06/21/2025 07:17	WG2543114
(S) a,a,a-Trifluorotoluene(FID)	*101*		*77.0-120*		*06/21/2025 07:17*	WG2543114

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	0.0702	1	06/21/2025 12:51	WG2543697
Acrylonitrile	ND		0.0175	1	06/21/2025 12:51	WG2543697
Benzene	ND		0.00140	1	06/21/2025 12:51	WG2543697
Bromobenzene	ND		0.0175	1	06/21/2025 12:51	WG2543697
Bromodichloromethane	ND		0.00351	1	06/21/2025 12:51	WG2543697
Bromoform	ND		0.0351	1	06/21/2025 12:51	WG2543697
Bromomethane	ND		0.0175	1	06/21/2025 12:51	WG2543697
n-Butylbenzene	ND		0.0175	1	06/21/2025 12:51	WG2543697
sec-Butylbenzene	ND		0.0175	1	06/21/2025 12:51	WG2543697
tert-Butylbenzene	ND		0.00702	1	06/21/2025 12:51	WG2543697
Carbon tetrachloride	ND		0.00702	1	06/21/2025 12:51	WG2543697
Chlorobenzene	ND		0.00351	1	06/21/2025 12:51	WG2543697
Chlorodibromomethane	ND		0.00351	1	06/21/2025 12:51	WG2543697

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	06/21/2025 12:51	WG2543697
Chloroform	ND		0.00351	1	06/21/2025 12:51	WG2543697
Chloromethane	ND		0.0175	1	06/21/2025 12:51	WG2543697
2-Chlorotoluene	ND		0.00351	1	06/21/2025 12:51	WG2543697
4-Chlorotoluene	ND		0.00702	1	06/21/2025 12:51	WG2543697
1,2-Dibromo-3-Chloropropane	ND		0.0351	1	06/21/2025 12:51	WG2543697
1,2-Dibromoethane	ND		0.00351	1	06/21/2025 12:51	WG2543697
Dibromomethane	ND		0.00702	1	06/21/2025 12:51	WG2543697
1,2-Dichlorobenzene	ND		0.00702	1	06/21/2025 12:51	WG2543697
1,3-Dichlorobenzene	ND		0.00702	1	06/21/2025 12:51	WG2543697
1,4-Dichlorobenzene	ND		0.00702	1	06/21/2025 12:51	WG2543697
Dichlorodifluoromethane	ND		0.00702	1	06/21/2025 12:51	WG2543697
1,1-Dichloroethane	ND		0.00351	1	06/21/2025 12:51	WG2543697
1,2-Dichloroethane	ND		0.00351	1	06/21/2025 12:51	WG2543697
1,1-Dichloroethene	ND		0.00351	1	06/21/2025 12:51	WG2543697
cis-1,2-Dichloroethene	ND		0.00351	1	06/21/2025 12:51	WG2543697
trans-1,2-Dichloroethene	ND		0.00702	1	06/21/2025 12:51	WG2543697
1,2-Dichloropropane	ND		0.00702	1	06/21/2025 12:51	WG2543697
1,1-Dichloropropene	ND		0.00351	1	06/21/2025 12:51	WG2543697
1,3-Dichloropropane	ND		0.00702	1	06/21/2025 12:51	WG2543697
cis-1,3-Dichloropropene	ND		0.00351	1	06/21/2025 12:51	WG2543697
trans-1,3-Dichloropropene	ND		0.00702	1	06/21/2025 12:51	WG2543697
2,2-Dichloropropane	ND		0.00351	1	06/21/2025 12:51	WG2543697
Di-isopropyl ether	ND		0.00140	1	06/21/2025 12:51	WG2543697
Ethylbenzene	ND		0.0140	1	06/21/2025 12:51	WG2543697
Hexachloro-1,3-butadiene	ND		0.0351	1	06/21/2025 12:51	WG2543697
Isopropylbenzene	ND		0.00351	1	06/21/2025 12:51	WG2543697
p-Isopropyltoluene	ND		0.00702	1	06/21/2025 12:51	WG2543697
2-Butanone (MEK)	ND		0.140	1	06/21/2025 12:51	WG2543697
Methylene Chloride	ND		0.0351	1	06/21/2025 12:51	WG2543697
4-Methyl-2-pentanone (MIBK)	ND		0.0351	1	06/21/2025 12:51	WG2543697
Methyl tert-butyl ether	ND		0.00140	1	06/21/2025 12:51	WG2543697
n-Propylbenzene	ND		0.00702	1	06/21/2025 12:51	WG2543697
Styrene	ND		0.0175	1	06/21/2025 12:51	WG2543697
1,1,1,2-Tetrachloroethane	ND		0.00351	1	06/21/2025 12:51	WG2543697
1,1,2,2-Tetrachloroethane	ND		0.00351	1	06/21/2025 12:51	WG2543697
1,1,2-Trichlorotrifluoroethane	ND		0.00351	1	06/21/2025 12:51	WG2543697
Tetrachloroethene	ND		0.00351	1	06/21/2025 12:51	WG2543697
Toluene	ND		0.0140	1	06/21/2025 12:51	WG2543697
1,2,3-Trichlorobenzene	ND		0.0175	1	06/21/2025 12:51	WG2543697
1,2,4-Trichlorobenzene	ND		0.0175	1	06/21/2025 12:51	WG2543697
1,1,1-Trichloroethane	ND		0.00351	1	06/21/2025 12:51	WG2543697
1,1,2-Trichloroethane	ND		0.00351	1	06/21/2025 12:51	WG2543697
Trichloroethene	ND		0.00140	1	06/21/2025 12:51	WG2543697
Trichlorofluoromethane	ND		0.00351	1	06/21/2025 12:51	WG2543697
1,2,3-Trichloropropane	ND		0.0175	1	06/21/2025 12:51	WG2543697
1,2,3-Trimethylbenzene	ND		0.00702	1	06/21/2025 12:51	WG2543697
1,2,4-Trimethylbenzene	ND		0.00702	1	06/21/2025 12:51	WG2543697
1,3,5-Trimethylbenzene	ND		0.00702	1	06/21/2025 12:51	WG2543697
Vinyl chloride	ND		0.00351	1	06/21/2025 12:51	WG2543697
Xylenes, Total	ND		0.140	1	06/21/2025 12:51	WG2543697
(S) Toluene-d8	*91.7*		*75.0-131*		*06/21/2025 12:51*	WG2543697
(S) 4-Bromofluorobenzene	*109*		*67.0-138*		*06/21/2025 12:51*	WG2543697
(S) 1,2-Dichloroethane-d4	*92.1*		*70.0-130*		*06/21/2025 12:51*	WG2543697

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	15.1		4.81	1	06/28/2025 05:51	WG2547465
C28-C36 Motor Oil Range	80.3		4.81	1	06/28/2025 05:51	WG2547465
(S) o-Terphenyl	*40.2*		*18.0-148*		*06/28/2025 05:51*	WG2547465

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		0.0400	1	07/01/2025 20:01	WG2548983
Benzidine	ND	J4	2.01	1	07/01/2025 20:01	WG2548983
Benzo(g,h,i)perylene	ND		0.0400	1	07/01/2025 20:01	WG2548983
Bis(2-chlorethoxy)methane	ND		0.400	1	07/01/2025 20:01	WG2548983
Bis(2-chloroethyl)ether	ND		0.400	1	07/01/2025 20:01	WG2548983
2,2-Oxybis(1-Chloropropane)	ND		0.400	1	07/01/2025 20:01	WG2548983
4-Bromophenyl-phenylether	ND		0.400	1	07/01/2025 20:01	WG2548983
2-Chloronaphthalene	ND		0.0400	1	07/01/2025 20:01	WG2548983
4-Chlorophenyl-phenylether	ND		0.400	1	07/01/2025 20:01	WG2548983
1,2-Dichlorobenzene	ND		0.400	1	07/01/2025 20:01	WG2548983
1,3-Dichlorobenzene	ND		0.400	1	07/01/2025 20:01	WG2548983
1,4-Dichlorobenzene	ND		0.400	1	07/01/2025 20:01	WG2548983
3,3-Dichlorobenzidine	ND		0.400	1	07/01/2025 20:01	WG2548983
2,4-Dinitrotoluene	ND		0.400	1	07/01/2025 20:01	WG2548983
2,6-Dinitrotoluene	ND		0.400	1	07/01/2025 20:01	WG2548983
Hexachlorobenzene	ND		0.400	1	07/01/2025 20:01	WG2548983
Hexachloro-1,3-butadiene	ND		0.400	1	07/01/2025 20:01	WG2548983
Hexachlorocyclopentadiene	ND	C7	0.400	1	07/01/2025 20:01	WG2548983
Hexachloroethane	ND		0.400	1	07/01/2025 20:01	WG2548983
Isophorone	ND		0.400	1	07/01/2025 20:01	WG2548983
Nitrobenzene	ND		0.400	1	07/01/2025 20:01	WG2548983
n-Nitrosodimethylamine	ND		0.400	1	07/01/2025 20:01	WG2548983
n-Nitrosodiphenylamine	ND		0.400	1	07/01/2025 20:01	WG2548983
n-Nitrosodi-n-propylamine	ND		0.400	1	07/01/2025 20:01	WG2548983
Phenanthrene	ND		0.0400	1	07/01/2025 20:01	WG2548983
Benzylbutyl phthalate	ND		0.400	1	07/01/2025 20:01	WG2548983
Bis(2-ethylhexyl)phthalate	ND		0.400	1	07/01/2025 20:01	WG2548983
Di-n-butyl phthalate	ND		0.400	1	07/01/2025 20:01	WG2548983
Diethyl phthalate	ND		0.400	1	07/01/2025 20:01	WG2548983
Dimethyl phthalate	ND		0.400	1	07/01/2025 20:01	WG2548983
Di-n-octyl phthalate	ND		0.400	1	07/01/2025 20:01	WG2548983
1,2,4-Trichlorobenzene	ND		0.400	1	07/01/2025 20:01	WG2548983
4-Chloro-3-methylphenol	ND		0.400	1	07/01/2025 20:01	WG2548983
2-Chlorophenol	ND		0.400	1	07/01/2025 20:01	WG2548983
2,4-Dichlorophenol	ND		0.400	1	07/01/2025 20:01	WG2548983
2,4-Dimethylphenol	ND		0.400	1	07/01/2025 20:01	WG2548983
4,6-Dinitro-2-methylphenol	ND		0.400	1	07/01/2025 20:01	WG2548983
2,4-Dinitrophenol	ND		0.400	1	07/01/2025 20:01	WG2548983
2-Nitrophenol	ND		0.400	1	07/01/2025 20:01	WG2548983
4-Nitrophenol	ND		0.400	1	07/01/2025 20:01	WG2548983
Pentachlorophenol	ND		0.400	1	07/01/2025 20:01	WG2548983
Phenol	ND		0.400	1	07/01/2025 20:01	WG2548983
2,4,6-Trichlorophenol	ND		0.400	1	07/01/2025 20:01	WG2548983
(S) 2-Fluorophenol	*64.5*		*12.0-120*		*07/01/2025 20:01*	WG2548983
(S) Phenol-d5	*62.9*		*10.0-120*		*07/01/2025 20:01*	WG2548983
(S) Nitrobenzene-d5	*60.8*		*10.0-122*		*07/01/2025 20:01*	WG2548983
(S) 2-Fluorobiphenyl	*55.1*		*15.0-120*		*07/01/2025 20:01*	WG2548983
(S) 2,4,6-Tribromophenol	*77.1*		*10.0-127*		*07/01/2025 20:01*	WG2548983
(S) p-Terphenyl-d14	*56.6*		*10.0-120*		*07/01/2025 20:01*	WG2548983

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		0.0396	1	07/01/2025 00:09	WG2549212
Acenaphthene	ND		0.0396	1	07/01/2025 00:09	WG2549212
Acenaphthylene	ND		0.0396	1	07/01/2025 00:09	WG2549212
Benzo(a)anthracene	0.0148		0.00721	1	07/01/2025 00:09	WG2549212
Benzo(a)pyrene	ND		0.0396	1	07/01/2025 00:09	WG2549212
Benzo(b)fluoranthene	ND		0.0396	1	07/01/2025 00:09	WG2549212
Benzo(g,h,i)perylene	ND		0.0396	1	07/01/2025 00:09	WG2549212
Benzo(k)fluoranthene	ND		0.0396	1	07/01/2025 00:09	WG2549212
Chrysene	ND		0.0396	1	07/01/2025 00:09	WG2549212
Dibenz(a,h)anthracene	ND		0.0396	1	07/01/2025 00:09	WG2549212
Fluoranthene	0.0439		0.0396	1	07/01/2025 00:09	WG2549212
Fluorene	ND		0.0396	1	07/01/2025 00:09	WG2549212
Indeno(1,2,3-cd)pyrene	ND		0.0396	1	07/01/2025 00:09	WG2549212
Naphthalene	ND		0.00360	1	07/01/2025 00:09	WG2549212
Phenanthrene	ND		0.0396	1	07/01/2025 00:09	WG2549212
Pyrene	ND		0.0396	1	07/01/2025 00:09	WG2549212
1-Methylnaphthalene	ND		0.00360	1	07/01/2025 00:09	WG2549212
2-Methylnaphthalene	ND		0.0144	1	07/01/2025 00:09	WG2549212
(S) p-Terphenyl-d14	*136*	J1	*23.0-120*		*07/01/2025 00:09*	WG2549212
(S) Nitrobenzene-d5	*127*		*14.0-149*		*07/01/2025 00:09*	WG2549212
(S) 2-Fluorobiphenyl	*114*		*34.0-125*		*07/01/2025 00:09*	WG2549212

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.826		1	06/27/2025 05:29	WG2546137

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	665		21.6	1	06/27/2025 09:31	WG2543944

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	96.4		1	06/20/2025 15:38	WG2543246

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	25.6		10.4	1	06/23/2025 18:23	WG2544514

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	650		104	5	06/27/2025 09:31	WG2547586

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	06/27/2025 17:13	WG2544394

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.79		1	06/27/2025 12:18	WG2548099

Sample Narrative:

L1871603-17 WG2548099: 7.79 at 23.2C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	593	umhos/cm		10.0	1	06/27/2025 23:40	WG2548101

Sample Narrative:

L1871603-17 WG2548101: 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	06/22/2025 04:57	WG2543944

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	3290		100	1	06/25/2025 02:33	WG2544368

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	1150		20.8	1	06/23/2025 10:30	WG2544342
Antimony	ND		2.08	1	06/23/2025 10:30	WG2544342
Beryllium	ND		0.208	1	06/23/2025 10:30	WG2544342
Calcium	998		104	1	06/23/2025 10:30	WG2544342
Chromium	1.79		1.04	1	06/23/2025 10:30	WG2544342
Cobalt	1.06		1.04	1	06/23/2025 10:30	WG2544342
Iron	2520		10.4	1	06/23/2025 10:30	WG2544342
Magnesium	525		104	1	06/23/2025 10:30	WG2544342
Manganese	56.8		1.04	1	06/23/2025 10:30	WG2544342
Potassium	632		104	1	06/23/2025 10:30	WG2544342
Sodium	ND		104	1	06/23/2025 10:30	WG2544342
Thallium	ND		2.08	1	06/23/2025 10:30	WG2544342
Vanadium	4.39		2.08	1	06/23/2025 10:30	WG2544342

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.170		0.100	1	06/27/2025 17:54	WG2548045

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	0.999		0.104	5	06/23/2025 21:50	WG2544351
Barium	19.9		10.4	5	06/23/2025 21:50	WG2544351
Cadmium	ND		0.104	5	06/23/2025 21:50	WG2544351
Copper	ND		10.4	5	06/23/2025 21:50	WG2544351
Lead	ND		10.4	5	06/23/2025 21:50	WG2544351
Nickel	ND		10.4	5	06/23/2025 21:50	WG2544351
Selenium	0.218		0.104	5	06/23/2025 21:50	WG2544351
Silver	ND		0.519	5	06/23/2025 21:50	WG2544351
Zinc	ND		51.9	5	06/23/2025 21:50	WG2544351

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	06/21/2025 07:39	WG2543114
(S) a,a,a-Trifluorotoluene(FID)	*100*		*77.0-120*		*06/21/2025 07:39*	WG2543114

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	06/21/2025 13:10	WG2543697
Acrylonitrile	ND		0.0134	1	06/21/2025 13:10	WG2543697
Benzene	ND		0.00108	1	06/21/2025 13:10	WG2543697
Bromobenzene	ND		0.0134	1	06/21/2025 13:10	WG2543697
Bromodichloromethane	ND		0.00269	1	06/21/2025 13:10	WG2543697
Bromoform	ND		0.0269	1	06/21/2025 13:10	WG2543697
Bromomethane	ND		0.0134	1	06/21/2025 13:10	WG2543697
n-Butylbenzene	ND		0.0134	1	06/21/2025 13:10	WG2543697
sec-Butylbenzene	ND		0.0134	1	06/21/2025 13:10	WG2543697
tert-Butylbenzene	ND		0.00538	1	06/21/2025 13:10	WG2543697
Carbon tetrachloride	ND		0.00538	1	06/21/2025 13:10	WG2543697
Chlorobenzene	ND		0.00269	1	06/21/2025 13:10	WG2543697
Chlorodibromomethane	ND		0.00269	1	06/21/2025 13:10	WG2543697

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	06/21/2025 13:10	WG2543697
Chloroform	ND		0.00269	1	06/21/2025 13:10	WG2543697
Chloromethane	ND		0.0134	1	06/21/2025 13:10	WG2543697
2-Chlorotoluene	ND		0.00269	1	06/21/2025 13:10	WG2543697
4-Chlorotoluene	ND		0.00538	1	06/21/2025 13:10	WG2543697
1,2-Dibromo-3-Chloropropane	ND		0.0269	1	06/21/2025 13:10	WG2543697
1,2-Dibromoethane	ND		0.00269	1	06/21/2025 13:10	WG2543697
Dibromomethane	ND		0.00538	1	06/21/2025 13:10	WG2543697
1,2-Dichlorobenzene	ND		0.00538	1	06/21/2025 13:10	WG2543697
1,3-Dichlorobenzene	ND		0.00538	1	06/21/2025 13:10	WG2543697
1,4-Dichlorobenzene	ND		0.00538	1	06/21/2025 13:10	WG2543697
Dichlorodifluoromethane	ND		0.00538	1	06/21/2025 13:10	WG2543697
1,1-Dichloroethane	ND		0.00269	1	06/21/2025 13:10	WG2543697
1,2-Dichloroethane	ND		0.00269	1	06/21/2025 13:10	WG2543697
1,1-Dichloroethene	ND		0.00269	1	06/21/2025 13:10	WG2543697
cis-1,2-Dichloroethene	ND		0.00269	1	06/21/2025 13:10	WG2543697
trans-1,2-Dichloroethene	ND		0.00538	1	06/21/2025 13:10	WG2543697
1,2-Dichloropropane	ND		0.00538	1	06/21/2025 13:10	WG2543697
1,1-Dichloropropene	ND		0.00269	1	06/21/2025 13:10	WG2543697
1,3-Dichloropropane	ND		0.00538	1	06/21/2025 13:10	WG2543697
cis-1,3-Dichloropropene	ND		0.00269	1	06/21/2025 13:10	WG2543697
trans-1,3-Dichloropropene	ND		0.00538	1	06/21/2025 13:10	WG2543697
2,2-Dichloropropane	ND		0.00269	1	06/21/2025 13:10	WG2543697
Di-isopropyl ether	ND		0.00108	1	06/21/2025 13:10	WG2543697
Ethylbenzene	ND		0.0108	1	06/21/2025 13:10	WG2543697
Hexachloro-1,3-butadiene	ND		0.0269	1	06/21/2025 13:10	WG2543697
Isopropylbenzene	ND		0.00269	1	06/21/2025 13:10	WG2543697
p-Isopropyltoluene	ND		0.00538	1	06/21/2025 13:10	WG2543697
2-Butanone (MEK)	ND		0.108	1	06/21/2025 13:10	WG2543697
Methylene Chloride	ND		0.0269	1	06/21/2025 13:10	WG2543697
4-Methyl-2-pentanone (MIBK)	ND		0.0269	1	06/21/2025 13:10	WG2543697
Methyl tert-butyl ether	ND		0.00108	1	06/21/2025 13:10	WG2543697
n-Propylbenzene	ND		0.00538	1	06/21/2025 13:10	WG2543697
Styrene	ND		0.0134	1	06/21/2025 13:10	WG2543697
1,1,1,2-Tetrachloroethane	ND		0.00269	1	06/21/2025 13:10	WG2543697
1,1,2,2-Tetrachloroethane	ND		0.00269	1	06/21/2025 13:10	WG2543697
1,1,2-Trichlorotrifluoroethane	ND		0.00269	1	06/21/2025 13:10	WG2543697
Tetrachloroethene	ND		0.00269	1	06/21/2025 13:10	WG2543697
Toluene	ND		0.0108	1	06/21/2025 13:10	WG2543697
1,2,3-Trichlorobenzene	ND		0.0134	1	06/21/2025 13:10	WG2543697
1,2,4-Trichlorobenzene	ND		0.0134	1	06/21/2025 13:10	WG2543697
1,1,1-Trichloroethane	ND		0.00269	1	06/21/2025 13:10	WG2543697
1,1,2-Trichloroethane	ND		0.00269	1	06/21/2025 13:10	WG2543697
Trichloroethene	ND		0.00108	1	06/21/2025 13:10	WG2543697
Trichlorofluoromethane	ND		0.00269	1	06/21/2025 13:10	WG2543697
1,2,3-Trichloropropane	ND		0.0134	1	06/21/2025 13:10	WG2543697
1,2,3-Trimethylbenzene	ND		0.00538	1	06/21/2025 13:10	WG2543697
1,2,4-Trimethylbenzene	ND		0.00538	1	06/21/2025 13:10	WG2543697
1,3,5-Trimethylbenzene	ND		0.00538	1	06/21/2025 13:10	WG2543697
Vinyl chloride	ND		0.00269	1	06/21/2025 13:10	WG2543697
Xylenes, Total	ND		0.108	1	06/21/2025 13:10	WG2543697
(S) Toluene-d8	*91.8*		*75.0-131*		*06/21/2025 13:10*	WG2543697
(S) 4-Bromofluorobenzene	*107*		*67.0-138*		*06/21/2025 13:10*	WG2543697
(S) 1,2-Dichloroethane-d4	*91.7*		*70.0-130*		*06/21/2025 13:10*	WG2543697

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	7.42		4.15	1	06/28/2025 05:37	WG2547465
C28-C36 Motor Oil Range	31.3		4.15	1	06/28/2025 05:37	WG2547465
(S) o-Terphenyl	*53.8*		*18.0-148*		*06/28/2025 05:37*	WG2547465

