ANALYTICAL REPORT

September 16, 2025

Pace Analytical Services, LLC
2025.09.16 23:02:10 -05'00'
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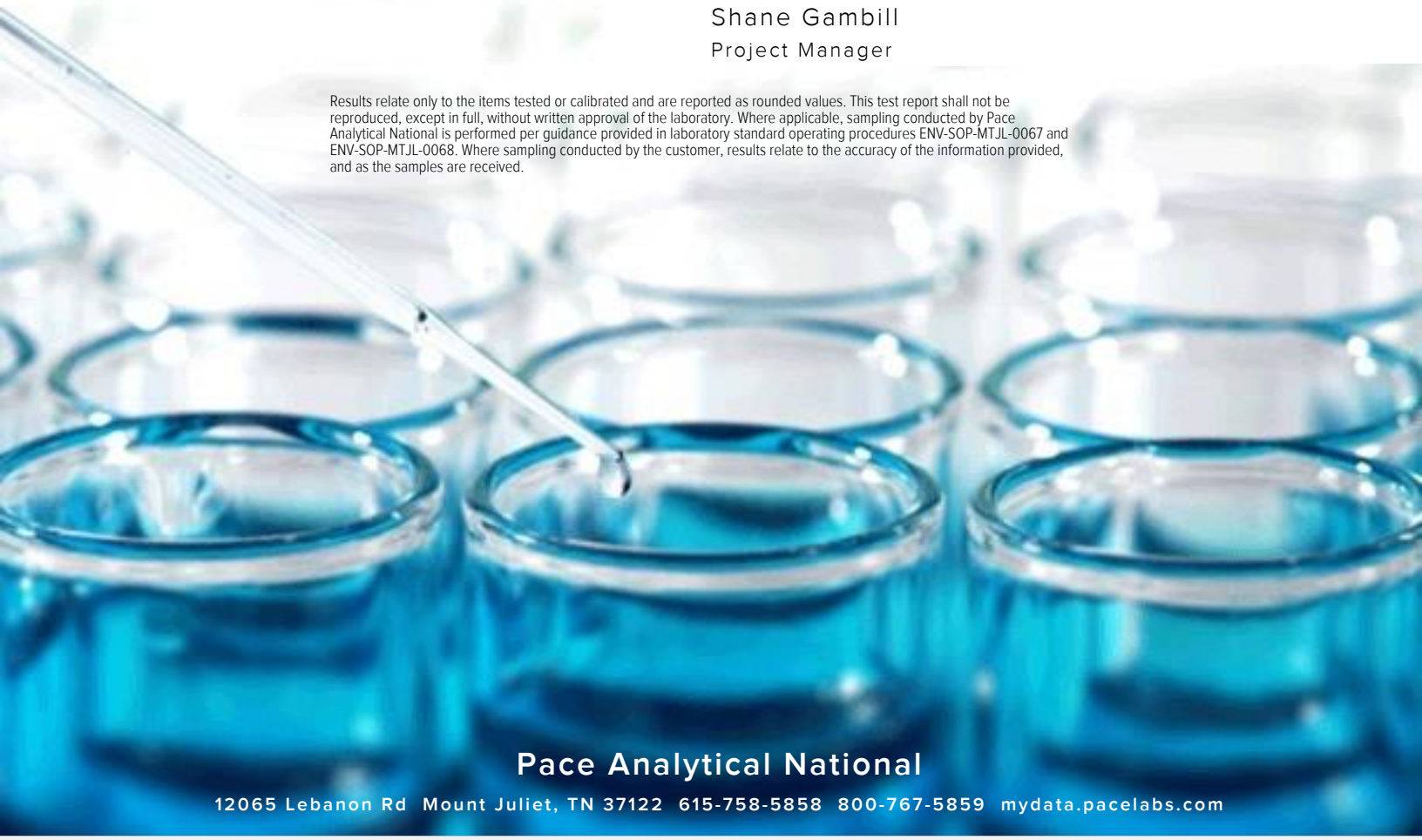
CTEH - ER

Sample Delivery Group:	L1889504
Samples Received:	08/16/2025
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:

Shane Gambill
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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GACO0815T208-1CRS009 L1889504-01

Collected by: Farrah Hanger | Collected date/time: 08/15/25 12:40 