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		0.0346	1	07/01/2025 20:24	WG2548983
Benzidine	ND	J4	1.73	1	07/01/2025 20:24	WG2548983
Benzo(g,h,i)perylene	ND		0.0346	1	07/01/2025 20:24	WG2548983
Bis(2-chlorethoxy)methane	ND		0.346	1	07/01/2025 20:24	WG2548983
Bis(2-chloroethyl)ether	ND		0.346	1	07/01/2025 20:24	WG2548983
2,2-Oxybis(1-Chloropropane)	ND		0.346	1	07/01/2025 20:24	WG2548983
4-Bromophenyl-phenylether	ND		0.346	1	07/01/2025 20:24	WG2548983
2-Chloronaphthalene	ND		0.0346	1	07/01/2025 20:24	WG2548983
4-Chlorophenyl-phenylether	ND		0.346	1	07/01/2025 20:24	WG2548983
1,2-Dichlorobenzene	ND		0.346	1	07/01/2025 20:24	WG2548983
1,3-Dichlorobenzene	ND		0.346	1	07/01/2025 20:24	WG2548983
1,4-Dichlorobenzene	ND		0.346	1	07/01/2025 20:24	WG2548983
3,3-Dichlorobenzidine	ND		0.346	1	07/01/2025 20:24	WG2548983
2,4-Dinitrotoluene	ND		0.346	1	07/01/2025 20:24	WG2548983
2,6-Dinitrotoluene	ND		0.346	1	07/01/2025 20:24	WG2548983
Hexachlorobenzene	ND		0.346	1	07/01/2025 20:24	WG2548983
Hexachloro-1,3-butadiene	ND		0.346	1	07/01/2025 20:24	WG2548983
Hexachlorocyclopentadiene	ND	C7	0.346	1	07/01/2025 20:24	WG2548983
Hexachloroethane	ND		0.346	1	07/01/2025 20:24	WG2548983
Isophorone	ND		0.346	1	07/01/2025 20:24	WG2548983
Nitrobenzene	ND		0.346	1	07/01/2025 20:24	WG2548983
n-Nitrosodimethylamine	ND		0.346	1	07/01/2025 20:24	WG2548983
n-Nitrosodiphenylamine	ND		0.346	1	07/01/2025 20:24	WG2548983
n-Nitrosodi-n-propylamine	ND		0.346	1	07/01/2025 20:24	WG2548983
Phenanthrene	ND		0.0346	1	07/01/2025 20:24	WG2548983
Benzylbutyl phthalate	ND		0.346	1	07/01/2025 20:24	WG2548983
Bis(2-ethylhexyl)phthalate	ND		0.346	1	07/01/2025 20:24	WG2548983
Di-n-butyl phthalate	ND		0.346	1	07/01/2025 20:24	WG2548983
Diethyl phthalate	ND		0.346	1	07/01/2025 20:24	WG2548983
Dimethyl phthalate	ND		0.346	1	07/01/2025 20:24	WG2548983
Di-n-octyl phthalate	ND		0.346	1	07/01/2025 20:24	WG2548983
1,2,4-Trichlorobenzene	ND		0.346	1	07/01/2025 20:24	WG2548983
4-Chloro-3-methylphenol	ND		0.346	1	07/01/2025 20:24	WG2548983
2-Chlorophenol	ND		0.346	1	07/01/2025 20:24	WG2548983
2,4-Dichlorophenol	ND		0.346	1	07/01/2025 20:24	WG2548983
2,4-Dimethylphenol	ND		0.346	1	07/01/2025 20:24	WG2548983
4,6-Dinitro-2-methylphenol	ND		0.346	1	07/01/2025 20:24	WG2548983
2,4-Dinitrophenol	ND		0.346	1	07/01/2025 20:24	WG2548983
2-Nitrophenol	ND		0.346	1	07/01/2025 20:24	WG2548983
4-Nitrophenol	ND		0.346	1	07/01/2025 20:24	WG2548983
Pentachlorophenol	ND		0.346	1	07/01/2025 20:24	WG2548983
Phenol	ND		0.346	1	07/01/2025 20:24	WG2548983
2,4,6-Trichlorophenol	ND		0.346	1	07/01/2025 20:24	WG2548983
(S) 2-Fluorophenol	*70.5*		*12.0-120*		*07/01/2025 20:24*	WG2548983
(S) Phenol-d5	*70.4*		*10.0-120*		*07/01/2025 20:24*	WG2548983
(S) Nitrobenzene-d5	*69.5*		*10.0-122*		*07/01/2025 20:24*	WG2548983
(S) 2-Fluorobiphenyl	*58.9*		*15.0-120*		*07/01/2025 20:24*	WG2548983
(S) 2,4,6-Tribromophenol	*83.4*		*10.0-127*		*07/01/2025 20:24*	WG2548983
(S) p-Terphenyl-d14	*64.4*		*10.0-120*		*07/01/2025 20:24*	WG2548983

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		0.0342	1	06/27/2025 23:55	WG2547470
Acenaphthene	ND		0.0342	1	06/27/2025 23:55	WG2547470
Acenaphthylene	ND		0.0342	1	06/27/2025 23:55	WG2547470
Benzo(a)anthracene	ND		0.00623	1	06/27/2025 23:55	WG2547470
Benzo(a)pyrene	ND		0.0342	1	06/27/2025 23:55	WG2547470
Benzo(b)fluoranthene	ND		0.0342	1	06/27/2025 23:55	WG2547470
Benzo(g,h,i)perylene	ND		0.0342	1	06/27/2025 23:55	WG2547470
Benzo(k)fluoranthene	ND		0.0342	1	06/27/2025 23:55	WG2547470
Chrysene	ND		0.0342	1	06/27/2025 23:55	WG2547470
Dibenz(a,h)anthracene	ND		0.0342	1	06/27/2025 23:55	WG2547470
Fluoranthene	ND		0.0342	1	06/27/2025 23:55	WG2547470
Fluorene	ND		0.0342	1	06/27/2025 23:55	WG2547470
Indeno(1,2,3-cd)pyrene	ND		0.0342	1	06/27/2025 23:55	WG2547470
Naphthalene	ND		0.00311	1	06/27/2025 23:55	WG2547470
Phenanthrene	ND		0.0342	1	06/27/2025 23:55	WG2547470
Pyrene	ND		0.0342	1	06/27/2025 23:55	WG2547470
1-Methylnaphthalene	ND		0.00311	1	06/27/2025 23:55	WG2547470
2-Methylnaphthalene	ND		0.0125	1	06/27/2025 23:55	WG2547470
(S) p-Terphenyl-d14	*130*	J1	*23.0-120*		*06/27/2025 23:55*	WG2547470
(S) Nitrobenzene-d5	*119*		*14.0-149*		*06/27/2025 23:55*	WG2547470
(S) 2-Fluorobiphenyl	*122*		*34.0-125*		*06/27/2025 23:55*	WG2547470

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.30		1	06/27/2025 05:31	WG2546137

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	2360		22.6	1	06/27/2025 09:33	WG2543944

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.5		1	06/20/2025 15:38	WG2543246

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11.3	1	06/23/2025 18:25	WG2544514

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	2310		113	5	06/27/2025 09:33	WG2547586

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.226	1	06/27/2025 17:49	WG2544394

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.82		1	06/27/2025 12:18	WG2548099

Sample Narrative:

L1871603-18 WG2548099: 7.82 at 23.2C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	635	umhos/cm		10.0	1	06/27/2025 23:40	WG2548101

Sample Narrative:

L1871603-18 WG2548101: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	48.7		22.6	1	06/22/2025 05:11	WG2543944

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	30600		500	5	06/25/2025 02:33	WG2544368

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	6020		22.6	1	06/23/2025 10:32	WG2544342
Antimony	ND		2.26	1	06/23/2025 10:32	WG2544342
Beryllium	0.596		0.226	1	06/23/2025 10:32	WG2544342
Calcium	11700		113	1	06/23/2025 10:32	WG2544342
Chromium	7.53		1.13	1	06/23/2025 10:32	WG2544342
Cobalt	4.90		1.13	1	06/23/2025 10:32	WG2544342
Iron	8420		11.3	1	06/23/2025 10:32	WG2544342
Magnesium	3530		113	1	06/23/2025 10:32	WG2544342
Manganese	314		1.13	1	06/23/2025 10:32	WG2544342
Potassium	2500		113	1	06/23/2025 10:32	WG2544342
Sodium	204		113	1	06/23/2025 10:32	WG2544342
Thallium	ND		2.26	1	06/23/2025 10:32	WG2544342
Vanadium	14.4		2.26	1	06/23/2025 10:32	WG2544342

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.59		0.100	1	06/27/2025 17:57	WG2548045

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.27		0.113	5	06/23/2025 21:54	WG2544351
Barium	96.8		11.3	5	06/23/2025 21:54	WG2544351
Cadmium	0.388		0.113	5	06/23/2025 21:54	WG2544351
Copper	ND		11.3	5	06/23/2025 21:54	WG2544351
Lead	20.3		11.3	5	06/23/2025 21:54	WG2544351
Nickel	ND		11.3	5	06/23/2025 21:54	WG2544351
Selenium	0.667		0.113	5	06/23/2025 21:54	WG2544351
Silver	ND		0.565	5	06/23/2025 21:54	WG2544351
Zinc	83.7		56.5	5	06/23/2025 21:54	WG2544351

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		3.15	25	06/21/2025 08:01	WG2543114
(S) a,a,a-Trifluorotoluene(FID)	*99.3*		*77.0-120*		*06/21/2025 08:01*	WG2543114

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	0.0630	1	06/21/2025 13:30	WG2543697
Acrylonitrile	ND		0.0158	1	06/21/2025 13:30	WG2543697
Benzene	ND		0.00126	1	06/21/2025 13:30	WG2543697
Bromobenzene	ND		0.0158	1	06/21/2025 13:30	WG2543697
Bromodichloromethane	ND		0.00315	1	06/21/2025 13:30	WG2543697
Bromoform	ND		0.0315	1	06/21/2025 13:30	WG2543697
Bromomethane	ND		0.0158	1	06/21/2025 13:30	WG2543697
n-Butylbenzene	ND		0.0158	1	06/21/2025 13:30	WG2543697
sec-Butylbenzene	ND		0.0158	1	06/21/2025 13:30	WG2543697
tert-Butylbenzene	ND		0.00630	1	06/21/2025 13:30	WG2543697
Carbon tetrachloride	ND		0.00630	1	06/21/2025 13:30	WG2543697
Chlorobenzene	ND		0.00315	1	06/21/2025 13:30	WG2543697
Chlorodibromomethane	ND		0.00315	1	06/21/2025 13:30	WG2543697

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		0.00630	1	06/21/2025 13:30	WG2543697
Chloroform	ND		0.00315	1	06/21/2025 13:30	WG2543697
Chloromethane	ND		0.0158	1	06/21/2025 13:30	WG2543697
2-Chlorotoluene	ND		0.00315	1	06/21/2025 13:30	WG2543697
4-Chlorotoluene	ND		0.00630	1	06/21/2025 13:30	WG2543697
1,2-Dibromo-3-Chloropropane	ND		0.0315	1	06/21/2025 13:30	WG2543697
1,2-Dibromoethane	ND		0.00315	1	06/21/2025 13:30	WG2543697
Dibromomethane	ND		0.00630	1	06/21/2025 13:30	WG2543697
1,2-Dichlorobenzene	ND		0.00630	1	06/21/2025 13:30	WG2543697
1,3-Dichlorobenzene	ND		0.00630	1	06/21/2025 13:30	WG2543697
1,4-Dichlorobenzene	ND		0.00630	1	06/21/2025 13:30	WG2543697
Dichlorodifluoromethane	ND		0.00630	1	06/21/2025 13:30	WG2543697
1,1-Dichloroethane	ND		0.00315	1	06/21/2025 13:30	WG2543697
1,2-Dichloroethane	ND		0.00315	1	06/21/2025 13:30	WG2543697
1,1-Dichloroethene	ND		0.00315	1	06/21/2025 13:30	WG2543697
cis-1,2-Dichloroethene	ND		0.00315	1	06/21/2025 13:30	WG2543697
trans-1,2-Dichloroethene	ND		0.00630	1	06/21/2025 13:30	WG2543697
1,2-Dichloropropane	ND		0.00630	1	06/21/2025 13:30	WG2543697
1,1-Dichloropropene	ND		0.00315	1	06/21/2025 13:30	WG2543697
1,3-Dichloropropane	ND		0.00630	1	06/21/2025 13:30	WG2543697
cis-1,3-Dichloropropene	ND		0.00315	1	06/21/2025 13:30	WG2543697
trans-1,3-Dichloropropene	ND		0.00630	1	06/21/2025 13:30	WG2543697
2,2-Dichloropropane	ND		0.00315	1	06/21/2025 13:30	WG2543697
Di-isopropyl ether	ND		0.00126	1	06/21/2025 13:30	WG2543697
Ethylbenzene	ND		0.0126	1	06/21/2025 13:30	WG2543697
Hexachloro-1,3-butadiene	ND		0.0315	1	06/21/2025 13:30	WG2543697
Isopropylbenzene	ND		0.00315	1	06/21/2025 13:30	WG2543697
p-Isopropyltoluene	ND		0.00630	1	06/21/2025 13:30	WG2543697
2-Butanone (MEK)	ND		0.126	1	06/21/2025 13:30	WG2543697
Methylene Chloride	ND		0.0315	1	06/21/2025 13:30	WG2543697
4-Methyl-2-pentanone (MIBK)	ND		0.0315	1	06/21/2025 13:30	WG2543697
Methyl tert-butyl ether	ND		0.00126	1	06/21/2025 13:30	WG2543697
n-Propylbenzene	ND		0.00630	1	06/21/2025 13:30	WG2543697
Styrene	ND		0.0158	1	06/21/2025 13:30	WG2543697
1,1,1,2-Tetrachloroethane	ND		0.00315	1	06/21/2025 13:30	WG2543697
1,1,2,2-Tetrachloroethane	ND		0.00315	1	06/21/2025 13:30	WG2543697
1,1,2-Trichlorotrifluoroethane	ND		0.00315	1	06/21/2025 13:30	WG2543697
Tetrachloroethene	ND		0.00315	1	06/21/2025 13:30	WG2543697
Toluene	ND		0.0126	1	06/21/2025 13:30	WG2543697
1,2,3-Trichlorobenzene	ND		0.0158	1	06/21/2025 13:30	WG2543697
1,2,4-Trichlorobenzene	ND		0.0158	1	06/21/2025 13:30	WG2543697
1,1,1-Trichloroethane	ND		0.00315	1	06/21/2025 13:30	WG2543697
1,1,2-Trichloroethane	ND		0.00315	1	06/21/2025 13:30	WG2543697
Trichloroethene	ND		0.00126	1	06/21/2025 13:30	WG2543697
Trichlorofluoromethane	ND		0.00315	1	06/21/2025 13:30	WG2543697
1,2,3-Trichloropropane	ND		0.0158	1	06/21/2025 13:30	WG2543697
1,2,3-Trimethylbenzene	ND		0.00630	1	06/21/2025 13:30	WG2543697
1,2,4-Trimethylbenzene	ND		0.00630	1	06/21/2025 13:30	WG2543697
1,3,5-Trimethylbenzene	ND		0.00630	1	06/21/2025 13:30	WG2543697
Vinyl chloride	ND		0.00315	1	06/21/2025 13:30	WG2543697
Xylenes, Total	ND		0.126	1	06/21/2025 13:30	WG2543697
(S) Toluene-d8	*91.9*		*75.0-131*		*06/21/2025 13:30*	WG2543697
(S) 4-Bromofluorobenzene	*108*		*67.0-138*		*06/21/2025 13:30*	WG2543697
(S) 1,2-Dichloroethane-d4	*93.8*		*70.0-130*		*06/21/2025 13:30*	WG2543697

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	7.50		4.52	1	06/28/2025 03:44	WG2547465
C28-C36 Motor Oil Range	40.8		4.52	1	06/28/2025 03:44	WG2547465
(S) o-Terphenyl	*38.0*		*18.0-148*		*06/28/2025 03:44*	WG2547465

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		0.0376	1	07/01/2025 20:46	WG2548983
Benzidine	ND	J4	1.89	1	07/01/2025 20:46	WG2548983
Benzo(g,h,i)perylene	ND		0.0376	1	07/01/2025 20:46	WG2548983
Bis(2-chlorethoxy)methane	ND		0.376	1	07/01/2025 20:46	WG2548983
Bis(2-chloroethyl)ether	ND		0.376	1	07/01/2025 20:46	WG2548983
2,2-Oxybis(1-Chloropropane)	ND		0.376	1	07/01/2025 20:46	WG2548983
4-Bromophenyl-phenylether	ND		0.376	1	07/01/2025 20:46	WG2548983
2-Chloronaphthalene	ND		0.0376	1	07/01/2025 20:46	WG2548983
4-Chlorophenyl-phenylether	ND		0.376	1	07/01/2025 20:46	WG2548983
1,2-Dichlorobenzene	ND		0.376	1	07/01/2025 20:46	WG2548983
1,3-Dichlorobenzene	ND		0.376	1	07/01/2025 20:46	WG2548983
1,4-Dichlorobenzene	ND		0.376	1	07/01/2025 20:46	WG2548983
3,3-Dichlorobenzidine	ND		0.376	1	07/01/2025 20:46	WG2548983
2,4-Dinitrotoluene	ND		0.376	1	07/01/2025 20:46	WG2548983
2,6-Dinitrotoluene	ND		0.376	1	07/01/2025 20:46	WG2548983
Hexachlorobenzene	ND		0.376	1	07/01/2025 20:46	WG2548983
Hexachloro-1,3-butadiene	ND		0.376	1	07/01/2025 20:46	WG2548983
Hexachlorocyclopentadiene	ND	C7	0.376	1	07/01/2025 20:46	WG2548983
Hexachloroethane	ND		0.376	1	07/01/2025 20:46	WG2548983
Isophorone	ND		0.376	1	07/01/2025 20:46	WG2548983
Nitrobenzene	ND		0.376	1	07/01/2025 20:46	WG2548983
n-Nitrosodimethylamine	ND		0.376	1	07/01/2025 20:46	WG2548983
n-Nitrosodiphenylamine	ND		0.376	1	07/01/2025 20:46	WG2548983
n-Nitrosodi-n-propylamine	ND		0.376	1	07/01/2025 20:46	WG2548983
Phenanthrene	ND		0.0376	1	07/01/2025 20:46	WG2548983
Benzylbutyl phthalate	ND		0.376	1	07/01/2025 20:46	WG2548983
Bis(2-ethylhexyl)phthalate	ND		0.376	1	07/01/2025 20:46	WG2548983
Di-n-butyl phthalate	ND		0.376	1	07/01/2025 20:46	WG2548983
Diethyl phthalate	ND		0.376	1	07/01/2025 20:46	WG2548983
Dimethyl phthalate	ND		0.376	1	07/01/2025 20:46	WG2548983
Di-n-octyl phthalate	ND		0.376	1	07/01/2025 20:46	WG2548983
1,2,4-Trichlorobenzene	ND		0.376	1	07/01/2025 20:46	WG2548983
4-Chloro-3-methylphenol	ND		0.376	1	07/01/2025 20:46	WG2548983
2-Chlorophenol	ND		0.376	1	07/01/2025 20:46	WG2548983
2,4-Dichlorophenol	ND		0.376	1	07/01/2025 20:46	WG2548983
2,4-Dimethylphenol	ND		0.376	1	07/01/2025 20:46	WG2548983
4,6-Dinitro-2-methylphenol	ND		0.376	1	07/01/2025 20:46	WG2548983
2,4-Dinitrophenol	ND		0.376	1	07/01/2025 20:46	WG2548983
2-Nitrophenol	ND		0.376	1	07/01/2025 20:46	WG2548983
4-Nitrophenol	ND		0.376	1	07/01/2025 20:46	WG2548983
Pentachlorophenol	ND		0.376	1	07/01/2025 20:46	WG2548983
Phenol	ND		0.376	1	07/01/2025 20:46	WG2548983
2,4,6-Trichlorophenol	ND		0.376	1	07/01/2025 20:46	WG2548983
(S) 2-Fluorophenol	*60.8*		*12.0-120*		*07/01/2025 20:46*	WG2548983
(S) Phenol-d5	*59.3*		*10.0-120*		*07/01/2025 20:46*	WG2548983
(S) Nitrobenzene-d5	*63.3*		*10.0-122*		*07/01/2025 20:46*	WG2548983
(S) 2-Fluorobiphenyl	*52.1*		*15.0-120*		*07/01/2025 20:46*	WG2548983
(S) 2,4,6-Tribromophenol	*71.2*		*10.0-127*		*07/01/2025 20:46*	WG2548983
(S) p-Terphenyl-d14	*56.3*		*10.0-120*		*07/01/2025 20:46*	WG2548983

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		0.0373	1	06/27/2025 18:07	WG2547470
Acenaphthene	ND		0.0373	1	06/27/2025 18:07	WG2547470
Acenaphthylene	ND		0.0373	1	06/27/2025 18:07	WG2547470
Benzo(a)anthracene	0.0221		0.00678	1	06/27/2025 18:07	WG2547470
Benzo(a)pyrene	ND		0.0373	1	06/27/2025 18:07	WG2547470
Benzo(b)fluoranthene	ND		0.0373	1	06/27/2025 18:07	WG2547470
Benzo(g,h,i)perylene	ND		0.0373	1	06/27/2025 18:07	WG2547470
Benzo(k)fluoranthene	ND		0.0373	1	06/27/2025 18:07	WG2547470
Chrysene	ND		0.0373	1	06/27/2025 18:07	WG2547470
Dibenz(a,h)anthracene	ND		0.0373	1	06/27/2025 18:07	WG2547470
Fluoranthene	0.0382		0.0373	1	06/27/2025 18:07	WG2547470
Fluorene	ND		0.0373	1	06/27/2025 18:07	WG2547470
Indeno(1,2,3-cd)pyrene	ND		0.0373	1	06/27/2025 18:07	WG2547470
Naphthalene	ND		0.00339	1	06/27/2025 18:07	WG2547470
Phenanthrene	ND		0.0373	1	06/27/2025 18:07	WG2547470
Pyrene	ND		0.0373	1	06/27/2025 18:07	WG2547470
1-Methylnaphthalene	ND		0.00339	1	06/27/2025 18:07	WG2547470
2-Methylnaphthalene	ND		0.0136	1	06/27/2025 18:07	WG2547470
(S) p-Terphenyl-d14	*97.7*		*23.0-120*		*06/27/2025 18:07*	WG2547470
(S) Nitrobenzene-d5	*89.9*		*14.0-149*		*06/27/2025 18:07*	WG2547470
(S) 2-Fluorobiphenyl	*93.6*		*34.0-125*		*06/27/2025 18:07*	WG2547470

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	4.52		1	06/27/2025 05:33	WG2546137

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	190		20.6	1	06/27/2025 09:35	WG2543944

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	97.2		1	06/20/2025 15:38	WG2543246

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	06/23/2025 18:27	WG2544514

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	178		103	5	06/27/2025 09:35	WG2547586

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	06/27/2025 17:58	WG2544394

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.72		1	06/27/2025 12:18	WG2548099

Sample Narrative:

L1871603-19 WG2548099: 8.72 at 23.4C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	592	umhos/cm		10.0	1	06/27/2025 23:40	WG2548101

Sample Narrative:

L1871603-19 WG2548101: 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	06/22/2025 05:24	WG2543944

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	1190		100	1	06/25/2025 02:33	WG2544368

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	1770		20.6	1	06/23/2025 09:51	WG2544342
Antimony	ND		2.06	1	06/23/2025 09:51	WG2544342
Beryllium	ND		0.206	1	06/23/2025 09:51	WG2544342
Calcium	2960		103	1	06/23/2025 09:51	WG2544342
Chromium	2.57		1.03	1	06/23/2025 09:51	WG2544342
Cobalt	1.51		1.03	1	06/23/2025 09:51	WG2544342
Iron	3800		10.3	1	06/23/2025 09:51	WG2544342
Magnesium	1120		103	1	06/23/2025 09:51	WG2544342
Manganese	98.5		1.03	1	06/23/2025 09:51	WG2544342
Potassium	836		103	1	06/23/2025 09:51	WG2544342
Sodium	233		103	1	06/23/2025 09:51	WG2544342
Thallium	ND		2.06	1	06/23/2025 09:51	WG2544342
Vanadium	6.73		2.06	1	06/23/2025 09:51	WG2544342

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.695		0.100	1	06/27/2025 18:00	WG2548045

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.44		0.103	5	06/23/2025 22:07	WG2544351
Barium	23.9		10.3	5	06/23/2025 22:07	WG2544351
Cadmium	ND		0.103	5	06/23/2025 22:07	WG2544351
Copper	ND		10.3	5	06/23/2025 22:07	WG2544351
Lead	10.4		10.3	5	06/23/2025 22:07	WG2544351
Nickel	ND		10.3	5	06/23/2025 22:07	WG2544351
Selenium	0.189		0.103	5	06/23/2025 22:07	WG2544351
Silver	ND		0.514	5	06/23/2025 22:07	WG2544351
Zinc	ND		51.4	5	06/23/2025 22:07	WG2544351

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		2.64	25	06/21/2025 08:24	WG2543114
(S) a,a,a-Trifluorotoluene(FID)	*100*		*77.0-120*		*06/21/2025 08:24*	WG2543114

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	0.0529	1	06/21/2025 13:49	WG2543697
Acrylonitrile	ND		0.0132	1	06/21/2025 13:49	WG2543697
Benzene	ND		0.00106	1	06/21/2025 13:49	WG2543697
Bromobenzene	ND		0.0132	1	06/21/2025 13:49	WG2543697
Bromodichloromethane	ND		0.00264	1	06/21/2025 13:49	WG2543697
Bromoform	ND		0.0264	1	06/21/2025 13:49	WG2543697
Bromomethane	ND		0.0132	1	06/21/2025 13:49	WG2543697
n-Butylbenzene	ND		0.0132	1	06/21/2025 13:49	WG2543697
sec-Butylbenzene	ND		0.0132	1	06/21/2025 13:49	WG2543697
tert-Butylbenzene	ND		0.00529	1	06/21/2025 13:49	WG2543697
Carbon tetrachloride	ND		0.00529	1	06/21/2025 13:49	WG2543697
Chlorobenzene	ND		0.00264	1	06/21/2025 13:49	WG2543697
Chlorodibromomethane	ND		0.00264	1	06/21/2025 13:49	WG2543697

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		0.00529	1	06/21/2025 13:49	WG2543697
Chloroform	ND		0.00264	1	06/21/2025 13:49	WG2543697
Chloromethane	ND		0.0132	1	06/21/2025 13:49	WG2543697
2-Chlorotoluene	ND		0.00264	1	06/21/2025 13:49	WG2543697
4-Chlorotoluene	ND		0.00529	1	06/21/2025 13:49	WG2543697
1,2-Dibromo-3-Chloropropane	ND		0.0264	1	06/21/2025 13:49	WG2543697
1,2-Dibromoethane	ND		0.00264	1	06/21/2025 13:49	WG2543697
Dibromomethane	ND		0.00529	1	06/21/2025 13:49	WG2543697
1,2-Dichlorobenzene	ND		0.00529	1	06/21/2025 13:49	WG2543697
1,3-Dichlorobenzene	ND		0.00529	1	06/21/2025 13:49	WG2543697
1,4-Dichlorobenzene	ND		0.00529	1	06/21/2025 13:49	WG2543697
Dichlorodifluoromethane	ND		0.00529	1	06/21/2025 13:49	WG2543697
1,1-Dichloroethane	ND		0.00264	1	06/21/2025 13:49	WG2543697
1,2-Dichloroethane	ND		0.00264	1	06/21/2025 13:49	WG2543697
1,1-Dichloroethene	ND		0.00264	1	06/21/2025 13:49	WG2543697
cis-1,2-Dichloroethene	ND		0.00264	1	06/21/2025 13:49	WG2543697
trans-1,2-Dichloroethene	ND		0.00529	1	06/21/2025 13:49	WG2543697
1,2-Dichloropropane	ND		0.00529	1	06/21/2025 13:49	WG2543697
1,1-Dichloropropene	ND		0.00264	1	06/21/2025 13:49	WG2543697
1,3-Dichloropropane	ND		0.00529	1	06/21/2025 13:49	WG2543697
cis-1,3-Dichloropropene	ND		0.00264	1	06/21/2025 13:49	WG2543697
trans-1,3-Dichloropropene	ND		0.00529	1	06/21/2025 13:49	WG2543697
2,2-Dichloropropane	ND		0.00264	1	06/21/2025 13:49	WG2543697
Di-isopropyl ether	ND		0.00106	1	06/21/2025 13:49	WG2543697
Ethylbenzene	ND		0.0106	1	06/21/2025 13:49	WG2543697
Hexachloro-1,3-butadiene	ND		0.0264	1	06/21/2025 13:49	WG2543697
Isopropylbenzene	ND		0.00264	1	06/21/2025 13:49	WG2543697
p-Isopropyltoluene	ND		0.00529	1	06/21/2025 13:49	WG2543697
2-Butanone (MEK)	ND		0.106	1	06/21/2025 13:49	WG2543697
Methylene Chloride	ND		0.0264	1	06/21/2025 13:49	WG2543697
4-Methyl-2-pentanone (MIBK)	ND		0.0264	1	06/21/2025 13:49	WG2543697
Methyl tert-butyl ether	ND		0.00106	1	06/21/2025 13:49	WG2543697
n-Propylbenzene	ND		0.00529	1	06/21/2025 13:49	WG2543697
Styrene	ND		0.0132	1	06/21/2025 13:49	WG2543697
1,1,1,2-Tetrachloroethane	ND		0.00264	1	06/21/2025 13:49	WG2543697
1,1,2,2-Tetrachloroethane	ND		0.00264	1	06/21/2025 13:49	WG2543697
1,1,2-Trichlorotrifluoroethane	ND		0.00264	1	06/21/2025 13:49	WG2543697
Tetrachloroethene	ND		0.00264	1	06/21/2025 13:49	WG2543697
Toluene	ND		0.0106	1	06/21/2025 13:49	WG2543697
1,2,3-Trichlorobenzene	ND		0.0132	1	06/21/2025 13:49	WG2543697
1,2,4-Trichlorobenzene	ND		0.0132	1	06/21/2025 13:49	WG2543697
1,1,1-Trichloroethane	ND		0.00264	1	06/21/2025 13:49	WG2543697
1,1,2-Trichloroethane	ND		0.00264	1	06/21/2025 13:49	WG2543697
Trichloroethene	ND		0.00106	1	06/21/2025 13:49	WG2543697
Trichlorofluoromethane	ND		0.00264	1	06/21/2025 13:49	WG2543697
1,2,3-Trichloropropane	ND		0.0132	1	06/21/2025 13:49	WG2543697
1,2,3-Trimethylbenzene	ND		0.00529	1	06/21/2025 13:49	WG2543697
1,2,4-Trimethylbenzene	ND		0.00529	1	06/21/2025 13:49	WG2543697
1,3,5-Trimethylbenzene	ND		0.00529	1	06/21/2025 13:49	WG2543697
Vinyl chloride	ND		0.00264	1	06/21/2025 13:49	WG2543697
Xylenes, Total	ND		0.106	1	06/21/2025 13:49	WG2543697
(S) Toluene-d8	*92.0*		*75.0-131*		*06/21/2025 13:49*	WG2543697
(S) 4-Bromofluorobenzene	*107*		*67.0-138*		*06/21/2025 13:49*	WG2543697
(S) 1,2-Dichloroethane-d4	*90.4*		*70.0-130*		*06/21/2025 13:49*	WG2543697

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	06/28/2025 06:33	WG2547465
C28-C36 Motor Oil Range	14.9		4.12	1	06/28/2025 06:33	WG2547465
(S) o-Terphenyl	*53.5*		*18.0-148*		*06/28/2025 06:33*	WG2547465

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		0.0343	1	07/01/2025 21:09	WG2548983
Benzidine	ND	J4	1.72	1	07/01/2025 21:09	WG2548983
Benzo(g,h,i)perylene	ND		0.0343	1	07/01/2025 21:09	WG2548983
Bis(2-chlorethoxy)methane	ND		0.343	1	07/01/2025 21:09	WG2548983
Bis(2-chloroethyl)ether	ND		0.343	1	07/01/2025 21:09	WG2548983
2,2-Oxybis(1-Chloropropane)	ND		0.343	1	07/01/2025 21:09	WG2548983
4-Bromophenyl-phenylether	ND		0.343	1	07/01/2025 21:09	WG2548983
2-Chloronaphthalene	ND		0.0343	1	07/01/2025 21:09	WG2548983
4-Chlorophenyl-phenylether	ND		0.343	1	07/01/2025 21:09	WG2548983
1,2-Dichlorobenzene	ND		0.343	1	07/01/2025 21:09	WG2548983
1,3-Dichlorobenzene	ND		0.343	1	07/01/2025 21:09	WG2548983
1,4-Dichlorobenzene	ND		0.343	1	07/01/2025 21:09	WG2548983
3,3-Dichlorobenzidine	ND		0.343	1	07/01/2025 21:09	WG2548983
2,4-Dinitrotoluene	ND		0.343	1	07/01/2025 21:09	WG2548983
2,6-Dinitrotoluene	ND		0.343	1	07/01/2025 21:09	WG2548983
Hexachlorobenzene	ND		0.343	1	07/01/2025 21:09	WG2548983
Hexachloro-1,3-butadiene	ND		0.343	1	07/01/2025 21:09	WG2548983
Hexachlorocyclopentadiene	ND	C7	0.343	1	07/01/2025 21:09	WG2548983
Hexachloroethane	ND		0.343	1	07/01/2025 21:09	WG2548983
Isophorone	ND		0.343	1	07/01/2025 21:09	WG2548983
Nitrobenzene	ND		0.343	1	07/01/2025 21:09	WG2548983
n-Nitrosodimethylamine	ND		0.343	1	07/01/2025 21:09	WG2548983
n-Nitrosodiphenylamine	ND		0.343	1	07/01/2025 21:09	WG2548983
n-Nitrosodi-n-propylamine	ND		0.343	1	07/01/2025 21:09	WG2548983
Phenanthrene	ND		0.0343	1	07/01/2025 21:09	WG2548983
Benzylbutyl phthalate	ND		0.343	1	07/01/2025 21:09	WG2548983
Bis(2-ethylhexyl)phthalate	ND		0.343	1	07/01/2025 21:09	WG2548983
Di-n-butyl phthalate	ND		0.343	1	07/01/2025 21:09	WG2548983
Diethyl phthalate	ND		0.343	1	07/01/2025 21:09	WG2548983
Dimethyl phthalate	ND		0.343	1	07/01/2025 21:09	WG2548983
Di-n-octyl phthalate	ND		0.343	1	07/01/2025 21:09	WG2548983
1,2,4-Trichlorobenzene	ND		0.343	1	07/01/2025 21:09	WG2548983
4-Chloro-3-methylphenol	ND		0.343	1	07/01/2025 21:09	WG2548983
2-Chlorophenol	ND		0.343	1	07/01/2025 21:09	WG2548983
2,4-Dichlorophenol	ND		0.343	1	07/01/2025 21:09	WG2548983
2,4-Dimethylphenol	ND		0.343	1	07/01/2025 21:09	WG2548983
4,6-Dinitro-2-methylphenol	ND		0.343	1	07/01/2025 21:09	WG2548983
2,4-Dinitrophenol	ND		0.343	1	07/01/2025 21:09	WG2548983
2-Nitrophenol	ND		0.343	1	07/01/2025 21:09	WG2548983
4-Nitrophenol	ND		0.343	1	07/01/2025 21:09	WG2548983
Pentachlorophenol	ND		0.343	1	07/01/2025 21:09	WG2548983
Phenol	ND		0.343	1	07/01/2025 21:09	WG2548983
2,4,6-Trichlorophenol	ND		0.343	1	07/01/2025 21:09	WG2548983
(S) 2-Fluorophenol	*65.6*		*12.0-120*		*07/01/2025 21:09*	WG2548983
(S) Phenol-d5	*69.8*		*10.0-120*		*07/01/2025 21:09*	WG2548983
(S) Nitrobenzene-d5	*66.2*		*10.0-122*		*07/01/2025 21:09*	WG2548983
(S) 2-Fluorobiphenyl	*60.5*		*15.0-120*		*07/01/2025 21:09*	WG2548983
(S) 2,4,6-Tribromophenol	*84.1*		*10.0-127*		*07/01/2025 21:09*	WG2548983
(S) p-Terphenyl-d14	*65.0*		*10.0-120*		*07/01/2025 21:09*	WG2548983

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	06/28/2025 00:13	WG2547470
Acenaphthene	ND		0.0340	1	06/28/2025 00:13	WG2547470
Acenaphthylene	ND		0.0340	1	06/28/2025 00:13	WG2547470
Benzo(a)anthracene	ND		0.00617	1	06/28/2025 00:13	WG2547470
Benzo(a)pyrene	ND		0.0340	1	06/28/2025 00:13	WG2547470
Benzo(b)fluoranthene	ND		0.0340	1	06/28/2025 00:13	WG2547470
Benzo(g,h,i)perylene	ND		0.0340	1	06/28/2025 00:13	WG2547470
Benzo(k)fluoranthene	ND		0.0340	1	06/28/2025 00:13	WG2547470
Chrysene	ND		0.0340	1	06/28/2025 00:13	WG2547470
Dibenz(a,h)anthracene	ND		0.0340	1	06/28/2025 00:13	WG2547470
Fluoranthene	ND		0.0340	1	06/28/2025 00:13	WG2547470
Fluorene	ND		0.0340	1	06/28/2025 00:13	WG2547470
Indeno(1,2,3-cd)pyrene	ND		0.0340	1	06/28/2025 00:13	WG2547470
Naphthalene	ND		0.00309	1	06/28/2025 00:13	WG2547470
Phenanthrene	ND		0.0340	1	06/28/2025 00:13	WG2547470
Pyrene	ND		0.0340	1	06/28/2025 00:13	WG2547470
1-Methylnaphthalene	ND		0.00309	1	06/28/2025 00:13	WG2547470
2-Methylnaphthalene	ND		0.0123	1	06/28/2025 00:13	WG2547470
(S) p-Terphenyl-d14	*133*	J1	*23.0-120*		*06/28/2025 00:13*	WG2547470
(S) Nitrobenzene-d5	*125*		*14.0-149*		*06/28/2025 00:13*	WG2547470
(S) 2-Fluorobiphenyl	*124*		*34.0-125*		*06/28/2025 00:13*	WG2547470

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	06/21/2025 07:03	WG2543520
Acrolein	ND		0.0500	1	06/21/2025 07:03	WG2543520
Acrylonitrile	ND		0.0100	1	06/21/2025 07:03	WG2543520
Benzene	ND		0.00100	1	06/21/2025 07:03	WG2543520
Bromobenzene	ND		0.00100	1	06/21/2025 07:03	WG2543520
Bromodichloromethane	ND		0.00100	1	06/21/2025 07:03	WG2543520
Bromoform	ND		0.00100	1	06/21/2025 07:03	WG2543520
Bromomethane	ND		0.00500	1	06/21/2025 07:03	WG2543520
n-Butylbenzene	ND		0.00100	1	06/21/2025 07:03	WG2543520
sec-Butylbenzene	ND		0.00100	1	06/21/2025 07:03	WG2543520
tert-Butylbenzene	ND		0.00100	1	06/21/2025 07:03	WG2543520
Carbon tetrachloride	ND		0.00100	1	06/21/2025 07:03	WG2543520
Chlorobenzene	ND		0.00100	1	06/21/2025 07:03	WG2543520
Chlorodibromomethane	ND		0.00100	1	06/21/2025 07:03	WG2543520
Chloroethane	ND		0.00500	1	06/21/2025 07:03	WG2543520
Chloroform	ND		0.00500	1	06/21/2025 07:03	WG2543520
Chloromethane	ND		0.00250	1	06/21/2025 07:03	WG2543520
2-Chlorotoluene	ND		0.00100	1	06/21/2025 07:03	WG2543520
4-Chlorotoluene	ND		0.00100	1	06/21/2025 07:03	WG2543520
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	06/21/2025 07:03	WG2543520
1,2-Dibromoethane	ND		0.00100	1	06/21/2025 07:03	WG2543520
Dibromomethane	ND		0.00100	1	06/21/2025 07:03	WG2543520
1,2-Dichlorobenzene	ND		0.00100	1	06/21/2025 07:03	WG2543520
1,3-Dichlorobenzene	ND		0.00100	1	06/21/2025 07:03	WG2543520
1,4-Dichlorobenzene	ND		0.00100	1	06/21/2025 07:03	WG2543520
Dichlorodifluoromethane	ND	J3	0.00500	1	06/21/2025 07:03	WG2543520
1,1-Dichloroethane	ND		0.00100	1	06/21/2025 07:03	WG2543520
1,2-Dichloroethane	ND		0.00100	1	06/21/2025 07:03	WG2543520
1,1-Dichloroethene	ND		0.00100	1	06/21/2025 07:03	WG2543520
cis-1,2-Dichloroethene	ND		0.00100	1	06/21/2025 07:03	WG2543520
trans-1,2-Dichloroethene	ND		0.00100	1	06/21/2025 07:03	WG2543520
1,2-Dichloropropane	ND		0.00100	1	06/21/2025 07:03	WG2543520
1,1-Dichloropropene	ND		0.00100	1	06/21/2025 07:03	WG2543520
1,3-Dichloropropane	ND		0.00100	1	06/21/2025 07:03	WG2543520
cis-1,3-Dichloropropene	ND		0.00100	1	06/21/2025 07:03	WG2543520
trans-1,3-Dichloropropene	ND		0.00100	1	06/21/2025 07:03	WG2543520
2,2-Dichloropropane	ND		0.00100	1	06/21/2025 07:03	WG2543520
Di-isopropyl ether	ND		0.00100	1	06/21/2025 07:03	WG2543520
Ethylbenzene	ND		0.00100	1	06/21/2025 07:03	WG2543520
Hexachloro-1,3-butadiene	ND		0.00100	1	06/21/2025 07:03	WG2543520
Isopropylbenzene	ND		0.00100	1	06/21/2025 07:03	WG2543520
p-Isopropyltoluene	ND		0.00100	1	06/21/2025 07:03	WG2543520
2-Butanone (MEK)	ND		0.0100	1	06/21/2025 07:03	WG2543520
Methylene Chloride	ND		0.00500	1	06/21/2025 07:03	WG2543520
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	06/21/2025 07:03	WG2543520
Methyl tert-butyl ether	ND		0.00100	1	06/21/2025 07:03	WG2543520
Naphthalene	ND		0.00500	1	06/21/2025 07:03	WG2543520
n-Propylbenzene	ND		0.00100	1	06/21/2025 07:03	WG2543520
Styrene	ND		0.00100	1	06/21/2025 07:03	WG2543520
1,1,1,2-Tetrachloroethane	ND		0.00100	1	06/21/2025 07:03	WG2543520
1,1,2,2-Tetrachloroethane	ND		0.00100	1	06/21/2025 07:03	WG2543520
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	06/21/2025 07:03	WG2543520
Tetrachloroethene	ND		0.00100	1	06/21/2025 07:03	WG2543520
Toluene	ND		0.00100	1	06/21/2025 07:03	WG2543520
1,2,3-Trichlorobenzene	ND		0.00100	1	06/21/2025 07:03	WG2543520
1,2,4-Trichlorobenzene	ND		0.00100	1	06/21/2025 07:03	WG2543520

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	06/21/2025 07:03	WG2543520
1,1,2-Trichloroethane	ND		0.00100	1	06/21/2025 07:03	WG2543520
Trichloroethene	ND		0.00100	1	06/21/2025 07:03	WG2543520
Trichlorofluoromethane	ND		0.00500	1	06/21/2025 07:03	WG2543520
1,2,3-Trichloropropane	ND		0.00250	1	06/21/2025 07:03	WG2543520
1,2,4-Trimethylbenzene	ND		0.00100	1	06/21/2025 07:03	WG2543520
1,2,3-Trimethylbenzene	ND		0.00100	1	06/21/2025 07:03	WG2543520
1,3,5-Trimethylbenzene	ND		0.00100	1	06/21/2025 07:03	WG2543520
Vinyl chloride	ND		0.00100	1	06/21/2025 07:03	WG2543520
Xylenes, Total	ND		0.00300	1	06/21/2025 07:03	WG2543520
(S) Toluene-d8	*98.5*		*80.0-120*		*06/21/2025 07:03*	WG2543520
(S) 4-Bromofluorobenzene	*94.3*		*77.0-126*		*06/21/2025 07:03*	WG2543520
(S) 1,2-Dichloroethane-d4	*106*		*70.0-130*		*06/21/2025 07:03*	WG2543520

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)	0.786		0.271	0.271	0.532	0.237	06/23/2025 20:19	WG2545084
Bismuth-214 (Ra-226)	0.551		0.181	0.181	0.291	0.132	06/23/2025 20:19	WG2545084
Lead-214	0.755		0.174	0.174	0.274	0.125	06/23/2025 20:19	WG2545084
Thorium-234 (U-238)	-2.61	U	1.82	1.82	3.82	1.52	06/23/2025 20:19	WG2545084
Radium-226 (186 KeV)	0.733	U	0.894	0.894	1.70	0.794	06/23/2025 20:19	WG2545084

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)	0.970		0.250	0.250	0.369	0.152	06/23/2025 20:20	WG2545084
Bismuth-214 (Ra-226)	0.768		0.177	0.177	0.208	0.0891	06/23/2025 20:20	WG2545084
Lead-214	0.680		0.154	0.154	0.242	0.109	06/23/2025 20:20	WG2545084
Thorium-234 (U-238)	0.915	U	0.983	0.983	2.03	0.794	06/23/2025 20:20	WG2545084
Radium-226 (186 KeV)	0.845	J	0.677	0.677	1.22	0.565	06/23/2025 20:20	WG2545084

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)	0.822		0.227	0.227	0.390	0.169	06/23/2025 20:21	WG2545084
Bismuth-214 (Ra-226)	0.531		0.153	0.153	0.212	0.0949	06/23/2025 20:21	WG2545084
Lead-214	0.519		0.228	0.228	0.152	0.0676	06/23/2025 20:21	WG2545084
Thorium-234 (U-238)	0.703	U	0.679	0.679	1.49	0.593	06/23/2025 20:21	WG2545084
Radium-226 (186 KeV)	1.17		0.608	0.608	0.965	0.450	06/23/2025 20:21	WG2545084

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)	1.56		0.387	0.387	0.459	0.179	06/23/2025 20:23	WG2545084
Bismuth-214 (Ra-226)	0.982		0.251	0.251	0.288	0.122	06/23/2025 20:23	WG2545084
Lead-214	0.944		0.203	0.203	0.300	0.135	06/23/2025 20:23	WG2545084
Thorium-234 (U-238)	0.417	U	0.799	0.799	1.99	0.796	06/23/2025 20:23	WG2545084
Radium-226 (186 KeV)	1.11	J	0.997	0.997	1.68	0.785	06/23/2025 20:23	WG2545084

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)	1.30		0.247	0.247	0.330	0.144	06/23/2025 20:23	WG2545084
Bismuth-214 (Ra-226)	0.976		0.164	0.164	0.186	0.0839	06/23/2025 20:23	WG2545084
Lead-214	0.790		0.126	0.126	0.168	0.0777	06/23/2025 20:23	WG2545084
Thorium-234 (U-238)	0.739	J	0.654	0.654	1.39	0.559	06/23/2025 20:23	WG2545084
Radium-226 (186 KeV)	1.26		0.621	0.621	0.984	0.466	06/23/2025 20:23	WG2545084

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)	1.03		0.233	0.233	0.353	0.155	06/23/2025 20:59	WG2545084
Bismuth-214 (Ra-226)	0.911		0.164	0.164	0.177	0.0785	06/23/2025 20:59	WG2545084
Lead-214	1.02		0.180	0.180	0.200	0.0915	06/23/2025 20:59	WG2545084
Thorium-234 (U-238)	0.689	U	1.11	1.11	2.42	0.965	06/23/2025 20:59	WG2545084
Radium-226 (186 KeV)	1.58		0.725	0.725	1.25	0.589	06/23/2025 20:59	WG2545084

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)	0.837		0.222	0.222	0.400	0.178	06/23/2025 21:16	WG2545084
Bismuth-214 (Ra-226)	0.918		0.187	0.187	0.247	0.113	06/23/2025 21:16	WG2545084
Lead-214	1.26		0.185	0.185	0.229	0.106	06/23/2025 21:16	WG2545084
Thorium-234 (U-238)	-1.66	U	1.44	1.44	3.09	1.23	06/23/2025 21:16	WG2545084
Radium-226 (186 KeV)	0.235	U	0.784	0.784	1.52	0.715	06/23/2025 21:16	WG2545084

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)	0.808		0.274	0.274	0.475	0.202	06/23/2025 21:17	WG2545084
Bismuth-214 (Ra-226)	1.51		0.255	0.255	0.244	0.106	06/23/2025 21:17	WG2545084
Lead-214	1.28		0.203	0.203	0.261	0.118	06/23/2025 21:17	WG2545084
Thorium-234 (U-238)	1.03	U	1.14	1.14	2.29	0.897	06/23/2025 21:17	WG2545084
Radium-226 (186 KeV)	2.05		0.812	0.812	1.32	0.607	06/23/2025 21:17	WG2545084

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)	0.980		0.266	0.266	0.440	0.184	06/23/2025 21:18	WG2545084
Bismuth-214 (Ra-226)	1.06		0.224	0.224	0.244	0.107	06/23/2025 21:18	WG2545084
Lead-214	0.701		0.289	0.289	0.235	0.106	06/23/2025 21:18	WG2545084
Thorium-234 (U-238)	0.677	U	0.834	0.834	1.83	0.728	06/23/2025 21:18	WG2545084
Radium-226 (186 KeV)	1.56		0.754	0.754	1.18	0.544	06/23/2025 21:18	WG2545084

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)	1.07		0.361	0.361	0.598	0.234	06/23/2025 21:19	WG2545084
Bismuth-214 (Ra-226)	1.03		0.300	0.300	0.391	0.168	06/23/2025 21:19	WG2545084
Lead-214	0.784		0.224	0.224	0.384	0.171	06/23/2025 21:19	WG2545084
Thorium-234 (U-238)	1.04	U	0.915	0.915	2.26	0.896	06/23/2025 21:19	WG2545084
Radium-226 (186 KeV)	1.12	J	1.09	1.09	1.84	0.852	06/23/2025 21:19	WG2545084

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)	1.19		0.314	0.314	0.509	0.216	06/23/2025 21:26	WG2545084
Bismuth-214 (Ra-226)	0.672		0.238	0.238	0.375	0.170	06/23/2025 21:26	WG2545084
Lead-214	0.705		0.188	0.188	0.312	0.142	06/23/2025 21:26	WG2545084
Thorium-234 (U-238)	2.33		1.25	1.25	2.25	0.898	06/23/2025 21:26	WG2545084
Radium-226 (186 KeV)	1.38	J	0.908	0.908	1.60	0.743	06/23/2025 21:26	WG2545084

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)	1.17		0.263	0.263	0.377	0.162	06/23/2025 21:23	WG2545084
Bismuth-214 (Ra-226)	1.03		0.184	0.184	0.190	0.0834	06/23/2025 21:23	WG2545084
Lead-214	0.873		0.147	0.147	0.207	0.0949	06/23/2025 21:23	WG2545084
Thorium-234 (U-238)	1.61	J	0.874	0.874	1.61	0.644	06/23/2025 21:23	WG2545084
Radium-226 (186 KeV)	1.23		0.704	0.704	1.13	0.531	06/23/2025 21:23	WG2545084

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)	0.953		0.330	0.330	0.665	0.301	06/23/2025 21:33	WG2545084
Bismuth-214 (Ra-226)	0.791		0.209	0.209	0.301	0.137	06/23/2025 21:33	WG2545084
Lead-214	0.694		0.171	0.171	0.285	0.131	06/23/2025 21:33	WG2545084
Thorium-234 (U-238)	0.730	U	1.30	1.30	2.88	1.15	06/23/2025 21:33	WG2545084
Radium-226 (186 KeV)	1.18	J	0.910	0.910	1.54	0.721	06/23/2025 21:33	WG2545084

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)	1.09		0.242	0.242	0.393	0.175	06/23/2025 21:46	WG2545084
Bismuth-214 (Ra-226)	0.840		0.164	0.164	0.201	0.0909	06/23/2025 21:46	WG2545084
Lead-214	1.06		0.180	0.180	0.191	0.0872	06/23/2025 21:46	WG2545084
Thorium-234 (U-238)	0.762	U	1.14	1.14	2.44	0.973	06/23/2025 21:46	WG2545084
Radium-226 (186 KeV)	1.11	J	0.717	0.717	1.29	0.609	06/23/2025 21:46	WG2545084

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)	0.892		0.269	0.269	0.534	0.239	06/23/2025 22:23	WG2545084
Bismuth-214 (Ra-226)	0.566		0.166	0.166	0.246	0.110	06/23/2025 22:23	WG2545084
Lead-214	0.731		0.157	0.157	0.253	0.116	06/23/2025 22:23	WG2545084
Thorium-234 (U-238)	1.42	J	0.906	0.906	1.92	0.773	06/23/2025 22:23	WG2545084
Radium-226 (186 KeV)	1.06	J	0.739	0.739	1.31	0.616	06/23/2025 22:23	WG2545084

QUALITY CONTROL SUMMARY

L1871603-21,22,23,24,25,26,27,28,29,30,31,32,33,34,35

Method Blank (MB)

(MB) R4234944-2 06/23/25 20:40

Analyte	MB Result pCi/g	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/g	MB Lc pCi/g
Actinium-228 (Ra-228)	-0.00696	U	0.214	0.693	0.295
Americium-241	0.0537	U	0.200	0.387	0.182
Bismuth-214 (Ra-226)	0.0317	U	0.166	0.355	0.154
Cesium-137	0.0113	U	0.0777	0.162	0.0678
Cobalt-60	-0.0317	U	0.0616	0.222	0.0915
Lead-214	-0.126	U	0.121	0.315	0.138
Radium-226 (186 KeV)	0.576	U	0.757	1.42	0.641
Thorium-234 (U-238)	1.50	J	1.04	1.92	0.746

L1871603-31 Original Sample (OS) • Duplicate (DUP)

(OS) L1871603-31 06/23/25 21:26 • (DUP) R4234944-1 06/23/25 20:19

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)	1.19	0.314	0.509	0.216	1.03	0.366	0.699	0.304	14.1	0.325		20	3
Bismuth-214 (Ra-226)	0.672	0.238	0.375	0.170	0.718	0.248	0.385	0.172	6.72	0.136		20	3
Lead-214	0.705	0.188	0.312	0.142	0.969	0.231	0.346	0.156	31.5	0.885		20	3
Radium-226 (186 KeV)	1.38	0.908	1.60	0.743	1.39	1.23	2.10	0.981	0.433	0.00392	J	20	3
Thorium-234 (U-238)	2.33	1.25	2.25	0.898	0.958	1.65	3.68	1.46	83.5	0.665	U	20	3

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

(LCS) R4234944-3 06/23/25 20:41 • (LCSD) R4234944-4 06/23/25 21:16

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	36.3	37.4	98.4	101	80.0-120			2.88	20
Cesium-137	53.8	57.2	54.5	106	101	80.0-120			4.94	20
Cobalt-60	62.9	65.5	64.0	104	102	80.0-120			2.41	20

Method Blank (MB)

(MB) R4233944-1 06/20/25 15:26

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

L1871603-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1871603-13 06/20/25 15:26 • (DUP) R4233944-3 06/20/25 15:26

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	86.8	86.0	1	0.850		10

Laboratory Control Sample (LCS)

(LCS) R4233944-2 06/20/25 15:26

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

Method Blank (MB)

(MB) R4233945-1 06/20/25 15:38

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

L1871632-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1871632-06 06/20/25 15:38 • (DUP) R4233945-3 06/20/25 15:38

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	86.4	84.8	1	1.86		10

Laboratory Control Sample (LCS)

(LCS) R4233945-2 06/20/25 15:38

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

Method Blank (MB)

(MB) R4236259-1 06/25/25 15:00

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

L1871573-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1871573-11 06/25/25 15:09 • (DUP) R4236259-5 06/25/25 15:11

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

L1871573-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1871573-16 06/25/25 15:19 • (DUP) R4236259-6 06/25/25 15:21

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

Laboratory Control Sample (LCS)

(LCS) R4236259-2 06/25/25 15:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	250	227	90.8	90.0-110	

L1871573-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871573-09 06/25/25 15:04 • (MS) R4236259-3 06/25/25 15:06 • (MSD) R4236259-4 06/25/25 15:08

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 %
Ammonia Nitrogen	276	ND	253	246	91.9	89.4	1	90.0-110		J6	2.80	20

QUALITY CONTROL SUMMARY

L1871603-10,11,13,14,16,17,18,19

Method Blank (MB)

(MB) R4234887-1 06/23/25 18:06

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

L1871611-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1871611-01 06/23/25 18:29 • (DUP) R4234887-5 06/23/25 18:31

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

L1871611-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1871611-02 06/23/25 18:33 • (DUP) R4234887-6 06/23/25 18:35

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

Laboratory Control Sample (LCS)

(LCS) R4234887-2 06/23/25 18:08

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	250	246	98.6	90.0-110	

L1871603-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871603-13 06/23/25 18:14 • (MS) R4234887-3 06/23/25 18:16 • (MSD) R4234887-4 06/23/25 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 %
Ammonia Nitrogen	288	ND	270	293	93.8	102	1	90.0-110			8.03	20

QUALITY CONTROL SUMMARY

L1871603-01,02,03,05,06,07,09,10,11,13,14

Method Blank (MB)

(MB) R4237185-1 06/27/25 10:30

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Kjeldahl Nitrogen, TKN	U		15.2	20.0

Laboratory Control Sample (LCS)

(LCS) R4237185-2 06/27/25 10:32

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Kjeldahl Nitrogen, TKN	624	629	101	81.7-124	

L1871573-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871573-16 06/27/25 10:36 • (MS) R4237185-3 06/27/25 10:38 • (MSD) R4237185-4 06/27/25 10:40

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 %
Kjeldahl Nitrogen, TKN	491	2570	2690	2670	25.8	20.9	1	81.7-124	E V	E V	0.891	20

L1871603-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871603-13 06/27/25 11:16 • (MS) R4237185-5 06/27/25 11:18 • (MSD) R4237185-6 06/27/25 11:20

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 %
Kjeldahl Nitrogen, TKN	461	2100	2220	2110	25.6	2.21	1	81.7-124	E V	E V	4.99	20

Method Blank (MB)

(MB) R4237184-1 06/27/25 09:26

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Kjeldahl Nitrogen, TKN	U		15.2	20.0

Laboratory Control Sample (LCS)

(LCS) R4237184-2 06/27/25 09:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Kjeldahl Nitrogen, TKN	624	666	107	81.7-124	

L1871611-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871611-02 06/27/25 09:39 • (MS) R4237184-3 06/27/25 09:41 • (MSD) R4237184-4 06/27/25 09:43

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 %
Kjeldahl Nitrogen, TKN	434	942	1180	1100	53.9	36.6	1	81.7-124	E J6	E J6	6.57	20

L1871611-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871611-11 06/27/25 10:00 • (MS) R4237184-5 06/27/25 10:02 • (MSD) R4237184-6 06/27/25 10:04

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 %
Kjeldahl Nitrogen, TKN	430	660	722	773	14.2	26.1	1	81.7-124	J6	J6	6.85	20

QUALITY CONTROL SUMMARY

L1871603-01,02,03,05,06,07,09,10,11,13,14,16,17,18,19

Method Blank (MB)

(MB) R4237771-1 06/27/25 14:05

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

L1871603-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1871603-05 06/27/25 14:49 • (DUP) R4237771-3 06/27/25 14:58

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

L1871603-17 Original Sample (OS) • Duplicate (DUP)

(OS) L1871603-17 06/27/25 17:13 • (DUP) R4237771-8 06/27/25 17:40

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

Laboratory Control Sample (LCS)

(LCS) R4237771-2 06/27/25 14:13

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexavalent Chromium	10.0	9.19	91.9	80.0-120	

L1871603-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871603-13 06/27/25 16:10 • (MS) R4237771-4 06/27/25 16:19 • (MSD) R4237771-5 06/27/25 16:28

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 %
Hexavalent Chromium	23.0	ND	12.6	4.12	54.5	17.9	1	75.0-125	J6	J3 J6	101	20

L1871632-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871632-06 06/27/25 18:43 • (MS) R4237771-9 06/27/25 18:52 • (MSD) R4237771-10 06/27/25 19:01

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 %
Hexavalent Chromium	23.1	ND	17.7	17.4	76.6	75.2	1	75.0-125			1.95	20

L1871603-13 Original Sample (OS) • Matrix Spike (MS)

(OS) L1871603-13 06/27/25 16:10 • (MS) R4237771-6 06/27/25 16:37

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	729	ND	473	64.9	50	75.0-125	J6

L1871632-06 Original Sample (OS) • Matrix Spike (MS)

(OS) L1871632-06 06/27/25 18:43 • (MS) R4237771-12 06/28/25 16:34

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	759	ND	ND	0.000	50	75.0-125	J6

L1871603-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1871603-02 06/27/25 12:18 • (DUP) R4237316-2 06/27/25 12:18

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.15	8.15	1	0.000		1

Sample Narrative:

OS: 8.15 at 23.9C

DUP: 8.15 at 24.2C

L1871611-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1871611-07 06/27/25 12:18 • (DUP) R4237316-3 06/27/25 12:18

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.09	8.09	1	0.000		1

Sample Narrative:

OS: 8.09 at 22.9C

DUP: 8.09 at 22.8C

Laboratory Control Sample (LCS)

(LCS) R4237316-1 06/27/25 12:18

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

Sample Narrative:

LCS: 10 at 23.8C

L1871603-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1871603-01 06/28/25 09:03 • (DUP) R4237650-2 06/28/25 09:03

Analyte	Original Result su	DUP Result su	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
pH	7.49	7.49	1	0.000		1

Sample Narrative:
OS: 7.49 at 21.3C
DUP: 7.49 at 21.5C

L1872033-24 Original Sample (OS) • Duplicate (DUP)

(OS) L1872033-24 06/28/25 09:03 • (DUP) R4237650-3 06/28/25 09:03

Analyte	Original Result su	DUP Result su	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
pH	7.73	7.76	1	0.387		1

Sample Narrative:
OS: 7.73 at 21C
DUP: 7.76 at 20.9C

Laboratory Control Sample (LCS)

(LCS) R4237650-1 06/28/25 09:03

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

Sample Narrative:
LCS: 10.04 at 21C

Method Blank (MB)

(MB) R4237547-1 06/27/25 23:40

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

L1871603-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1871603-03 06/27/25 23:40 • (DUP) R4237547-3 06/27/25 23:40

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	246	247	1	0.203		20

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

L1871611-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1871611-06 06/27/25 23:40 • (DUP) R4237547-4 06/27/25 23:40

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	338	338	1	0.000		20

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

Laboratory Control Sample (LCS)

(LCS) R4237547-2 06/27/25 23:40

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

Method Blank (MB)

(MB) R4238484-1 06/30/25 17:13

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

L1871745-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1871745-10 06/30/25 17:13 • (DUP) R4238484-3 06/30/25 17:13

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	131	133	1	1.89		20

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

L1872033-23 Original Sample (OS) • Duplicate (DUP)

(OS) L1872033-23 06/30/25 17:13 • (DUP) R4238484-4 06/30/25 17:13

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	158	158	1	0.000		20

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

Laboratory Control Sample (LCS)

(LCS) R4238484-2 06/30/25 17:13

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	581	568	97.8	90.0-110	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4234386-1 06/22/25 00:49

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Nitrate-Nitrite	0.724	J	0.606	20.0

Laboratory Control Sample (LCS)

(LCS) R4234386-2 06/22/25 01:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	40.0	34.8	87.0	80.0-120	

Method Blank (MB)

(MB) R4235020-1 06/24/25 05:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Nitrate-Nitrite	U		0.606	20.0

Laboratory Control Sample (LCS)

(LCS) R4235020-2 06/24/25 05:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	40.0	44.5	111	80.0-120	

L1871603-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871603-13 06/24/25 06:06 • (MS) R4235020-3 06/24/25 06:18 • (MSD) R4235020-4 06/24/25 06:31

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	46.1	35.9	85.5	88.5	108	114	1	80.0-120			3.43	15

Method Blank (MB)

(MB) R4235639-1 06/25/25 02:29

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TOC By Walkley Black	U		25.5	100

L1871603-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1871603-05 06/25/25 02:30 • (DUP) R4235639-3 06/25/25 02:30

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC By Walkley Black	4490	4700	1	4.59		20

L1871603-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1871603-09 06/25/25 02:31 • (DUP) R4235639-4 06/25/25 02:31

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC By Walkley Black	35100	36600	5	4.28		20

Laboratory Control Sample (LCS)

(LCS) R4235639-2 06/25/25 02:29

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC By Walkley Black	3230	4210	130	75.0-144	

L1871603-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871603-13 06/25/25 02:31 • (MS) R4235639-5 06/25/25 02:32 • (MSD) R4235639-6 06/25/25 02:32

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC By Walkley Black	20000	21000	39900	39100	94.5	90.6	5	80.0-120			1.95	20

Method Blank (MB)

(MB) R4234690-1 06/23/25 09:56

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) R4234690-2 06/23/25 09:58

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	1000	962	96.2	80.0-120	
Antimony	100	96.1	96.1	80.0-120	
Beryllium	100	101	101	80.0-120	
Calcium	1000	1000	100	80.0-120	
Chromium	100	101	101	80.0-120	
Cobalt	100	93.8	93.8	80.0-120	
Iron	1000	1000	100	80.0-120	
Magnesium	1000	971	97.1	80.0-120	
Manganese	100	102	102	80.0-120	
Potassium	1000	989	98.9	80.0-120	
Sodium	1000	1000	100	80.0-120	
Thallium	100	101	101	80.0-120	
Vanadium	100	98.0	98.0	80.0-120	

L1871603-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871603-13 06/23/25 10:00 • (MS) R4234690-5 06/23/25 10:05 • (MSD) R4234690-6 06/23/25 10:06

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 %
Aluminum	1150	5780	5930	6130	12.4	30.4	1	75.0-125	V	V	3.44	20
Antimony	115	ND	72.4	69.9	62.8	60.7	1	75.0-125	J6	J6	3.52	20
Beryllium	115	0.569	111	108	95.8	92.9	1	75.0-125			3.06	20
Calcium	1150	10800	12000	11800	98.0	85.5	1	75.0-125			1.22	20
Chromium	115	7.36	113	111	92.0	90.2	1	75.0-125			1.87	20
Cobalt	115	4.62	111	109	91.9	90.2	1	75.0-125			1.87	20
Iron	1150	8550	8030	7690	0.000	0.000	1	75.0-125	V	V	4.43	20
Magnesium	1150	3210	4040	4010	72.6	69.6	1	75.0-125	J6	J6	0.856	20
Manganese	115	305	409	401	90.2	83.2	1	75.0-125			1.99	20
Potassium	1150	2790	3510	3520	62.6	63.3	1	75.0-125	J6	J6	0.234	20
Sodium	1150	210	1280	1250	93.1	89.9	1	75.0-125			2.98	20
Thallium	115	ND	58.8	60.6	51.0	52.6	1	75.0-125	J6	J6	2.97	20
Vanadium	115	15.2	118	115	89.5	86.5	1	75.0-125			3.00	20

Method Blank (MB)

(MB) R4237226-1 06/26/25 15:00

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Hot Water Sol. Boron	U		0.0199	0.100

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

(LCS) R4237226-2 06/26/25 15:03 • (LCSD) R4237226-3 06/26/25 15:06

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	0.976	0.984	97.6	98.4	80.0-120			0.818	20

Method Blank (MB)

(MB) R4237433-1 06/27/25 16:17

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Hot Water Sol. Boron	U		0.0199	0.100

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

(LCS) R4237433-2 06/27/25 16:20 • (LCSD) R4237433-3 06/27/25 16:23

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	0.992	1.01	99.2	101	80.0-120			1.64	20

Method Blank (MB)

(MB) R4234874-1 06/23/25 20:43

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) R4234874-2 06/23/25 20:46

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	92.6	92.6	80.0-120	
Barium	100	88.4	88.4	80.0-120	
Cadmium	100	105	105	80.0-120	
Copper	100	104	104	80.0-120	
Lead	100	88.1	88.1	80.0-120	
Nickel	100	103	103	80.0-120	
Selenium	100	96.3	96.3	80.0-120	
Silver	20.0	19.1	95.7	80.0-120	
Zinc	100	96.1	96.1	80.0-120	

L1871603-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871603-13 06/23/25 20:49 • (MS) R4234874-5 06/23/25 20:59 • (MSD) R4234874-6 06/23/25 21:03

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	115	3.44	101	104	84.5	87.1	5	75.0-125			2.96	20
Barium	115	93.5	185	188	79.2	82.0	5	75.0-125			1.73	20
Cadmium	115	0.390	115	116	99.7	100	5	75.0-125			0.407	20
Copper	115	13.4	124	127	95.8	98.8	5	75.0-125			2.79	20
Lead	115	22.0	119	116	84.1	81.9	5	75.0-125			2.12	20
Nickel	115	ND	121	122	105	106	5	75.0-125			1.08	20
Selenium	115	0.599	97.8	102	84.3	87.6	5	75.0-125			3.84	20
Silver	23.0	ND	21.2	21.4	92.1	92.7	5	75.0-125			0.700	20

L1871603-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871603-13 06/23/25 20:49 • (MS) R4234874-5 06/23/25 20:59 • (MSD) R4234874-6 06/23/25 21:03

Analyte	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
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Zinc	115	65.9	164	167	84.8	87.6	5	75.0-125			1.92	20

Method Blank (MB)

(MB) R4234039-3 06/21/25 00:24

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)	*99.9*			*77.0-120*

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

(LCS) R4234039-1 06/20/25 22:54 • (LCSD) R4234039-2 06/20/25 23:16

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.00	5.50	5.01	110	100	72.0-127			9.32	20
(S) a,a,a-Trifluorotoluene(FID)				*102*	*103*	*77.0-120*				

L1871603-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871603-13 06/21/25 06:32 • (MS) R4234039-4 06/21/25 09:09 • (MSD) R4234039-5 06/21/25 09:31

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	163	ND	159	155	97.6	95.2	25	10.0-151			2.49	28
(S) a,a,a-Trifluorotoluene(FID)					*102*	*102*		*77.0-120*				

Method Blank (MB)

(MB) R4234022-2 06/21/25 00:18

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)	*97.9*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4234022-1 06/20/25 23:13

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	5.05	101	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*110*	*77.0-120*	

L1871611-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871611-11 06/21/25 06:18 • (MS) R4234022-3 06/21/25 09:35 • (MSD) R4234022-4 06/21/25 09:59

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 %
TPH (GC/FID) Low Fraction	144	ND	134	130	92.8	90.4	25	10.0-151			2.62	28
(S) a,a,a-Trifluorotoluene(FID)					*108*	*108*		*77.0-120*				

Method Blank (MB)

(MB) R4234169-3 06/22/25 00:33

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)	*97.6*			*77.0-120*

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

(LCS) R4234169-1 06/21/25 22:58 • (LCSD) R4234169-2 06/21/25 23:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.00	4.89	4.71	97.8	94.2	72.0-127			3.75	20
(S) a,a,a-Trifluorotoluene(FID)				*107*	*107*	*77.0-120*				

Method Blank (MB)

(MB) R4234006-3 06/21/25 02:53

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	0.169		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

Method Blank (MB)

(MB) R4234006-3 06/21/25 02:53

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	*104*			*75.0-131*
(S) 4-Bromofluorobenzene	*99.6*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*84.4*			*70.0-130*

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

(LCS) R4234006-1 06/21/25 01:20 • (LCSD) R4234006-2 06/21/25 01:38

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	0.463	0.341	74.1	54.6	10.0-160			30.3	31
Acrylonitrile	0.625	0.840	0.768	134	123	45.0-153			8.96	22
Benzene	0.125	0.128	0.126	102	101	70.0-123			1.57	20
Bromobenzene	0.125	0.136	0.128	109	102	73.0-121			6.06	20
Bromodichloromethane	0.125	0.123	0.119	98.4	95.2	73.0-121			3.31	20
Bromoform	0.125	0.115	0.108	92.0	86.4	64.0-132			6.28	20

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

(LCS) R4234006-1 06/21/25 01:20 • (LCSD) R4234006-2 06/21/25 01:38

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 %
Bromomethane	0.125	0.102	0.0944	81.6	75.5	56.0-147			7.74	20
n-Butylbenzene	0.125	0.129	0.128	103	102	68.0-135			0.778	20
sec-Butylbenzene	0.125	0.135	0.135	108	108	74.0-130			0.000	20
tert-Butylbenzene	0.125	0.140	0.136	112	109	75.0-127			2.90	20
Carbon tetrachloride	0.125	0.127	0.123	102	98.4	66.0-128			3.20	20
Chlorobenzene	0.125	0.132	0.129	106	103	76.0-128			2.30	20
Chlorodibromomethane	0.125	0.128	0.124	102	99.2	74.0-127			3.17	20
Chloroethane	0.125	0.132	0.121	106	96.8	61.0-134			8.70	20
Chloroform	0.125	0.131	0.122	105	97.6	72.0-123			7.11	20
Chloromethane	0.125	0.146	0.138	117	110	51.0-138			5.63	20
2-Chlorotoluene	0.125	0.142	0.140	114	112	75.0-124			1.42	20
4-Chlorotoluene	0.125	0.138	0.133	110	106	75.0-124			3.69	20
1,2-Dibromo-3-Chloropropane	0.125	0.103	0.0981	82.4	78.5	59.0-130			4.87	20
1,2-Dibromoethane	0.125	0.137	0.131	110	105	74.0-128			4.48	20
Dibromomethane	0.125	0.128	0.125	102	100	75.0-122			2.37	20
1,2-Dichlorobenzene	0.125	0.138	0.134	110	107	76.0-124			2.94	20
1,3-Dichlorobenzene	0.125	0.137	0.132	110	106	76.0-125			3.72	20
1,4-Dichlorobenzene	0.125	0.133	0.129	106	103	77.0-121			3.05	20
Dichlorodifluoromethane	0.125	0.123	0.116	98.4	92.8	43.0-156			5.86	20
1,1-Dichloroethane	0.125	0.131	0.121	105	96.8	70.0-127			7.94	20
1,2-Dichloroethane	0.125	0.131	0.130	105	104	65.0-131			0.766	20
1,1-Dichloroethene	0.125	0.131	0.127	105	102	65.0-131			3.10	20
cis-1,2-Dichloroethene	0.125	0.130	0.124	104	99.2	73.0-125			4.72	20
trans-1,2-Dichloroethene	0.125	0.133	0.125	106	100	71.0-125			6.20	20
1,2-Dichloropropane	0.125	0.131	0.125	105	100	74.0-125			4.69	20
1,1-Dichloropropene	0.125	0.125	0.123	100	98.4	73.0-125			1.61	20
1,3-Dichloropropane	0.125	0.130	0.126	104	101	80.0-125			3.12	20
cis-1,3-Dichloropropene	0.125	0.127	0.121	102	96.8	76.0-127			4.84	20
trans-1,3-Dichloropropene	0.125	0.130	0.131	104	105	73.0-127			0.766	20
2,2-Dichloropropane	0.125	0.130	0.129	104	103	59.0-135			0.772	20
Di-isopropyl ether	0.125	0.141	0.136	113	109	60.0-136			3.61	20
Ethylbenzene	0.125	0.144	0.143	115	114	74.0-126			0.697	20
Hexachloro-1,3-butadiene	0.125	0.0951	0.104	76.1	83.2	57.0-150			8.94	20
Isopropylbenzene	0.125	0.139	0.135	111	108	72.0-127			2.92	20
p-Isopropyltoluene	0.125	0.141	0.140	113	112	72.0-133			0.712	20
2-Butanone (MEK)	0.625	0.835	0.710	134	114	30.0-160			16.2	24
Methylene Chloride	0.125	0.123	0.119	98.4	95.2	68.0-123			3.31	20
4-Methyl-2-pentanone (MIBK)	0.625	0.819	0.777	131	124	56.0-143			5.26	20
Methyl tert-butyl ether	0.125	0.131	0.121	105	96.8	66.0-132			7.94	20
n-Propylbenzene	0.125	0.133	0.130	106	104	74.0-126			2.28	20

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

(LCS) R4234006-1 06/21/25 01:20 • (LCSD) R4234006-2 06/21/25 01:38

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	0.140	0.135	112	108	72.0-127			3.64	20
1,1,1,2-Tetrachloroethane	0.125	0.138	0.136	110	109	74.0-129			1.46	20
1,1,2,2-Tetrachloroethane	0.125	0.126	0.126	101	101	68.0-128			0.000	20
1,1,2-Trichlorotrifluoroethane	0.125	0.134	0.125	107	100	61.0-139			6.95	20
Tetrachloroethene	0.125	0.138	0.138	110	110	70.0-136			0.000	20
Toluene	0.125	0.132	0.129	106	103	75.0-121			2.30	20
1,2,3-Trichlorobenzene	0.125	0.0918	0.0989	73.4	79.1	59.0-139			7.45	20
1,2,4-Trichlorobenzene	0.125	0.117	0.120	93.6	96.0	62.0-137			2.53	20
1,1,1-Trichloroethane	0.125	0.130	0.128	104	102	69.0-126			1.55	20
1,1,2-Trichloroethane	0.125	0.134	0.132	107	106	78.0-123			1.50	20
Trichloroethene	0.125	0.145	0.137	116	110	76.0-126			5.67	20
Trichlorofluoromethane	0.125	0.117	0.115	93.6	92.0	61.0-142			1.72	20
1,2,3-Trichloropropane	0.125	0.129	0.126	103	101	67.0-129			2.35	20
1,2,3-Trimethylbenzene	0.125	0.129	0.128	103	102	74.0-124			0.778	20
1,2,4-Trimethylbenzene	0.125	0.135	0.138	108	110	70.0-126			2.20	20
1,3,5-Trimethylbenzene	0.125	0.132	0.132	106	106	73.0-127			0.000	20
Vinyl chloride	0.125	0.122	0.117	97.6	93.6	63.0-134			4.18	20
Xylenes, Total	0.375	0.426	0.412	114	110	72.0-127			3.34	20
(S) Toluene-d8				*103*	*103*	*75.0-131*				
(S) 4-Bromofluorobenzene				*103*	*100*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*93.3*	*88.3*	*70.0-130*				

L1871603-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871603-02 06/21/25 06:20 • (MS) R4234006-4 06/21/25 09:27 • (MSD) R4234006-5 06/21/25 09:46

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	0.723	ND	0.221	0.163	30.6	22.6	1	10.0-160			30.1	40
Acrylonitrile	0.723	ND	0.745	0.535	103	74.1	1	10.0-160			32.7	40
Benzene	0.145	ND	0.124	0.0929	85.6	64.2	1	10.0-149			28.5	37
Bromobenzene	0.145	ND	0.117	0.0857	80.8	59.3	1	10.0-156			30.7	38
Bromodichloromethane	0.145	ND	0.113	0.0844	78.0	58.4	1	10.0-143			28.7	37
Bromoform	0.145	ND	0.0949	0.0680	65.7	47.0	1	10.0-146			33.1	36
Bromomethane	0.145	ND	0.0468	0.0375	32.4	25.9	1	10.0-149			22.2	38
n-Butylbenzene	0.145	ND	0.104	0.0784	72.2	54.2	1	10.0-160			28.4	40
sec-Butylbenzene	0.145	ND	0.118	0.0886	81.6	61.3	1	10.0-159			28.4	39
tert-Butylbenzene	0.145	ND	0.123	0.0933	84.8	64.6	1	10.0-156			27.1	39
Carbon tetrachloride	0.145	ND	0.119	0.0870	82.4	60.2	1	10.0-145			31.2	37
Chlorobenzene	0.145	ND	0.123	0.0911	84.8	63.0	1	10.0-152			29.4	39

L1871603-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871603-02 06/21/25 06:20 • (MS) R4234006-4 06/21/25 09:27 • (MSD) R4234006-5 06/21/25 09:46

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	0.145	ND	0.113	0.0826	78.2	57.1	1	10.0-146			31.1	37
Chloroethane	0.145	ND	0.0638	0.0493	44.2	34.1	1	10.0-146			25.8	40
Chloroform	0.145	ND	0.125	0.0940	86.4	65.0	1	10.0-146			28.2	37
Chloromethane	0.145	ND	0.116	0.0872	80.0	60.3	1	10.0-159			28.1	37
2-Chlorotoluene	0.145	ND	0.121	0.0908	84.0	62.8	1	10.0-159			28.9	38
4-Chlorotoluene	0.145	ND	0.118	0.0863	81.6	59.7	1	10.0-155			31.0	39
1,2-Dibromo-3-Chloropropane	0.145	ND	0.0852	0.0614	59.0	42.5	1	10.0-151			32.5	39
1,2-Dibromoethane	0.145	ND	0.119	0.0903	82.4	62.5	1	10.0-148			27.5	34
Dibromomethane	0.145	ND	0.112	0.0856	77.8	59.2	1	10.0-147			27.1	35
1,2-Dichlorobenzene	0.145	ND	0.123	0.0885	84.8	61.2	1	10.0-155			32.3	37
1,3-Dichlorobenzene	0.145	ND	0.115	0.0848	79.4	58.6	1	10.0-153			30.0	38
1,4-Dichlorobenzene	0.145	ND	0.116	0.0832	79.9	57.5	1	10.0-151			32.6	38
Dichlorodifluoromethane	0.145	ND	0.0741	0.0487	51.3	33.7	1	10.0-160		J3	41.4	35
1,1-Dichloroethane	0.145	ND	0.120	0.0917	83.2	63.4	1	10.0-147			27.0	37
1,2-Dichloroethane	0.145	ND	0.123	0.0984	84.8	68.1	1	10.0-148			21.9	35
1,1-Dichloroethene	0.145	ND	0.119	0.0887	82.4	61.4	1	10.0-155			29.3	37
cis-1,2-Dichloroethene	0.145	ND	0.117	0.0921	80.8	63.7	1	10.0-149			23.7	37
trans-1,2-Dichloroethene	0.145	ND	0.120	0.0902	83.2	62.4	1	10.0-150			28.6	37
1,2-Dichloropropane	0.145	ND	0.126	0.0947	87.2	65.5	1	10.0-148			28.4	37
1,1-Dichloropropene	0.145	ND	0.108	0.0842	75.0	58.2	1	10.0-153			25.1	35
1,3-Dichloropropane	0.145	ND	0.126	0.0902	87.2	62.4	1	10.0-154			33.2	35
cis-1,3-Dichloropropene	0.145	ND	0.113	0.0864	78.4	59.8	1	10.0-151			27.0	37
trans-1,3-Dichloropropene	0.145	ND	0.124	0.0895	85.6	61.9	1	10.0-148			32.1	37
2,2-Dichloropropane	0.145	ND	0.0887	0.0664	61.4	45.9	1	10.0-138			28.8	36
Di-isopropyl ether	0.145	ND	0.134	0.100	92.8	69.3	1	10.0-147			29.0	36
Ethylbenzene	0.145	ND	0.132	0.0959	91.2	66.3	1	10.0-160			31.6	38
Hexachloro-1,3-butadiene	0.145	ND	0.0933	0.0736	64.6	50.9	1	10.0-160			23.7	40
Isopropylbenzene	0.145	ND	0.124	0.0918	85.6	63.5	1	10.0-155			29.6	38
p-Isopropyltoluene	0.145	ND	0.120	0.0866	83.2	59.9	1	10.0-160			32.5	40
2-Butanone (MEK)	0.723	ND	0.465	0.318	64.3	44.0	1	10.0-160			37.5	40
Methylene Chloride	0.145	ND	0.118	0.0925	81.6	64.0	1	10.0-141			24.2	37
4-Methyl-2-pentanone (MIBK)	0.723	ND	0.681	0.496	94.2	68.6	1	10.0-160			31.4	35
Methyl tert-butyl ether	0.145	ND	0.102	0.0863	70.6	59.7	1	11.0-147			16.8	35
n-Propylbenzene	0.145	ND	0.112	0.0819	77.8	56.6	1	10.0-158			31.4	38
Styrene	0.145	ND	0.126	0.0915	87.2	63.3	1	10.0-160			31.8	40
1,1,1,2-Tetrachloroethane	0.145	ND	0.133	0.0941	92.0	65.1	1	10.0-149			34.2	39
1,1,2,2-Tetrachloroethane	0.145	ND	0.116	0.0867	80.0	60.0	1	10.0-160			28.6	35
1,1,2-Trichlorotrifluoroethane	0.145	ND	0.0912	0.0643	63.1	44.5	1	10.0-160			34.6	36
Tetrachloroethene	0.145	ND	0.116	0.0855	79.9	59.1	1	10.0-156			29.9	39

L1871603-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871603-02 06/21/25 06:20 • (MS) R4234006-4 06/21/25 09:27 • (MSD) R4234006-5 06/21/25 09:46

Analyte	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
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Toluene	0.145	ND	0.125	0.0961	86.4	66.5	1	10.0-156			26.1	38
1,2,3-Trichlorobenzene	0.145	ND	0.0990	0.0762	68.5	52.7	1	10.0-160			26.0	40
1,2,4-Trichlorobenzene	0.145	ND	0.113	0.0850	77.8	58.8	1	10.0-160			27.9	40
1,1,1-Trichloroethane	0.145	ND	0.118	0.0931	81.6	64.4	1	10.0-144			23.6	35
1,1,2-Trichloroethane	0.145	ND	0.130	0.0943	89.6	65.2	1	10.0-160			31.5	35
Trichloroethene	0.145	ND	0.126	0.0931	87.2	64.4	1	10.0-156			30.1	38
Trichlorofluoromethane	0.145	ND	0.0393	0.0252	27.2	17.4	1	10.0-160		J3	43.7	40
1,2,3-Trichloropropane	0.145	ND	0.112	0.0815	77.5	56.4	1	10.0-156			31.5	35
1,2,3-Trimethylbenzene	0.145	ND	0.115	0.0849	79.3	58.7	1	10.0-160			29.8	36
1,2,4-Trimethylbenzene	0.145	ND	0.119	0.0900	82.4	62.2	1	10.0-160			27.9	36
1,3,5-Trimethylbenzene	0.145	ND	0.117	0.0852	80.8	59.0	1	10.0-160			31.3	38
Vinyl chloride	0.145	ND	0.0988	0.0794	68.3	55.0	1	10.0-160			21.7	37
Xylenes, Total	0.434	ND	0.379	0.287	87.5	66.1	1	10.0-160			27.8	38
(S) Toluene-d8					*103*	*103*		*75.0-131*				
(S) 4-Bromofluorobenzene					*101*	*103*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*90.3*	*89.6*		*70.0-130*				

Method Blank (MB)

(MB) R4234165-3 06/21/25 10:23

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

Method Blank (MB)

(MB) R4234165-3 06/21/25 10:23

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	*91.9*			*75.0-131*
(S) 4-Bromofluorobenzene	*106*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*92.3*			*70.0-130*

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

(LCS) R4234165-1 06/21/25 08:47 • (LCSD) R4234165-2 06/21/25 09:06

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.498	0.510	79.7	81.6	10.0-160			2.38	31
Acrylonitrile	0.625	0.789	0.799	126	128	45.0-153			1.26	22
Benzene	0.125	0.141	0.146	113	117	70.0-123			3.48	20
Bromobenzene	0.125	0.111	0.117	88.8	93.6	73.0-121			5.26	20
Bromodichloromethane	0.125	0.144	0.147	115	118	73.0-121			2.06	20
Bromoform	0.125	0.123	0.126	98.4	101	64.0-132			2.41	20

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

(LCS) R4234165-1 06/21/25 08:47 • (LCSD) R4234165-2 06/21/25 09:06

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromomethane	0.125	0.118	0.121	94.4	96.8	56.0-147			2.51	20
n-Butylbenzene	0.125	0.104	0.110	83.2	88.0	68.0-135			5.61	20
sec-Butylbenzene	0.125	0.114	0.121	91.2	96.8	74.0-130			5.96	20
tert-Butylbenzene	0.125	0.115	0.119	92.0	95.2	75.0-127			3.42	20
Carbon tetrachloride	0.125	0.141	0.142	113	114	66.0-128			0.707	20
Chlorobenzene	0.125	0.121	0.124	96.8	99.2	76.0-128			2.45	20
Chlorodibromomethane	0.125	0.131	0.135	105	108	74.0-127			3.01	20
Chloroethane	0.125	0.153	0.146	122	117	61.0-134			4.68	20
Chloroform	0.125	0.143	0.138	114	110	72.0-123			3.56	20
Chloromethane	0.125	0.132	0.129	106	103	51.0-138			2.30	20
2-Chlorotoluene	0.125	0.117	0.114	93.6	91.2	75.0-124			2.60	20
4-Chlorotoluene	0.125	0.114	0.113	91.2	90.4	75.0-124			0.881	20
1,2-Dibromo-3-Chloropropane	0.125	0.105	0.115	84.0	92.0	59.0-130			9.09	20
1,2-Dibromoethane	0.125	0.124	0.130	99.2	104	74.0-128			4.72	20
Dibromomethane	0.125	0.141	0.146	113	117	75.0-122			3.48	20
1,2-Dichlorobenzene	0.125	0.109	0.111	87.2	88.8	76.0-124			1.82	20
1,3-Dichlorobenzene	0.125	0.109	0.111	87.2	88.8	76.0-125			1.82	20
1,4-Dichlorobenzene	0.125	0.104	0.107	83.2	85.6	77.0-121			2.84	20
Dichlorodifluoromethane	0.125	0.162	0.155	130	124	43.0-156			4.42	20
1,1-Dichloroethane	0.125	0.146	0.148	117	118	70.0-127			1.36	20
1,2-Dichloroethane	0.125	0.130	0.133	104	106	65.0-131			2.28	20
1,1-Dichloroethene	0.125	0.146	0.150	117	120	65.0-131			2.70	20
cis-1,2-Dichloroethene	0.125	0.144	0.152	115	122	73.0-125			5.41	20
trans-1,2-Dichloroethene	0.125	0.145	0.151	116	121	71.0-125			4.05	20
1,2-Dichloropropane	0.125	0.148	0.153	118	122	74.0-125			3.32	20
1,1-Dichloropropene	0.125	0.140	0.142	112	114	73.0-125			1.42	20
1,3-Dichloropropane	0.125	0.122	0.126	97.6	101	80.0-125			3.23	20
cis-1,3-Dichloropropene	0.125	0.150	0.155	120	124	76.0-127			3.28	20
trans-1,3-Dichloropropene	0.125	0.125	0.131	100	105	73.0-127			4.69	20
2,2-Dichloropropane	0.125	0.146	0.149	117	119	59.0-135			2.03	20
Di-isopropyl ether	0.125	0.141	0.146	113	117	60.0-136			3.48	20
Ethylbenzene	0.125	0.122	0.124	97.6	99.2	74.0-126			1.63	20
Hexachloro-1,3-butadiene	0.125	0.108	0.108	86.4	86.4	57.0-150			0.000	20
Isopropylbenzene	0.125	0.118	0.120	94.4	96.0	72.0-127			1.68	20
p-Isopropyltoluene	0.125	0.115	0.116	92.0	92.8	72.0-133			0.866	20
2-Butanone (MEK)	0.625	0.734	0.729	117	117	30.0-160			0.684	24
Methylene Chloride	0.125	0.145	0.142	116	114	68.0-123			2.09	20
4-Methyl-2-pentanone (MIBK)	0.625	0.652	0.656	104	105	56.0-143			0.612	20
Methyl tert-butyl ether	0.125	0.153	0.148	122	118	66.0-132			3.32	20
n-Propylbenzene	0.125	0.107	0.113	85.6	90.4	74.0-126			5.45	20

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

(LCS) R4234165-1 06/21/25 08:47 • (LCSD) R4234165-2 06/21/25 09:06

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Styrene	0.125	0.121	0.124	96.8	99.2	72.0-127			2.45	20
1,1,1,2-Tetrachloroethane	0.125	0.121	0.122	96.8	97.6	74.0-129			0.823	20
1,1,2,2-Tetrachloroethane	0.125	0.107	0.110	85.6	88.0	68.0-128			2.76	20
1,1,2-Trichlorotrifluoroethane	0.125	0.143	0.149	114	119	61.0-139			4.11	20
Tetrachloroethene	0.125	0.126	0.129	101	103	70.0-136			2.35	20
Toluene	0.125	0.114	0.119	91.2	95.2	75.0-121			4.29	20
1,2,3-Trichlorobenzene	0.125	0.101	0.103	80.8	82.4	59.0-139			1.96	20
1,2,4-Trichlorobenzene	0.125	0.104	0.106	83.2	84.8	62.0-137			1.90	20
1,1,1-Trichloroethane	0.125	0.140	0.143	112	114	69.0-126			2.12	20
1,1,2-Trichloroethane	0.125	0.124	0.127	99.2	102	78.0-123			2.39	20
Trichloroethene	0.125	0.151	0.155	121	124	76.0-126			2.61	20
Trichlorofluoromethane	0.125	0.147	0.147	118	118	61.0-142			0.000	20
1,2,3-Trichloropropane	0.125	0.111	0.116	88.8	92.8	67.0-129			4.41	20
1,2,3-Trimethylbenzene	0.125	0.104	0.107	83.2	85.6	74.0-124			2.84	20
1,2,4-Trimethylbenzene	0.125	0.114	0.119	91.2	95.2	70.0-126			4.29	20
1,3,5-Trimethylbenzene	0.125	0.107	0.114	85.6	91.2	73.0-127			6.33	20
Vinyl chloride	0.125	0.144	0.141	115	113	63.0-134			2.11	20
Xylenes, Total	0.375	0.368	0.374	98.1	99.7	72.0-127			1.62	20
(S) Toluene-d8				*92.6*	*92.1*	*75.0-131*				
(S) 4-Bromofluorobenzene				*106*	*106*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*92.4*	*92.1*	*70.0-130*				

L1871611-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871611-11 06/21/25 16:41 • (MS) R4234165-4 06/21/25 19:13 • (MSD) R4234165-5 06/21/25 19:32

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 %
Acetone	0.720	0.118	0.849	1.02	102	125	1	10.0-160			17.8	40
Acrylonitrile	0.720	ND	0.929	0.942	129	131	1	10.0-160			1.36	40
Benzene	0.144	ND	0.156	0.144	108	100	1	10.0-149			7.69	37
Bromobenzene	0.144	ND	0.121	0.116	84.0	80.8	1	10.0-156			3.88	38
Bromodichloromethane	0.144	ND	0.161	0.150	112	104	1	10.0-143			7.41	37
Bromoform	0.144	ND	0.131	0.127	91.2	88.0	1	10.0-146			3.57	36
Bromomethane	0.144	ND	0.0894	0.0748	62.1	51.9	1	10.0-149			17.8	38
n-Butylbenzene	0.144	ND	0.129	0.127	89.6	88.0	1	10.0-160			1.80	40
sec-Butylbenzene	0.144	ND	0.134	0.127	92.8	88.0	1	10.0-159			5.31	39
tert-Butylbenzene	0.144	ND	0.126	0.122	87.2	84.8	1	10.0-156			2.79	39
Carbon tetrachloride	0.144	ND	0.145	0.134	101	92.8	1	10.0-145			8.26	37
Chlorobenzene	0.144	ND	0.134	0.126	92.8	87.2	1	10.0-152			6.22	39

L1871611-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871611-11 06/21/25 16:41 • (MS) R4234165-4 06/21/25 19:13 • (MSD) R4234165-5 06/21/25 19:32

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 %
Chlorodibromomethane	0.144	ND	0.143	0.135	99.2	93.6	1	10.0-146			5.81	37
Chloroethane	0.144	ND	0.0658	0.0420	45.7	29.1	1	10.0-146		J3	44.3	40
Chloroform	0.144	ND	0.157	0.145	109	101	1	10.0-146			7.63	37
Chloromethane	0.144	ND	0.0992	0.0949	68.9	65.8	1	10.0-159			4.51	37
2-Chlorotoluene	0.144	ND	0.126	0.116	87.2	80.8	1	10.0-159			7.62	38
4-Chlorotoluene	0.144	ND	0.124	0.115	86.4	79.6	1	10.0-155			8.19	39
1,2-Dibromo-3-Chloropropane	0.144	ND	0.113	0.114	78.5	79.2	1	10.0-151			0.913	39
1,2-Dibromoethane	0.144	ND	0.134	0.129	92.8	89.6	1	10.0-148			3.51	34
Dibromomethane	0.144	ND	0.157	0.149	109	103	1	10.0-147			5.28	35
1,2-Dichlorobenzene	0.144	ND	0.128	0.123	88.8	85.6	1	10.0-155			3.67	37
1,3-Dichlorobenzene	0.144	ND	0.127	0.120	88.0	83.2	1	10.0-153			5.61	38
1,4-Dichlorobenzene	0.144	ND	0.119	0.114	82.4	79.0	1	10.0-151			4.16	38
Dichlorodifluoromethane	0.144	ND	0.129	0.120	89.6	83.2	1	10.0-160			7.41	35
1,1-Dichloroethane	0.144	ND	0.156	0.146	108	102	1	10.0-147			6.11	37
1,2-Dichloroethane	0.144	ND	0.143	0.137	99.2	95.2	1	10.0-148			4.12	35
1,1-Dichloroethene	0.144	ND	0.157	0.137	109	95.2	1	10.0-155			13.3	37
cis-1,2-Dichloroethene	0.144	ND	0.160	0.145	111	101	1	10.0-149			9.81	37
trans-1,2-Dichloroethene	0.144	ND	0.150	0.135	104	93.6	1	10.0-150			10.5	37
1,2-Dichloropropane	0.144	ND	0.166	0.161	115	112	1	10.0-148			2.82	37
1,1-Dichloropropene	0.144	ND	0.146	0.131	102	91.2	1	10.0-153			10.8	35
1,3-Dichloropropane	0.144	ND	0.135	0.129	93.6	89.6	1	10.0-154			4.37	35
cis-1,3-Dichloropropene	0.144	ND	0.165	0.154	114	107	1	10.0-151			6.50	37
trans-1,3-Dichloropropene	0.144	ND	0.134	0.131	92.8	91.2	1	10.0-148			1.74	37
2,2-Dichloropropane	0.144	ND	0.137	0.129	95.2	89.6	1	10.0-138			6.06	36
Di-isopropyl ether	0.144	ND	0.168	0.157	117	109	1	10.0-147			7.09	36
Ethylbenzene	0.144	ND	0.141	0.130	97.6	90.4	1	10.0-160			7.66	38
Hexachloro-1,3-butadiene	0.144	ND	0.143	0.139	99.2	96.8	1	10.0-160			2.45	40
Isopropylbenzene	0.144	ND	0.143	0.137	99.2	95.2	1	10.0-155			4.12	38
p-Isopropyltoluene	0.144	ND	0.135	0.128	93.6	88.8	1	10.0-160			5.26	40
2-Butanone (MEK)	0.720	ND	1.06	1.13	147	157	1	10.0-160			6.53	40
Methylene Chloride	0.144	ND	0.150	0.141	104	97.6	1	10.0-141			6.35	37
4-Methyl-2-pentanone (MIBK)	0.720	ND	0.723	0.708	100	98.2	1	10.0-160			2.10	35
Methyl tert-butyl ether	0.144	ND	0.181	0.167	126	116	1	11.0-147			7.95	35
n-Propylbenzene	0.144	ND	0.122	0.116	84.8	80.8	1	10.0-158			4.83	38
Styrene	0.144	ND	0.137	0.127	95.2	88.0	1	10.0-160			7.86	40
1,1,1,2-Tetrachloroethane	0.144	ND	0.143	0.131	99.2	91.2	1	10.0-149			8.40	39
1,1,2,2-Tetrachloroethane	0.144	ND	0.0707	0.0575	49.0	39.9	1	10.0-160			20.5	35
1,1,2-Trichlorotrifluoroethane	0.144	ND	0.121	0.0758	84.0	52.6	1	10.0-160		J3	45.9	36
Tetrachloroethene	0.144	ND	0.139	0.130	96.8	90.4	1	10.0-156			6.84	39

L1871611-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871611-11 06/21/25 16:41 • (MS) R4234165-4 06/21/25 19:13 • (MSD) R4234165-5 06/21/25 19:32

Analyte	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
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Toluene	0.144	ND	0.126	0.119	87.2	82.4	1	10.0-156			5.66	38
1,2,3-Trichlorobenzene	0.144	ND	0.143	0.149	99.2	103	1	10.0-160			3.95	40
1,2,4-Trichlorobenzene	0.144	ND	0.148	0.145	102	101	1	10.0-160			1.57	40
1,1,1-Trichloroethane	0.144	ND	0.144	0.134	100	92.8	1	10.0-144			7.47	35
1,1,2-Trichloroethane	0.144	ND	0.139	0.134	96.8	92.8	1	10.0-160			4.22	35
Trichloroethene	0.144	ND	0.209	0.204	145	142	1	10.0-156			2.23	38
Trichlorofluoromethane	0.144	ND	0.0833	0.0689	57.8	47.8	1	10.0-160			18.9	40
1,2,3-Trichloropropane	0.144	ND	0.119	0.114	82.4	78.8	1	10.0-156			4.47	35
1,2,3-Trimethylbenzene	0.144	ND	0.121	0.115	84.0	79.9	1	10.0-160			4.98	36
1,2,4-Trimethylbenzene	0.144	ND	0.130	0.124	90.4	86.4	1	10.0-160			4.52	36
1,3,5-Trimethylbenzene	0.144	ND	0.126	0.118	87.2	81.6	1	10.0-160			6.64	38
Vinyl chloride	0.144	ND	0.122	0.112	84.8	78.0	1	10.0-160			8.35	37
Xylenes, Total	0.432	ND	0.417	0.399	96.5	92.3	1	10.0-160			4.52	38
(S) Toluene-d8					*90.8*	*91.3*		*75.0-131*				
(S) 4-Bromofluorobenzene					*110*	*109*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*94.7*	*95.8*		*70.0-130*				

Method Blank (MB)

(MB) R4241204-3 07/05/25 12:25

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	0.000475	J	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	0.000525	J	0.000425	0.00250

Method Blank (MB)

(MB) R4241204-3 07/05/25 12:25

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	0.000300	J	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	*103*			*75.0-131*
(S) 4-Bromofluorobenzene	*98.1*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*89.1*			*70.0-130*

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

(LCS) R4241204-1 07/05/25 10:35 • (LCSD) R4241204-2 07/05/25 10:57

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	0.738	0.582	118	93.1	10.0-160			23.6	31
Acrylonitrile	0.625	0.662	0.624	106	99.8	45.0-153			5.91	22
Benzene	0.125	0.119	0.122	95.2	97.6	70.0-123			2.49	20
Bromobenzene	0.125	0.125	0.123	100	98.4	73.0-121			1.61	20
Bromodichloromethane	0.125	0.116	0.119	92.8	95.2	73.0-121			2.55	20
Bromoform	0.125	0.126	0.119	101	95.2	64.0-132			5.71	20

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

(LCS) R4241204-1 07/05/25 10:35 • (LCSD) R4241204-2 07/05/25 10:57

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 %
Bromomethane	0.125	0.130	0.132	104	106	56.0-147			1.53	20
n-Butylbenzene	0.125	0.127	0.125	102	100	68.0-135			1.59	20
sec-Butylbenzene	0.125	0.130	0.126	104	101	74.0-130			3.12	20
tert-Butylbenzene	0.125	0.121	0.115	96.8	92.0	75.0-127			5.08	20
Carbon tetrachloride	0.125	0.125	0.132	100	106	66.0-128			5.45	20
Chlorobenzene	0.125	0.123	0.124	98.4	99.2	76.0-128			0.810	20
Chlorodibromomethane	0.125	0.117	0.115	93.6	92.0	74.0-127			1.72	20
Chloroethane	0.125	0.127	0.138	102	110	61.0-134			8.30	20
Chloroform	0.125	0.118	0.126	94.4	101	72.0-123			6.56	20
Chloromethane	0.125	0.168	0.179	134	143	51.0-138		J4	6.34	20
2-Chlorotoluene	0.125	0.126	0.122	101	97.6	75.0-124			3.23	20
4-Chlorotoluene	0.125	0.127	0.127	102	102	75.0-124			0.000	20
1,2-Dibromo-3-Chloropropane	0.125	0.139	0.121	111	96.8	59.0-130			13.8	20
1,2-Dibromoethane	0.125	0.119	0.115	95.2	92.0	74.0-128			3.42	20
Dibromomethane	0.125	0.113	0.115	90.4	92.0	75.0-122			1.75	20
1,2-Dichlorobenzene	0.125	0.127	0.123	102	98.4	76.0-124			3.20	20
1,3-Dichlorobenzene	0.125	0.127	0.125	102	100	76.0-125			1.59	20
1,4-Dichlorobenzene	0.125	0.122	0.119	97.6	95.2	77.0-121			2.49	20
Dichlorodifluoromethane	0.125	0.151	0.160	121	128	43.0-156			5.79	20
1,1-Dichloroethane	0.125	0.111	0.118	88.8	94.4	70.0-127			6.11	20
1,2-Dichloroethane	0.125	0.122	0.123	97.6	98.4	65.0-131			0.816	20
1,1-Dichloroethene	0.125	0.122	0.128	97.6	102	65.0-131			4.80	20
cis-1,2-Dichloroethene	0.125	0.120	0.124	96.0	99.2	73.0-125			3.28	20
trans-1,2-Dichloroethene	0.125	0.115	0.123	92.0	98.4	71.0-125			6.72	20
1,2-Dichloropropane	0.125	0.116	0.117	92.8	93.6	74.0-125			0.858	20
1,1-Dichloropropene	0.125	0.121	0.128	96.8	102	73.0-125			5.62	20
1,3-Dichloropropane	0.125	0.123	0.117	98.4	93.6	80.0-125			5.00	20
cis-1,3-Dichloropropene	0.125	0.113	0.113	90.4	90.4	76.0-127			0.000	20
trans-1,3-Dichloropropene	0.125	0.121	0.117	96.8	93.6	73.0-127			3.36	20
2,2-Dichloropropane	0.125	0.119	0.137	95.2	110	59.0-135			14.1	20
Di-isopropyl ether	0.125	0.132	0.132	106	106	60.0-136			0.000	20
Ethylbenzene	0.125	0.117	0.121	93.6	96.8	74.0-126			3.36	20
Hexachloro-1,3-butadiene	0.125	0.130	0.121	104	96.8	57.0-150			7.17	20
Isopropylbenzene	0.125	0.125	0.128	100	102	72.0-127			2.37	20
p-Isopropyltoluene	0.125	0.120	0.114	96.0	91.2	72.0-133			5.13	20
2-Butanone (MEK)	0.625	0.633	0.612	101	97.9	30.0-160			3.37	24
Methylene Chloride	0.125	0.118	0.122	94.4	97.6	68.0-123			3.33	20
4-Methyl-2-pentanone (MIBK)	0.625	0.637	0.626	102	100	56.0-143			1.74	20
Methyl tert-butyl ether	0.125	0.129	0.127	103	102	66.0-132			1.56	20
n-Propylbenzene	0.125	0.125	0.123	100	98.4	74.0-126			1.61	20

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

(LCS) R4241204-1 07/05/25 10:35 • (LCSD) R4241204-2 07/05/25 10:57

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	0.117	0.121	93.6	96.8	72.0-127			3.36	20
1,1,1,2-Tetrachloroethane	0.125	0.115	0.118	92.0	94.4	74.0-129			2.58	20
1,1,2,2-Tetrachloroethane	0.125	0.127	0.125	102	100	68.0-128			1.59	20
1,1,2-Trichlorotrifluoroethane	0.125	0.116	0.135	92.8	108	61.0-139			15.1	20
Tetrachloroethene	0.125	0.122	0.126	97.6	101	70.0-136			3.23	20
Toluene	0.125	0.116	0.117	92.8	93.6	75.0-121			0.858	20
1,2,3-Trichlorobenzene	0.125	0.136	0.120	109	96.0	59.0-139			12.5	20
1,2,4-Trichlorobenzene	0.125	0.130	0.121	104	96.8	62.0-137			7.17	20
1,1,1-Trichloroethane	0.125	0.129	0.133	103	106	69.0-126			3.05	20
1,1,2-Trichloroethane	0.125	0.120	0.111	96.0	88.8	78.0-123			7.79	20
Trichloroethene	0.125	0.120	0.117	96.0	93.6	76.0-126			2.53	20
Trichlorofluoromethane	0.125	0.137	0.144	110	115	61.0-142			4.98	20
1,2,3-Trichloropropane	0.125	0.123	0.117	98.4	93.6	67.0-129			5.00	20
1,2,3-Trimethylbenzene	0.125	0.125	0.120	100	96.0	74.0-124			4.08	20
1,2,4-Trimethylbenzene	0.125	0.126	0.124	101	99.2	70.0-126			1.60	20
1,3,5-Trimethylbenzene	0.125	0.124	0.120	99.2	96.0	73.0-127			3.28	20
Vinyl chloride	0.125	0.120	0.127	96.0	102	63.0-134			5.67	20
Xylenes, Total	0.375	0.364	0.371	97.1	98.9	72.0-127			1.90	20
(S) Toluene-d8				*98.1*	*99.2*	*75.0-131*				
(S) 4-Bromofluorobenzene				*98.8*	*99.6*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*101*	*105*	*70.0-130*				

L1871603-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871603-13 07/05/25 15:00 • (MS) R4241204-4 07/05/25 23:03 • (MSD) R4241204-5 07/05/25 23:24

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 %
Acetone	0.816	ND	0.382	0.386	46.9	47.4	1	10.0-160			1.02	40
Acrylonitrile	0.816	ND	0.548	0.608	67.2	74.6	1	10.0-160			10.4	40
Benzene	0.163	ND	0.132	0.140	80.8	85.6	1	10.0-149			5.77	37
Bromobenzene	0.163	ND	0.153	0.167	93.6	102	1	10.0-156			8.98	38
Bromodichloromethane	0.163	ND	0.127	0.132	77.8	80.8	1	10.0-143			3.73	37
Bromoform	0.163	ND	0.117	0.118	71.8	72.6	1	10.0-146			1.11	36
Bromomethane	0.163	ND	0.0356	0.0433	21.8	26.6	1	10.0-149			19.5	38
n-Butylbenzene	0.163	ND	0.142	0.157	87.2	96.0	1	10.0-160			9.61	40
sec-Butylbenzene	0.163	ND	0.155	0.167	95.2	102	1	10.0-159			7.29	39
tert-Butylbenzene	0.163	ND	0.149	0.164	91.2	101	1	10.0-156			10.0	39
Carbon tetrachloride	0.163	ND	0.137	0.146	84.0	89.6	1	10.0-145			6.45	37
Chlorobenzene	0.163	ND	0.146	0.161	89.6	98.4	1	10.0-152			9.36	39

L1871603-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871603-13 07/05/25 15:00 • (MS) R4241204-4 07/05/25 23:03 • (MSD) R4241204-5 07/05/25 23:24

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 %
Chlorodibromomethane	0.163	ND	0.122	0.130	75.0	79.6	1	10.0-146			6.00	37
Chloroethane	0.163	ND	0.0226	0.0223	13.8	13.7	1	10.0-146			1.16	40
Chloroform	0.163	ND	0.124	0.138	76.1	84.8	1	10.0-146			10.8	37
Chloromethane	0.163	ND	0.110	0.115	67.4	70.6	1	10.0-159			4.75	37
2-Chlorotoluene	0.163	ND	0.151	0.158	92.8	96.8	1	10.0-159			4.22	38
4-Chlorotoluene	0.163	ND	0.158	0.170	96.8	104	1	10.0-155			7.17	39
1,2-Dibromo-3-Chloropropane	0.163	ND	0.120	0.118	73.3	72.6	1	10.0-151			0.877	39
1,2-Dibromoethane	0.163	ND	0.132	0.141	80.8	86.4	1	10.0-148			6.70	34
Dibromomethane	0.163	ND	0.117	0.121	71.7	74.2	1	10.0-147			3.51	35
1,2-Dichlorobenzene	0.163	ND	0.153	0.158	93.6	96.8	1	10.0-155			3.36	37
1,3-Dichlorobenzene	0.163	ND	0.153	0.163	93.6	100	1	10.0-153			6.61	38
1,4-Dichlorobenzene	0.163	ND	0.149	0.161	91.2	98.4	1	10.0-151			7.59	38
Dichlorodifluoromethane	0.163	ND	0.158	0.167	96.8	102	1	10.0-160			5.62	35
1,1-Dichloroethane	0.163	ND	0.128	0.133	78.6	81.6	1	10.0-147			3.80	37
1,2-Dichloroethane	0.163	ND	0.117	0.125	72.0	76.8	1	10.0-148			6.45	35
1,1-Dichloroethene	0.163	ND	0.127	0.137	77.7	84.0	1	10.0-155			7.82	37
cis-1,2-Dichloroethene	0.163	ND	0.126	0.133	77.4	81.6	1	10.0-149			5.33	37
trans-1,2-Dichloroethene	0.163	ND	0.111	0.122	68.3	75.0	1	10.0-150			9.27	37
1,2-Dichloropropane	0.163	ND	0.134	0.145	82.4	88.8	1	10.0-148			7.48	37
1,1-Dichloropropene	0.163	ND	0.127	0.140	78.1	85.6	1	10.0-153			9.19	35
1,3-Dichloropropane	0.163	ND	0.149	0.157	91.2	96.0	1	10.0-154			5.13	35
cis-1,3-Dichloropropene	0.163	ND	0.116	0.124	71.3	75.8	1	10.0-151			6.20	37
trans-1,3-Dichloropropene	0.163	ND	0.122	0.133	74.6	81.6	1	10.0-148			9.02	37
2,2-Dichloropropane	0.163	ND	0.0607	0.0771	37.2	47.3	1	10.0-138			23.9	36
Di-isopropyl ether	0.163	ND	0.138	0.141	84.8	86.4	1	10.0-147			1.87	36
Ethylbenzene	0.163	ND	0.138	0.146	84.8	89.6	1	10.0-160			5.50	38
Hexachloro-1,3-butadiene	0.163	ND	0.128	0.141	78.6	86.4	1	10.0-160			9.40	40
Isopropylbenzene	0.163	ND	0.146	0.153	89.6	93.6	1	10.0-155			4.37	38
p-Isopropyltoluene	0.163	ND	0.137	0.146	84.0	89.6	1	10.0-160			6.45	40
2-Butanone (MEK)	0.816	ND	0.440	0.468	53.9	57.4	1	10.0-160			6.32	40
Methylene Chloride	0.163	ND	0.127	0.137	71.9	78.1	1	10.0-141			7.61	37
4-Methyl-2-pentanone (MIBK)	0.816	ND	0.655	0.673	80.3	82.6	1	10.0-160			2.75	35
Methyl tert-butyl ether	0.163	ND	0.125	0.133	76.5	81.6	1	11.0-147			6.48	35
n-Propylbenzene	0.163	ND	0.150	0.162	92.0	99.2	1	10.0-158			7.53	38
Styrene	0.163	ND	0.134	0.145	82.0	88.4	1	10.0-160			7.48	40
1,1,1,2-Tetrachloroethane	0.163	ND	0.129	0.130	79.2	80.0	1	10.0-149			1.01	39
1,1,2,2-Tetrachloroethane	0.163	ND	0.0528	0.0803	32.4	49.2	1	10.0-160		J3	41.2	35
1,1,2-Trichlorotrifluoroethane	0.163	ND	0.147	0.163	90.4	100	1	10.0-160			10.1	36
Tetrachloroethene	0.163	ND	0.141	0.154	86.4	94.4	1	10.0-156			8.85	39

L1871603-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871603-13 07/05/25 15:00 • (MS) R4241204-4 07/05/25 23:03 • (MSD) R4241204-5 07/05/25 23:24

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 %
Toluene	0.163	ND	0.141	0.149	86.4	91.2	1	10.0-156			5.41	38
1,2,3-Trichlorobenzene	0.163	ND	0.147	0.157	90.4	96.0	1	10.0-160			6.01	40
1,2,4-Trichlorobenzene	0.163	ND	0.146	0.155	89.6	95.2	1	10.0-160			6.06	40
1,1,1-Trichloroethane	0.163	ND	0.138	0.147	84.8	90.4	1	10.0-144			6.39	35
1,1,2-Trichloroethane	0.163	ND	0.138	0.151	84.8	92.8	1	10.0-160			9.01	35
Trichloroethene	0.163	ND	0.198	0.197	122	121	1	10.0-156			0.660	38
Trichlorofluoromethane	0.163	ND	0.0183	0.0214	11.2	13.1	1	10.0-160			15.8	40
1,2,3-Trichloropropane	0.163	ND	0.137	0.149	84.0	91.2	1	10.0-156			8.22	35
1,2,3-Trimethylbenzene	0.163	ND	0.142	0.147	87.2	90.4	1	10.0-160			3.60	36
1,2,4-Trimethylbenzene	0.163	ND	0.146	0.153	89.6	93.6	1	10.0-160			4.37	36
1,3,5-Trimethylbenzene	0.163	ND	0.150	0.158	92.0	96.8	1	10.0-160			5.08	38
Vinyl chloride	0.163	ND	0.108	0.115	66.3	70.6	1	10.0-160			6.31	37
Xylenes, Total	0.489	ND	0.421	0.437	86.1	89.3	1	10.0-160			3.65	38
(S) Toluene-d8					*102*	*101*		*75.0-131*				
(S) 4-Bromofluorobenzene					*94.0*	*94.2*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*90.0*	*92.8*		*70.0-130*				

Sample Narrative:

OS: Reporting OOH to report requested MS/MS.

Method Blank (MB)

(MB) R4234034-3 06/21/25 02:30

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

Method Blank (MB)

(MB) R4234034-3 06/21/25 02:30

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	*99.7*			*80.0-120*
(S) 4-Bromofluorobenzene	*94.9*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*

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

(LCS) R4234034-1 06/21/25 01:24 • (LCSD) R4234034-2 06/21/25 01:46

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	0.0271	0.0237	108	94.8	19.0-160			13.4	27
Acrolein	0.0250	0.0229	0.0287	91.6	115	10.0-160			22.5	26
Acrylonitrile	0.0250	0.0282	0.0252	113	101	55.0-149			11.2	20
Benzene	0.00500	0.00486	0.00445	97.2	89.0	70.0-123			8.81	20

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

(LCS) R4234034-1 06/21/25 01:24 • (LCSD) R4234034-2 06/21/25 01:46

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 %
Bromobenzene	0.00500	0.00495	0.00441	99.0	88.2	73.0-121			11.5	20
Bromodichloromethane	0.00500	0.00516	0.00473	103	94.6	75.0-120			8.70	20
Bromoform	0.00500	0.00529	0.00485	106	97.0	68.0-132			8.68	20
Bromomethane	0.00500	0.00452	0.00440	90.4	88.0	10.0-160			2.69	25
n-Butylbenzene	0.00500	0.00467	0.00435	93.4	87.0	73.0-125			7.10	20
sec-Butylbenzene	0.00500	0.00511	0.00461	102	92.2	75.0-125			10.3	20
tert-Butylbenzene	0.00500	0.00490	0.00455	98.0	91.0	76.0-124			7.41	20
Carbon tetrachloride	0.00500	0.00516	0.00469	103	93.8	68.0-126			9.54	20
Chlorobenzene	0.00500	0.00507	0.00449	101	89.8	80.0-121			12.1	20
Chlorodibromomethane	0.00500	0.00515	0.00465	103	93.0	77.0-125			10.2	20
Chloroethane	0.00500	0.00503	0.00466	101	93.2	47.0-150			7.64	20
Chloroform	0.00500	0.00495	0.00447	99.0	89.4	73.0-120			10.2	20
Chloromethane	0.00500	0.00479	0.00428	95.8	85.6	41.0-142			11.2	20
2-Chlorotoluene	0.00500	0.00484	0.00435	96.8	87.0	76.0-123			10.7	20
4-Chlorotoluene	0.00500	0.00495	0.00446	99.0	89.2	75.0-122			10.4	20
1,2-Dibromo-3-Chloropropane	0.00500	0.00478	0.00449	95.6	89.8	58.0-134			6.26	20
1,2-Dibromoethane	0.00500	0.00519	0.00459	104	91.8	80.0-122			12.3	20
Dibromomethane	0.00500	0.00518	0.00475	104	95.0	80.0-120			8.66	20
1,2-Dichlorobenzene	0.00500	0.00499	0.00447	99.8	89.4	79.0-121			11.0	20
1,3-Dichlorobenzene	0.00500	0.00489	0.00447	97.8	89.4	79.0-120			8.97	20
1,4-Dichlorobenzene	0.00500	0.00483	0.00429	96.6	85.8	79.0-120			11.8	20
Dichlorodifluoromethane	0.00500	0.00502	0.00408	100	81.6	51.0-149		J3	20.7	20
1,1-Dichloroethane	0.00500	0.00503	0.00470	101	94.0	70.0-126			6.78	20
1,2-Dichloroethane	0.00500	0.00499	0.00452	99.8	90.4	70.0-128			9.88	20
1,1-Dichloroethene	0.00500	0.00502	0.00455	100	91.0	71.0-124			9.82	20
cis-1,2-Dichloroethene	0.00500	0.00506	0.00472	101	94.4	73.0-120			6.95	20
trans-1,2-Dichloroethene	0.00500	0.00512	0.00472	102	94.4	73.0-120			8.13	20
1,2-Dichloropropane	0.00500	0.00505	0.00467	101	93.4	77.0-125			7.82	20
1,1-Dichloropropene	0.00500	0.00486	0.00458	97.2	91.6	74.0-126			5.93	20
1,3-Dichloropropane	0.00500	0.00531	0.00472	106	94.4	80.0-120			11.8	20
cis-1,3-Dichloropropene	0.00500	0.00506	0.00459	101	91.8	80.0-123			9.74	20
trans-1,3-Dichloropropene	0.00500	0.00506	0.00449	101	89.8	78.0-124			11.9	20
2,2-Dichloropropane	0.00500	0.00470	0.00444	94.0	88.8	58.0-130			5.69	20
Di-isopropyl ether	0.00500	0.00528	0.00476	106	95.2	58.0-138			10.4	20
Ethylbenzene	0.00500	0.00503	0.00453	101	90.6	79.0-123			10.5	20
Hexachloro-1,3-butadiene	0.00500	0.00454	0.00375	90.8	75.0	54.0-138			19.1	20
Isopropylbenzene	0.00500	0.00500	0.00455	100	91.0	76.0-127			9.42	20
p-Isopropyltoluene	0.00500	0.00497	0.00461	99.4	92.2	76.0-125			7.52	20
2-Butanone (MEK)	0.0250	0.0259	0.0222	104	88.8	44.0-160			15.4	20
Methylene Chloride	0.00500	0.00520	0.00472	104	94.4	67.0-120			9.68	20

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

(LCS) R4234034-1 06/21/25 01:24 • (LCSD) R4234034-2 06/21/25 01:46

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	0.0277	0.0247	111	98.8	68.0-142			11.5	20
Methyl tert-butyl ether	0.00500	0.00522	0.00484	104	96.8	68.0-125			7.55	20
Naphthalene	0.00500	0.00436	0.00376	87.2	75.2	54.0-135			14.8	20
n-Propylbenzene	0.00500	0.00482	0.00446	96.4	89.2	77.0-124			7.76	20
Styrene	0.00500	0.00499	0.00457	99.8	91.4	73.0-130			8.79	20
1,1,1,2-Tetrachloroethane	0.00500	0.00504	0.00456	101	91.2	75.0-125			10.0	20
1,1,2,2-Tetrachloroethane	0.00500	0.00477	0.00480	95.4	96.0	65.0-130			0.627	20
1,1,2-Trichlorotrifluoroethane	0.00500	0.00520	0.00444	104	88.8	69.0-132			15.8	20
Tetrachloroethene	0.00500	0.00525	0.00466	105	93.2	72.0-132			11.9	20
Toluene	0.00500	0.00505	0.00454	101	90.8	79.0-120			10.6	20
1,2,3-Trichlorobenzene	0.00500	0.00454	0.00379	90.8	75.8	50.0-138			18.0	20
1,2,4-Trichlorobenzene	0.00500	0.00440	0.00383	88.0	76.6	57.0-137			13.9	20
1,1,1-Trichloroethane	0.00500	0.00526	0.00480	105	96.0	73.0-124			9.15	20
1,1,2-Trichloroethane	0.00500	0.00535	0.00480	107	96.0	80.0-120			10.8	20
Trichloroethene	0.00500	0.00525	0.00448	105	89.6	78.0-124			15.8	20
Trichlorofluoromethane	0.00500	0.00541	0.00473	108	94.6	59.0-147			13.4	20
1,2,3-Trichloropropane	0.00500	0.00555	0.00504	111	101	73.0-130			9.63	20
1,2,4-Trimethylbenzene	0.00500	0.00506	0.00485	101	97.0	76.0-121			4.24	20
1,2,3-Trimethylbenzene	0.00500	0.00491	0.00447	98.2	89.4	77.0-120			9.38	20
1,3,5-Trimethylbenzene	0.00500	0.00509	0.00478	102	95.6	76.0-122			6.28	20
Vinyl chloride	0.00500	0.00478	0.00439	95.6	87.8	67.0-131			8.51	20
Xylenes, Total	0.0150	0.0154	0.0144	103	96.0	79.0-123			6.71	20
(S) Toluene-d8				*99.4*	*99.4*	*80.0-120*				
(S) 4-Bromofluorobenzene				*97.6*	*97.7*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*104*	*106*	*70.0-130*				

Method Blank (MB)

(MB) R4238432-1 06/30/25 11:20

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	*62.0*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4238432-2 06/30/25 11:34

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	33.8	67.6	50.0-150	
(S) o-Terphenyl			*67.3*	*18.0-148*	

L1871603-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871603-05 06/30/25 11:48 • (MS) R4238432-3 06/30/25 12:02 • (MSD) R4238432-4 06/30/25 12:16

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	52.2	4.96	42.1	42.4	71.2	72.4	1	50.0-150			0.762	20
(S) o-Terphenyl					*61.7*	*65.0*		*18.0-148*				

Method Blank (MB)

(MB) R4237726-1 06/27/25 21:09

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	1.16	J	0.274	4.00
(S) o-Terphenyl	*58.4*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4237726-2 06/27/25 21:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	30.3	60.6	50.0-150	
(S) o-Terphenyl			*46.1*	*18.0-148*	

L1871611-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871611-11 06/28/25 01:52 • (MS) R4237726-3 06/28/25 02:06 • (MSD) R4237726-4 06/28/25 02:20

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	53.8	ND	38.8	36.2	66.5	61.5	1	50.0-150			7.17	20
(S) o-Terphenyl					*36.9*	*36.9*		*18.0-148*				

L1871603-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871603-13 06/28/25 07:29 • (MS) R4237726-5 06/28/25 07:43 • (MSD) R4237726-6 06/28/25 07:57

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	57.3	ND	43.4	42.8	58.4	57.2	5	50.0-150			1.60	20
(S) o-Terphenyl					*42.6*	*37.5*		*18.0-148*				

Sample Narrative:

OS: Dilution due to matrix.

Method Blank (MB)

(MB) R4237098-2 06/26/25 19:39

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

Method Blank (MB)

(MB) R4237098-2 06/26/25 19:39

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	*61.7*			*12.0-120*
(S) Phenol-d5	*56.3*			*10.0-120*
(S) Nitrobenzene-d5	*61.3*			*10.0-122*
(S) 2-Fluorobiphenyl	*61.0*			*15.0-120*
(S) 2,4,6-Tribromophenol	*88.0*			*10.0-127*
(S) p-Terphenyl-d14	*83.2*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4237098-1 06/26/25 19:17

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthylene	0.666	0.441	66.2	40.0-120	
Benzidine	1.33	U	0.000	10.0-120	J4
Benzo(g,h,i)perylene	0.666	0.469	70.4	43.0-120	
Bis(2-chlorethoxy)methane	0.666	0.259	38.9	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.473	71.0	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.208	31.2	23.0-120	
4-Bromophenyl-phenylether	0.666	0.503	75.5	40.0-120	
2-Chloronaphthalene	0.666	0.341	51.2	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.442	66.4	40.0-120	
1,2-Dichlorobenzene	0.666	0.314	47.1	32.0-120	
1,3-Dichlorobenzene	0.666	0.297	44.6	30.0-120	
1,4-Dichlorobenzene	0.666	0.317	47.6	31.0-120	
3,3-Dichlorobenzidine	1.33	1.06	79.7	28.0-120	
2,4-Dinitrotoluene	0.666	0.496	74.5	45.0-120	
2,6-Dinitrotoluene	0.666	0.456	68.5	42.0-120	
Hexachlorobenzene	0.666	0.487	73.1	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.330	49.5	15.0-120	
Hexachlorocyclopentadiene	0.666	0.226	33.9	15.0-120	
Hexachloroethane	0.666	0.327	49.1	17.0-120	
Isophorone	0.666	0.281	42.2	23.0-120	
Nitrobenzene	0.666	0.256	38.4	17.0-120	
n-Nitrosodimethylamine	0.666	0.321	48.2	10.0-125	
n-Nitrosodiphenylamine	0.666	0.434	65.2	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.328	49.2	26.0-120	

Laboratory Control Sample (LCS)

(LCS) R4237098-1 06/26/25 19:17

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Phenanthrene	0.666	0.420	63.1	42.0-120	
Benzylbutyl phthalate	0.666	0.477	71.6	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.461	69.2	41.0-120	
Di-n-butyl phthalate	0.666	0.485	72.8	43.0-120	
Diethyl phthalate	0.666	0.492	73.9	43.0-120	
Dimethyl phthalate	0.666	0.455	68.3	43.0-120	
Di-n-octyl phthalate	0.666	0.471	70.7	40.0-120	
1,2,4-Trichlorobenzene	0.666	0.314	47.1	17.0-120	
4-Chloro-3-methylphenol	0.666	0.349	52.4	28.0-120	
2-Chlorophenol	0.666	0.314	47.1	28.0-120	
2,4-Dichlorophenol	0.666	0.371	55.7	25.0-120	
2,4-Dimethylphenol	0.666	0.303	45.5	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.343	51.5	16.0-120	
2,4-Dinitrophenol	0.666	0.191	28.7	10.0-120	
2-Nitrophenol	0.666	0.352	52.9	20.0-120	
4-Nitrophenol	0.666	0.416	62.5	27.0-120	
Pentachlorophenol	0.666	0.291	43.7	29.0-120	
Phenol	0.666	0.299	44.9	28.0-120	
2,4,6-Trichlorophenol	0.666	0.398	59.8	37.0-120	
(S) 2-Fluorophenol			*56.0*	*12.0-120*	
(S) Phenol-d5			*54.1*	*10.0-120*	
(S) Nitrobenzene-d5			*46.2*	*10.0-122*	
(S) 2-Fluorobiphenyl			*59.5*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*94.1*	*10.0-127*	
(S) p-Terphenyl-d14			*74.5*	*10.0-120*	

L1871136-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871136-16 06/27/25 00:37 • (MS) R4237098-3 06/27/25 00:59 • (MSD) R4237098-4 06/27/25 01:19

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 %
Acenaphthylene	0.719	ND	0.594	0.706	82.6	98.4	10	25.0-120			17.1	32
Benzidine	1.26	ND	ND	ND	0.000	0.000	10	10.0-120	J6	J6	0.000	40
Benzo(g,h,i)perylene	0.719	ND	0.566	0.668	78.7	93.1	10	10.0-120			16.5	33
Bis(2-chlorethoxy)methane	0.719	ND	ND	ND	0.000	64.1	10	10.0-120	J6	J3	200	34
Bis(2-chloroethyl)ether	0.628	ND	ND	ND	0.000	0.000	10	10.0-120	J6	J6	0.000	40
2,2-Oxybis(1-Chloropropane)	0.719	ND	ND	ND	0.000	0.000	10	10.0-120	J6	J6	0.000	40
4-Bromophenyl-phenylether	0.719	ND	ND	ND	95.2	115	10	27.0-120			18.5	30
2-Chloronaphthalene	0.719	ND	0.496	0.564	68.9	78.6	10	20.0-120			12.8	32

L1871136-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871136-16 06/27/25 00:37 • (MS) R4237098-3 06/27/25 00:59 • (MSD) R4237098-4 06/27/25 01:19

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 %
4-Chlorophenyl-phenylether	0.719	ND	ND	ND	83.0	102	10	24.0-120			20.2	29
1,2-Dichlorobenzene	0.719	ND	ND	ND	62.6	78.4	10	10.0-120			22.2	38
1,3-Dichlorobenzene	0.719	ND	ND	ND	59.6	69.6	10	10.0-120			15.3	40
1,4-Dichlorobenzene	0.719	ND	ND	ND	61.6	77.6	10	10.0-120			22.7	39
3,3-Dichlorobenzidine	1.26	ND	ND	ND	0.000	0.000	10	10.0-120	J6	J6	0.000	34
2,4-Dinitrotoluene	0.628	ND	ND	ND	0.000	0.000	10	30.0-120	J6	J6	0.000	31
2,6-Dinitrotoluene	0.719	ND	ND	ND	0.000	102	10	25.0-120	J6	J3	200	31
Hexachlorobenzene	0.719	ND	ND	ND	0.000	111	10	27.0-120	J6	J3	200	28
Hexachloro-1,3-butadiene	0.719	ND	ND	ND	0.000	96.8	10	10.0-120	J6	J3	200	38
Hexachlorocyclopentadiene	0.628	ND	ND	ND	0.000	0.000	10	10.0-120	J6	J6	0.000	40
Hexachloroethane	0.719	ND	ND	ND	0.000	67.3	10	10.0-120	J6	J3	200	40
Isophorone	0.719	ND	ND	ND	0.000	70.0	10	13.0-120	J6	J3	200	34
Nitrobenzene	0.719	ND	ND	ND	0.000	0.000	10	10.0-120	J6	J6	0.000	36
n-Nitrosodimethylamine	0.628	ND	ND	ND	0.000	0.000	10	10.0-127	J6	J6	0.000	40
n-Nitrosodiphenylamine	0.719	ND	ND	ND	75.8	87.9	10	17.0-120			14.4	29
n-Nitrosodi-n-propylamine	0.719	ND	ND	ND	0.000	0.000	10	10.0-120	J6	J6	0.000	37
Phenanthrene	0.719	ND	0.521	0.606	72.5	84.5	10	17.0-120			15.0	31
Benzylbutyl phthalate	0.628	ND	ND	ND	0.000	0.000	10	23.0-120	J6	J6	0.000	30
Bis(2-ethylhexyl)phthalate	0.628	ND	ND	ND	0.000	0.000	10	17.0-126	J6	J6	0.000	30
Di-n-butyl phthalate	0.719	ND	ND	ND	77.5	87.2	10	30.0-120			11.4	29
Diethyl phthalate	0.719	ND	ND	ND	0.000	98.4	10	26.0-120	J6	J3	200	28
Dimethyl phthalate	0.719	ND	ND	ND	86.5	95.4	10	25.0-120			9.47	29
Di-n-octyl phthalate	0.628	ND	ND	ND	0.000	0.000	10	21.0-123	J6	J6	0.000	29
1,2,4-Trichlorobenzene	0.719	ND	ND	ND	75.5	85.5	10	12.0-120			12.1	37
4-Chloro-3-methylphenol	0.719	ND	ND	ND	0.000	86.4	10	15.0-120	J6	J3	200	30
2-Chlorophenol	0.719	ND	ND	ND	59.9	69.8	10	15.0-120			15.0	37
2,4-Dichlorophenol	0.719	ND	ND	ND	82.5	98.9	10	20.0-120			17.8	31
2,4-Dimethylphenol	0.628	ND	ND	ND	0.000	0.000	10	10.0-120	J6	J6	0.000	33
4,6-Dinitro-2-methylphenol	0.628	ND	ND	ND	0.000	0.000	10	10.0-120	J6	J6	0.000	39
2,4-Dinitrophenol	0.628	ND	ND	ND	0.000	0.000	10	10.0-121	J6	J6	0.000	40
2-Nitrophenol	0.719	ND	ND	ND	0.000	94.7	10	12.0-120	J6	J3	200	39
4-Nitrophenol	0.628	ND	ND	ND	0.000	0.000	10	10.0-137	J6	J6	0.000	32
Pentachlorophenol	0.719	ND	ND	ND	0.000	0.000	10	10.0-160	J6	J6	0.000	31
Phenol	0.719	ND	ND	ND	0.000	0.000	10	12.0-120	J6	J6	0.000	38
2,4,6-Trichlorophenol	0.628	ND	ND	ND	0.000	0.000	10	19.0-120	J6	J6	0.000	32
(S) 2-Fluorophenol					*72.0*	*83.7*		*12.0-120*				
(S) Phenol-d5					*63.9*	*75.2*		*10.0-120*				
(S) Nitrobenzene-d5					*62.4*	*84.0*		*10.0-122*				
(S) 2-Fluorobiphenyl					*74.2*	*92.7*		*15.0-120*				

L1871136-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871136-16 06/27/25 00:37 • (MS) R4237098-3 06/27/25 00:59 • (MSD) R4237098-4 06/27/25 01:19

Analyte	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
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
(S) 2,4,6-Tribromophenol					*117*	*132*		*10.0-127*		J1		
(S) p-Terphenyl-d14					*83.4*	*100*		*10.0-120*				

Method Blank (MB)

(MB) R4239151-2 07/01/25 16:11

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

Method Blank (MB)

(MB) R4239151-2 07/01/25 16:11

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	*69.4*			*12.0-120*
(S) Phenol-d5	*70.3*			*10.0-120*
(S) Nitrobenzene-d5	*67.9*			*10.0-122*
(S) 2-Fluorobiphenyl	*61.0*			*15.0-120*
(S) 2,4,6-Tribromophenol	*75.2*			*10.0-127*
(S) p-Terphenyl-d14	*73.3*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4239151-1 07/01/25 15:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthylene	0.666	0.394	59.2	40.0-120	
Benzidine	1.33	U	0.000	10.0-120	J4
Benzo(g,h,i)perylene	0.666	0.344	51.7	43.0-120	
Bis(2-chlorethoxy)methane	0.666	0.307	46.1	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.370	55.6	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.505	75.8	23.0-120	
4-Bromophenyl-phenylether	0.666	0.398	59.8	40.0-120	
2-Chloronaphthalene	0.666	0.346	52.0	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.394	59.2	40.0-120	
1,2-Dichlorobenzene	0.666	0.333	50.0	32.0-120	
1,3-Dichlorobenzene	0.666	0.316	47.4	30.0-120	
1,4-Dichlorobenzene	0.666	0.339	50.9	31.0-120	
3,3-Dichlorobenzidine	1.33	0.829	62.3	28.0-120	
2,4-Dinitrotoluene	0.666	0.397	59.6	45.0-120	
2,6-Dinitrotoluene	0.666	0.398	59.8	42.0-120	
Hexachlorobenzene	0.666	0.416	62.5	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.290	43.5	15.0-120	
Hexachlorocyclopentadiene	0.666	0.257	38.6	15.0-120	
Hexachloroethane	0.666	0.328	49.2	17.0-120	
Isophorone	0.666	0.337	50.6	23.0-120	
Nitrobenzene	0.666	0.338	50.8	17.0-120	
n-Nitrosodimethylamine	0.666	0.521	78.2	10.0-125	
n-Nitrosodiphenylamine	0.666	0.366	55.0	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.418	62.8	26.0-120	

Laboratory Control Sample (LCS)

(LCS) R4239151-1 07/01/25 15:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Phenanthrene	0.666	0.365	54.8	42.0-120	
Benzylbutyl phthalate	0.666	0.424	63.7	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.446	67.0	41.0-120	
Di-n-butyl phthalate	0.666	0.398	59.8	43.0-120	
Diethyl phthalate	0.666	0.395	59.3	43.0-120	
Dimethyl phthalate	0.666	0.402	60.4	43.0-120	
Di-n-octyl phthalate	0.666	0.439	65.9	40.0-120	
1,2,4-Trichlorobenzene	0.666	0.293	44.0	17.0-120	
4-Chloro-3-methylphenol	0.666	0.324	48.6	28.0-120	
2-Chlorophenol	0.666	0.337	50.6	28.0-120	
2,4-Dichlorophenol	0.666	0.313	47.0	25.0-120	
2,4-Dimethylphenol	0.666	0.317	47.6	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.407	61.1	16.0-120	
2,4-Dinitrophenol	0.666	0.300	45.0	10.0-120	
2-Nitrophenol	0.666	0.311	46.7	20.0-120	
4-Nitrophenol	0.666	0.392	58.9	27.0-120	
Pentachlorophenol	0.666	0.290	43.5	29.0-120	
Phenol	0.666	0.384	57.7	28.0-120	
2,4,6-Trichlorophenol	0.666	0.344	51.7	37.0-120	
(S) 2-Fluorophenol			*63.7*	*12.0-120*	
(S) Phenol-d5			*62.3*	*10.0-120*	
(S) Nitrobenzene-d5			*52.6*	*10.0-122*	
(S) 2-Fluorobiphenyl			*53.8*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*67.0*	*10.0-127*	
(S) p-Terphenyl-d14			*57.1*	*10.0-120*	

L1871603-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871603-13 07/01/25 18:29 • (MS) R4239151-3 07/01/25 18:52 • (MSD) R4239151-4 07/01/25 19:15

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 %
Acenaphthylene	0.751	ND	0.417	0.399	55.5	52.1	1	25.0-120			4.52	32
Benzidine	1.50	ND	ND	ND	0.000	0.000	1	10.0-120	J6	J6	0.000	40
Benzo(g,h,i)perylene	0.751	ND	0.333	0.327	43.2	41.6	1	10.0-120			1.75	33
Bis(2-chlorethoxy)methane	0.751	ND	ND	ND	42.5	40.5	1	10.0-120			2.93	34
Bis(2-chloroethyl)ether	0.751	ND	0.443	0.407	58.9	53.2	1	10.0-120			8.41	40
2,2-Oxybis(1-Chloropropane)	0.751	ND	0.521	0.509	69.3	66.6	1	10.0-120			2.24	40
4-Bromophenyl-phenylether	0.751	ND	0.388	0.404	51.7	52.9	1	27.0-120			4.07	30
2-Chloronaphthalene	0.751	ND	0.360	0.339	47.9	44.3	1	20.0-120			5.94	32

L1871603-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871603-13 07/01/25 18:29 • (MS) R4239151-3 07/01/25 18:52 • (MSD) R4239151-4 07/01/25 19:15

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	0.751	ND	0.393	ND	52.3	49.7	1	24.0-120			3.28	29
1,2-Dichlorobenzene	0.751	ND	ND	ND	45.2	42.2	1	10.0-120			5.22	38
1,3-Dichlorobenzene	0.751	ND	ND	ND	43.7	41.4	1	10.0-120			3.57	40
1,4-Dichlorobenzene	0.751	ND	ND	ND	46.2	43.7	1	10.0-120			3.72	39
3,3-Dichlorobenzidine	1.50	ND	0.512	0.568	34.2	37.1	1	10.0-120			10.5	34
2,4-Dinitrotoluene	0.751	ND	0.423	0.394	56.3	51.5	1	30.0-120			7.05	31
2,6-Dinitrotoluene	0.751	ND	0.408	0.400	54.3	52.3	1	25.0-120			2.00	31
Hexachlorobenzene	0.751	ND	0.414	0.409	55.1	53.5	1	27.0-120			1.12	28
Hexachloro-1,3-butadiene	0.751	ND	ND	ND	38.2	38.4	1	10.0-120			2.38	38
Hexachlorocyclopentadiene	0.751	ND	ND	ND	0.000	0.000	1	10.0-120	J6	J6	0.000	40
Hexachloroethane	0.751	ND	ND	ND	36.0	35.1	1	10.0-120			0.855	40
Isophorone	0.751	ND	ND	ND	45.4	44.7	1	13.0-120			0.337	34
Nitrobenzene	0.751	ND	ND	ND	47.9	45.9	1	10.0-120			2.27	36
n-Nitrosodimethylamine	0.751	ND	0.460	0.460	61.2	60.1	1	10.0-127			0.000	40
n-Nitrosodiphenylamine	0.751	ND	0.391	0.388	52.0	50.8	1	17.0-120			0.592	29
n-Nitrosodi-n-propylamine	0.751	ND	0.441	0.430	58.7	56.2	1	10.0-120			2.65	37
Phenanthrene	0.751	ND	0.375	0.384	49.8	50.2	1	17.0-120			2.43	31
Benzylbutyl phthalate	0.751	ND	0.454	0.446	60.4	58.3	1	23.0-120			1.79	30
Bis(2-ethylhexyl)phthalate	0.751	ND	0.461	0.453	61.3	59.2	1	17.0-126			1.77	30
Di-n-butyl phthalate	0.751	ND	0.444	0.428	59.0	55.9	1	30.0-120			3.70	29
Diethyl phthalate	0.751	ND	0.421	0.391	56.0	51.1	1	26.0-120			7.39	28
Dimethyl phthalate	0.751	ND	0.416	0.387	55.4	50.6	1	25.0-120			7.17	29
Di-n-octyl phthalate	0.751	ND	0.463	0.455	61.7	59.5	1	21.0-123			1.76	29
1,2,4-Trichlorobenzene	0.751	ND	ND	ND	41.1	40.1	1	12.0-120			0.749	37
4-Chloro-3-methylphenol	0.751	ND	ND	ND	46.8	45.2	1	15.0-120			1.65	30
2-Chlorophenol	0.751	ND	ND	ND	46.2	45.6	1	15.0-120			0.662	37
2,4-Dichlorophenol	0.751	ND	ND	ND	43.6	43.7	1	20.0-120			2.09	31
2,4-Dimethylphenol	0.751	ND	ND	ND	41.6	40.4	1	10.0-120			1.11	33
4,6-Dinitro-2-methylphenol	0.751	ND	ND	0.386	50.2	50.5	1	10.0-120			2.42	39
2,4-Dinitrophenol	0.751	ND	ND	ND	44.3	42.8	1	10.0-121			1.75	40
2-Nitrophenol	0.751	ND	ND	ND	48.3	45.0	1	12.0-120			5.21	39
4-Nitrophenol	0.751	ND	0.446	0.438	59.4	57.2	1	10.0-137			1.83	32
Pentachlorophenol	0.751	ND	ND	ND	47.7	45.0	1	10.0-160			3.93	31
Phenol	0.751	ND	ND	ND	45.6	41.9	1	12.0-120			6.61	38
2,4,6-Trichlorophenol	0.751	ND	ND	ND	48.6	48.2	1	19.0-120			0.942	32
(S) 2-Fluorophenol					*54.3*	*53.2*		*12.0-120*				
(S) Phenol-d5					*43.9*	*38.1*		*10.0-120*				
(S) Nitrobenzene-d5					*46.6*	*47.9*		*10.0-122*				
(S) 2-Fluorobiphenyl					*48.5*	*44.3*		*15.0-120*				

L1871603-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871603-13 07/01/25 18:29 • (MS) R4239151-3 07/01/25 18:52 • (MSD) R4239151-4 07/01/25 19:15

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					*64.7*	*66.3*		*10.0-127*				
(S) p-Terphenyl-d14					*52.1*	*49.7*		*10.0-120*				

Method Blank (MB)

(MB) R4237381-2 06/26/25 19:38

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	*116*			*23.0-120*
(S) Nitrobenzene-d5	*107*			*14.0-149*
(S) 2-Fluorobiphenyl	*109*			*34.0-125*

Laboratory Control Sample (LCS)

(LCS) R4237381-1 06/26/25 19:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.103	129	50.0-126	J4
Acenaphthene	0.0800	0.0865	108	50.0-120	
Acenaphthylene	0.0800	0.0931	116	50.0-120	
Benzo(a)anthracene	0.0800	0.108	135	45.0-120	J4
Benzo(a)pyrene	0.0800	0.0961	120	42.0-120	
Benzo(b)fluoranthene	0.0800	0.107	134	42.0-121	J4
Benzo(g,h,i)perylene	0.0800	0.105	131	45.0-125	J4
Benzo(k)fluoranthene	0.0800	0.101	126	49.0-125	J4
Chrysene	0.0800	0.106	133	49.0-122	J4
Dibenz(a,h)anthracene	0.0800	0.108	135	47.0-125	J4
Fluoranthene	0.0800	0.108	135	49.0-129	J4
Fluorene	0.0800	0.0985	123	49.0-120	J4

Laboratory Control Sample (LCS)

(LCS) R4237381-1 06/26/25 19:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Indeno(1,2,3-cd)pyrene	0.0800	0.104	130	46.0-125	J4
Naphthalene	0.0800	0.0871	109	50.0-120	
Phenanthrene	0.0800	0.100	125	47.0-120	J4
Pyrene	0.0800	0.104	130	43.0-123	J4
1-Methylnaphthalene	0.0800	0.0927	116	51.0-121	
2-Methylnaphthalene	0.0800	0.0918	115	50.0-120	
(S) p-Terphenyl-d14			*118*	*23.0-120*	
(S) Nitrobenzene-d5			*117*	*14.0-149*	
(S) 2-Fluorobiphenyl			*116*	*34.0-125*	

Method Blank (MB)

(MB) R4237563-2 06/27/25 17:49

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	*129*	J1		*23.0-120*
(S) Nitrobenzene-d5	*111*			*14.0-149*
(S) 2-Fluorobiphenyl	*118*			*34.0-125*

Laboratory Control Sample (LCS)

(LCS) R4237563-1 06/27/25 17:32

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0715	89.4	50.0-126	
Acenaphthene	0.0800	0.0697	87.1	50.0-120	
Acenaphthylene	0.0800	0.0732	91.5	50.0-120	
Benzo(a)anthracene	0.0800	0.0707	88.4	45.0-120	
Benzo(a)pyrene	0.0800	0.0648	81.0	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0721	90.1	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0745	93.1	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0739	92.4	49.0-125	
Chrysene	0.0800	0.0723	90.4	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0733	91.6	47.0-125	
Fluoranthene	0.0800	0.0759	94.9	49.0-129	
Fluorene	0.0800	0.0767	95.9	49.0-120	

Laboratory Control Sample (LCS)

(LCS) R4237563-1 06/27/25 17:32

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Indeno(1,2,3-cd)pyrene	0.0800	0.0682	85.3	46.0-125	
Naphthalene	0.0800	0.0723	90.4	50.0-120	
Phenanthrene	0.0800	0.0718	89.8	47.0-120	
Pyrene	0.0800	0.0733	91.6	43.0-123	
1-Methylnaphthalene	0.0800	0.0765	95.6	51.0-121	
2-Methylnaphthalene	0.0800	0.0739	92.4	50.0-120	
(S) p-Terphenyl-d14			*125*	*23.0-120*	J1
(S) Nitrobenzene-d5			*115*	*14.0-149*	
(S) 2-Fluorobiphenyl			*120*	*34.0-125*	

L1871611-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871611-11 06/27/25 23:03 • (MS) R4237563-3 06/27/25 23:20 • (MSD) R4237563-4 06/27/25 23:38

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 %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.0848	ND	0.0668	0.0752	78.8	87.8	1	10.0-145			11.8	30
Acenaphthene	0.0848	ND	0.0625	0.0731	73.7	85.3	1	14.0-127			15.6	27
Acenaphthylene	0.0848	ND	0.0669	0.0771	78.9	89.9	1	21.0-124			14.1	25
Benzo(a)anthracene	0.0848	ND	0.0724	0.0815	85.4	95.1	1	10.0-139			11.7	30
Benzo(a)pyrene	0.0848	ND	0.0739	0.0827	87.2	96.5	1	10.0-141			11.1	31
Benzo(b)fluoranthene	0.0848	ND	0.0731	0.0814	86.2	95.0	1	10.0-140			10.7	36
Benzo(g,h,i)perylene	0.0848	ND	0.0703	0.0776	82.9	90.6	1	10.0-140			9.90	33
Benzo(k)fluoranthene	0.0848	ND	0.0693	0.0773	81.7	90.2	1	10.0-137			10.9	31
Chrysene	0.0848	ND	0.0751	0.0828	88.6	96.6	1	10.0-145			9.68	30
Dibenz(a,h)anthracene	0.0848	ND	0.0691	0.0751	81.5	87.7	1	10.0-132			8.36	31
Fluoranthene	0.0848	ND	0.0782	0.0874	92.3	102	1	10.0-153			11.0	33
Fluorene	0.0848	ND	0.0673	0.0796	79.3	93.0	1	11.0-130			16.8	29
Indeno(1,2,3-cd)pyrene	0.0848	ND	0.0692	0.0777	81.6	90.7	1	10.0-137			11.6	32
Naphthalene	0.0848	ND	0.0704	0.0861	83.0	101	1	10.0-135			20.1	27
Phenanthrene	0.0848	ND	0.0683	0.0761	80.6	88.8	1	10.0-144			10.7	31
Pyrene	0.0848	ND	0.0749	0.0844	88.3	98.5	1	10.0-148			11.9	35
1-Methylnaphthalene	0.0848	ND	0.0715	0.0810	84.3	94.6	1	10.0-142			12.6	28
2-Methylnaphthalene	0.0848	ND	0.0700	0.0819	82.5	95.6	1	10.0-137			15.7	28
(S) p-Terphenyl-d14					*105*	*119*		*23.0-120*				
(S) Nitrobenzene-d5					*99.8*	*113*		*14.0-149*				
(S) 2-Fluorobiphenyl					*98.5*	*117*		*34.0-125*				

Method Blank (MB)

(MB) R4238616-2 06/30/25 15:17

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	*124*	J1		*23.0-120*
(S) Nitrobenzene-d5	*105*			*14.0-149*
(S) 2-Fluorobiphenyl	*96.5*			*34.0-125*

Laboratory Control Sample (LCS)

(LCS) R4238616-1 06/30/25 14:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0585	73.1	50.0-126	
Acenaphthene	0.0800	0.0611	76.4	50.0-120	
Acenaphthylene	0.0800	0.0582	72.8	50.0-120	
Benzo(a)anthracene	0.0800	0.0576	72.0	45.0-120	
Benzo(a)pyrene	0.0800	0.0578	72.3	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0681	85.1	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0738	92.3	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0689	86.1	49.0-125	
Chrysene	0.0800	0.0699	87.4	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0747	93.4	47.0-125	
Fluoranthene	0.0800	0.0647	80.9	49.0-129	
Fluorene	0.0800	0.0657	82.1	49.0-120	

Laboratory Control Sample (LCS)

(LCS) R4238616-1 06/30/25 14:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Indeno(1,2,3-cd)pyrene	0.0800	0.0670	83.8	46.0-125	
Naphthalene	0.0800	0.0652	81.5	50.0-120	
Phenanthrene	0.0800	0.0636	79.5	47.0-120	
Pyrene	0.0800	0.0698	87.3	43.0-123	
1-Methylnaphthalene	0.0800	0.0653	81.6	51.0-121	
2-Methylnaphthalene	0.0800	0.0630	78.8	50.0-120	
(S) p-Terphenyl-d14			*144*	*23.0-120*	J1
(S) Nitrobenzene-d5			*118*	*14.0-149*	
(S) 2-Fluorobiphenyl			*114*	*34.0-125*	

L1872877-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1872877-14 06/30/25 21:11 • (MS) R4238616-3 06/30/25 21:29 • (MSD) R4238616-4 06/30/25 21:46

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 %
Anthracene	0.101	ND	0.0814	0.0718	80.9	71.4	1	10.0-145			12.5	30
Acenaphthene	0.101	ND	0.0794	0.0699	79.0	69.5	1	14.0-127			12.8	27
Acenaphthylene	0.101	ND	0.0815	0.0710	81.1	70.6	1	21.0-124			13.8	25
Benzo(a)anthracene	0.101	ND	0.0822	0.0722	81.7	71.8	1	10.0-139			12.9	30
Benzo(a)pyrene	0.101	ND	0.0853	0.0747	84.8	74.2	1	10.0-141			13.3	31
Benzo(b)fluoranthene	0.101	ND	0.0791	0.0702	78.6	69.8	1	10.0-140			11.8	36
Benzo(g,h,i)perylene	0.101	ND	0.0885	0.0774	88.0	76.9	1	10.0-140			13.4	33
Benzo(k)fluoranthene	0.101	ND	0.0820	0.0718	81.6	71.4	1	10.0-137			13.3	31
Chrysene	0.101	ND	0.0897	0.0787	89.2	78.2	1	10.0-145			13.1	30
Dibenz(a,h)anthracene	0.101	ND	0.0923	0.0814	91.8	80.9	1	10.0-132			12.5	31
Fluoranthene	0.101	ND	0.0890	0.0784	88.5	78.0	1	10.0-153			12.7	33
Fluorene	0.101	ND	0.0839	0.0732	83.4	72.8	1	11.0-130			13.5	29
Indeno(1,2,3-cd)pyrene	0.101	ND	0.0846	0.0756	84.1	75.1	1	10.0-137			11.3	32
Naphthalene	0.101	ND	0.0849	0.0767	84.4	76.3	1	10.0-135			10.1	27
Phenanthrene	0.101	ND	0.0820	0.0704	81.6	70.0	1	10.0-144			15.3	31
Pyrene	0.101	ND	0.0883	0.0771	87.8	76.7	1	10.0-148			13.5	35
1-Methylnaphthalene	0.101	ND	0.0850	0.0750	84.5	74.6	1	10.0-142			12.5	28
2-Methylnaphthalene	0.101	ND	0.0810	0.0722	80.5	71.8	1	10.0-137			11.5	28
(S) p-Terphenyl-d14					*145*	*124*		*23.0-120*	J1	J1		
(S) Nitrobenzene-d5					*131*	*118*		*14.0-149*				
(S) 2-Fluorobiphenyl					*119*	*104*		*34.0-125*				

L1871603-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871603-13 06/30/25 22:58 • (MS) R4238616-5 06/30/25 23:15 • (MSD) R4238616-6 06/30/25 23:33

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 %
Anthracene	0.0913	ND	0.0702	0.0700	76.9	76.6	1	10.0-145			0.329	30
Acenaphthene	0.0913	ND	0.0691	0.0703	75.8	77.0	1	14.0-127			1.65	27
Acenaphthylene	0.0913	ND	0.0719	0.0720	78.8	78.9	1	21.0-124			0.160	25
Benzo(a)anthracene	0.0913	0.00848	0.0801	0.0815	78.5	80.0	1	10.0-139			1.71	30
Benzo(a)pyrene	0.0913	ND	0.0865	0.0860	94.8	94.2	1	10.0-141			0.668	31
Benzo(b)fluoranthene	0.0913	ND	0.0887	0.0879	97.2	96.3	1	10.0-140			0.913	36
Benzo(g,h,i)perylene	0.0913	ND	0.0920	0.0900	101	98.6	1	10.0-140			2.15	33
Benzo(k)fluoranthene	0.0913	ND	0.0830	0.0800	90.9	87.6	1	10.0-137			3.68	31
Chrysene	0.0913	ND	0.0962	0.0928	105	102	1	10.0-145			3.66	30
Dibenz(a,h)anthracene	0.0913	ND	0.0847	0.0826	92.8	90.5	1	10.0-132			2.48	31
Fluoranthene	0.0913	ND	0.0980	0.101	107	110	1	10.0-153			2.67	33
Fluorene	0.0913	ND	0.0736	0.0727	80.7	79.7	1	11.0-130			1.26	29
Indeno(1,2,3-cd)pyrene	0.0913	ND	0.0839	0.0824	91.9	90.3	1	10.0-137			1.80	32
Naphthalene	0.0913	ND	0.0787	0.0774	86.2	84.8	1	10.0-135			1.62	27
Phenanthrene	0.0913	ND	0.0761	0.0757	83.3	83.0	1	10.0-144			0.456	31
Pyrene	0.0913	ND	0.100	0.101	110	111	1	10.0-148			1.26	35
1-Methylnaphthalene	0.0913	ND	0.0771	0.0761	84.5	83.3	1	10.0-142			1.35	28
2-Methylnaphthalene	0.0913	ND	0.0742	0.0721	81.3	79.0	1	10.0-137			2.83	28
(S) p-Terphenyl-d14					*144*	*136*		*23.0-120*	J1	J1		
(S) Nitrobenzene-d5					*131*	*127*		*14.0-149*				
(S) 2-Fluorobiphenyl					*118*	*114*		*34.0-125*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

(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.
C4	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.

GLOSSARY OF TERMS

Qualifier	Description
C7	The initial calibration verification standard (SSCV) associated with this data responded high.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
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.
Q	Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.
U	Below Detectable Limits: Indicates that the analyte was not detected.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

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

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

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

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

LAB USE ONLY- Affix Workorder/Login Label Here

J043

Scan QR Code for instructions

L1871603

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; tmcmullin@cteh.com; ahenault@cteh.com
	Cc E-Mail: ecatlin@cteh.com; mklinkerman@cteh.com
Customer Project #: PROJ-054017	Invoice to: CTEH
Project Name: Bishop LOC	Invoice E-mail: ctehap@montrose-env.com
Site Collection Info/Facility ID (as applicable): Galeton, CO	Purchase Order # (if applicable):
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [X] MT [ ] CT [ ] ET	County / State origin of sample(s): CO
Data Deliverables: [X] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [X] Other 5 Day
	Date Results Requested:
	DW PWSID # or WW Permit # as applicable:
	Field Filtered (if applicable): [ ] Yes [ ] No
	Analysis:

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Specify Container Size **

8oz	8oz	8oz	8oz	8oz	8oz	10	6	8oz

Identify Container Preservative Type***

1	1	1	1	1	1	1	4	1

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	VOCs 8260D; TPH-GRO/DRO/ORO 8015D	SVOCs 8270E; PAH 8270E SIM	Metals 6010D, 6020B, Cr6 7199	Total N/TKN/N+N/NH3 EPA 350.1, 351.2, 9056A, 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	VOCs 8260D	MS/MSD	Sample Comment
GACO0619T172-1CRS001	SS	G	-	-	6/19/2025	8:10	5	-	-	X	X	X	X	X	X	X	-	-	-01 -21
GACO0619T172-1CRS002	SS	G	-	-	6/19/2025	8:25	5	-	-	X	X	X	X	X	X	X	-	-	-02 -22
GACO0619T172-1CRS003	SS	G	-	-	6/19/2025	8:15	5	-	-	X	X	X	X	X	X	X	-	-	-03 -23
GACO0619T172-1CRT001	OT	-	-	-	6/19/2025	7:00	2	-	-	-	-	-	-	-	-	-	X	-	-04

Lab Use Only

Proj. Mgr: 546-Jared Starkey

AcctNum / Client ID: CTEHER

Table #:

Profile / Template: T275920

Prelog / Bottle Ord. ID: P1156679

Preservation non-conformance identified for sample.

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

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

Sample Receipt Checklist

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

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, Tl, V; Metals by 6020B: As, Ba, Cd, Cu, Pb, Ni, Se, Ag, Zn

Collected By: Printed Name: Shane Bragg Signature:

Customer Remarks / Special Conditions / Possible Hazards:

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Shane Bragg/ Montrose/	6-19-25 0930	Pace	6-19-25	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time: 6/20/25 1000	Delivered by: [ ] In- Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 5

2500 cpm

GACO0619T172-1CRS

Pace® Location Requested (City/State):

Pace National, 12065 Lebanon Road, Mt. Juliet, TN 37122

CHAIN-OF-CUSTODY Analytical Request Document

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L1871603

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; tmcmullin@cteh.com; ahenault@cteh.com
	Cc E-Mail: ecatlin@cteh.com; mklinkerman@cteh.com
Customer Project #: PROJ-054017	Invoice to: CTEH
Project Name: Bishop LOC	Invoice E-mail: ctehap@montrose-env.com
Site Collection Info/Facility ID (as applicable): Galeton, CO	Purchase Order # (if applicable):
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [X] MT [ ] CT [ ] ET	County / State origin of sample(s): CO
Data Deliverables: [X] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [X] Other 5 Day
	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)

Specify Container Size **: 8oz | 8oz | 8oz | 8oz | 8oz | 8oz | 10 | 6 | 8oz

Identify Container Preservative Type***: 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	VOCs 8260D; TPH-GRO/DRO/ORO 8015D	SVOCs 8270E; PAH 8270E SIM	Metals 6010D, 6020B, Cr6 7199	Total N/TKN/N+N/NH3 EPA 350.1, 351.2, 9056A, 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	VOCs 8260D	MS/MSD	Lab Use Only	Sample Comment	Preservation non-conformance identified for sample.
GAC00619T172-1CRS004	SS	G	-	-	6/19/2025	8:10	5	-	-	X	X	X	X	X	X	X	-	-		-05 -24	
GAC00619T172-1CRC004	SS	G	-	-	6/19/2025	8:10	5	-	-	X	X	X	X	X	X	X	-	-		-06 -25	
GAC00619T172-1CRS005	SS	G	-	-	6/19/2025	8:35	5	-	-	X	X	X	X	X	X	X	-	-	NB	-07 '26	
GAC00619T172-1CRT002	OT	-	-	-	6/19/2025	7:00	2	-	-	-	-	-	-	-	-	-	X	-		-08	

NB

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

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

Lab Use Only

Proj. Mgr: 546-Jared Starkey

AcctNum / Client ID: CTEHER

Table #:

Profile / Template: T275920

Prelog / Bottle Ord. ID: P1156679

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, Tl, V; Metals by 6020B: As, Ba, Cd, Cu, Pb, Ni, Se, Ag, Zn

Collected By: Printed Name Nathan Bowser Signature

Customer Remarks / Special Conditions / Possible Hazards:

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Monhoxx	6/19/25 925		6/20/25 1000	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In- Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 2 of 5

GAC00619T172-1CRS

Pace® Location Requested (City/State):

Pace National, 12065 Lebanon Road, Mt. Juliet, TN 37122

CHAIN-OF-CUSTODY Analytical Request Document

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L1871603

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; tmcmullin@cteh.com; ahenault@cteh.com

Cc E-Mail: ecatlin@cteh.com; mklinkerman@cteh.com

Customer Project #: PROJ-054017

Invoice to: CTEH

Project Name: Bishop LOC

Invoice E-mail: ctehap@montrose-env.com

Site Collection Info/Facility ID (as applicable): Galeton, CO

Purchase Order # (if applicable):

Quote #:

Time Zone Collected: [ ] AK [ ] PT [X] MT [ ] CT [ ] ET

County / State origin of sample(s): CO

Data Deliverables: [X] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [X] Other 5 Day

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)

Specify Container Size **: 8oz | 8oz | 8oz | 8oz | 8oz | 8oz | 10 | 6 | 8oz

Identify Container Preservative Type***: 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1

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

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

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	VOCs 8260D; TPH-GRO/DRO/ORO 8015D	SVOCs 8270E; PAH 8270E SIM	Metals 6010D, 6020B, Cr6 7199	Total N/TKN/N+N/NH3 EPA 350.1, 351.2, 9056A, 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	VOCs 8260D	MS/MSD	Sample Comment
GAC00619T172-1CRS006	SS	G	-	-	6/19/2025	8:55	5	-	-	X	X	X	X	X	X	X	-	-	-09 -27
GAC00619T172-1CRC006	SS	G	-	-	6/19/2025	8:55	5	-	-	X	X	X	X	X	X	X	-	-	-10 -28
GAC00619T172-1CRS007	SS	G	-	-	6/19/2025	8:45	5	-	-	X	X	X	X	X	X	X	-	-	-11 -29
GAC00619T172-1CRT003	OT	-	-	-	6/19/2025	7:00	2	-	-	-	-	-	-	-	-	-	X	-	-12

RG

RG

Lab Use Only: Proj. Mgr: 546-Jared Starkey; AcctNum / Client ID: CTEHER; Table #:; Profile / Template: T275920; Prelog / Bottle Ord. ID: P1156679

Preservation non-conformance identified for sample.

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, Tl, V; Metals by 6020B: As, Ba, Cd, Cu, Pb, Ni, Se, Ag, Zn

Collected By: Printed Name: Riley Garlinghouse Signature:

Customer Remarks / Special Conditions / Possible Hazards:

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Montrose			6/20/25 1000
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

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

GAC00619T172-1CRS

Pace® Location Requested (City/State): Pace National, 12065 Lebanon Road, Mt. Juliet, TN 37122

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L1871603

Company Name: CTEH, LLC

Street Address: 5120 North Shore Drive, North Little Rock, AR 72118

Contact/Report To: Chevron-Bishop, Kyle Lawrence, Tami McMullin, Andy Henault, Eric Catlin, Madelyn Klinkerman

Phone #:

E-Mail: chevron_bishop@cteh.com; kylelawrence@cteh.com; tmcmullin@cteh.com; ahenault@cteh.com

Cc E-Mail: ecatlin@cteh.com; mklinkerman@cteh.com

Customer Project #: PROJ-054017

Invoice to: CTEH

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Invoice E-mail: ctehap@montrose-env.com

Site Collection Info/Facility ID (as applicable): Galeton, CO

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County / State origin of sample(s): CO

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Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [X] Other 5 Day

Date Results Requested:

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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)

Specify Container Size **: 8oz | 8oz | 8oz | 8oz | 8oz | 8oz | 10 | 6 | 8oz

Identify Container Preservative Type***: 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1

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

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

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	VOCs 8260D; TPH-GRO/DRO/ORO 8015D	SVOCs 8270E; PAH 8270E SIM	Metals 6010D, 6020B, Cr6 7199	Total N/TKN/N+N/NH3 EPA 350.1, 351.2, 9056A, 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	VOCs 8260D	MS/MSD	Sample Comment
GAC00619T172-1CRS008	SS	G	-	-	6/19/2025	8:25	13	-	-	X	X	X	X	X	X	X	-	X	Volume provided for Matrix Spike/Matrix Spike Duplicate -13 -30
GAC00619T172-1CRS009	SS	G	-	-	6/19/2025	8:45	5	-	-	X	X	X	X	X	X	X	-	-	-14 -31
GAC00619T172-1CRT004	OT	-	-	-	6/19/2025	7:00	2	-	-	-	-	-	-	-	-	-	X	-	-15

NS

Lab Use Only: Proj. Mgr: 546-Jared Starkey; AcctNum / Client ID: CTEHER; Table #:; Profile / Template: T275920; Prelog / Bottle Ord. ID: P1156679

Preservation non-conformance identified for sample.

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, Tl, V; Metals by 6020B: As, Ba, Cd, Cu, Pb, Ni, Se, Ag, Zn

Collected By: Printed Name: Nathan Baker; Signature:

Customer Remarks / Special Conditions / Possible Hazards:

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Montrose	6/19/25 925		6/20/25 1000
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

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

GAC00619T172-1CRS

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

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

L1871603

Company Name: CTEH, LLC

Street Address: 5120 North Shore Drive, North Little Rock, AR 72118

Contact/Report To: Chevron-Bishop, Kyle Lawrence, Tami McMullin, Andy Henault, Eric Catlin, Madelyn Klinkerman

Phone #:

E-Mail: chevron_bishop@cteh.com; kylelawrence@cteh.com; tmcmullin@cteh.com; ahenault@cteh.com

Cc E-Mail: ecatlin@cteh.com; mklinkerman@cteh.com

Customer Project #: PROJ-054017

Invoice to: CTEH

Project Name: Bishop LOC

Invoice E-mail: ctehap@montrose-env.com

Site Collection Info/Facility ID (as applicable): Galeton, CO

Purchase Order # (if applicable):

Quote #:

Time Zone Collected: [ ] AK [ ] PT [X] MT [ ] CT [ ] ET

County / State origin of sample(s): CO

Data Deliverables: [X] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [X] Other 5 Day

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)

Specify Container Size **: 8oz | 8oz | 8oz | 8oz | 8oz | 8oz | 10 | 6 | 8oz

Identify Container Preservative Type***: 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1

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

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

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	VOCs 8260D; TPH-GRO/DRO/ORO 8015D	SVOCs 8270E; PAH 8270E SIM	Metals 6010D, 6020B, Cr6 7199	Total N/TKN/N+N/NH3 EPA 350.1, 351.2, 9056A, 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	VOCs 8260D	MS/MSD	Sample Comment
GACO0619T172-1CRS010	SS	G	-	-	6/19/2025	8:35	5	-	-	X	X	X	X	X	X	X	-	-	-16 -32
GACO0619T172-1CRS011	SS	G	-	-	6/19/2025	8:30	5	-	-	X	X	X	X	X	X	X	-	-	-17 -33
GACO0619T172-1CRS012	SS	G	-	-	6/19/2025	8:40	5	-	-	X	X	X	X	X	X	X	-	-	-18 -34
GACO0619T172-1CRS013	SS	G	-	-	6/19/2025	8:25	5	-	-	X	X	X	X	X	X	X	-	-	-19 -35
GACO0619T172-1CRT005	OT	-	-	-	6/19/2025	7:00	2	-	-	-	-	-	-	-	-	-	X	-	-20

RG

RG

Lab Use Only: Proj. Mgr: 546-Jared Starkey; AcctNum / Client ID: CTEHER; Table #:; Profile / Template: T275920; Prelog / Bottle Ord. ID: P1156679

Preservation non-conformance identified for sample.

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, Tl, V; Metals by 6020B: As, Ba, Cd, Cu, Pb, Ni, Se, Ag, Zn

Collected By: Printed Name: Riley Garlinghouse Signature:

Customer Remarks / Special Conditions / Possible Hazards:

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Montrose			6/20/25 1000
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

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

GACO0619T172-1CRS

Multiple Parcel Form L# L1871603

Parcel Tracking Number	Infrared Thermometer ID	Temperature Reading (°C)	Correction Factor (°C)	Corrected Temperature (°C)	Custody Seal Intact
526Den2939132S	AP	1.1	+0.4	= 1.5	Yes / No / Not Present
		0.1		= 0.5	Yes / No / Not Present
		1.0		= 1.4	Yes / No / Not Present
		4.9		= 5.3	Yes / No / Not Present
		1.2		= 1.6	Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present

Name

Date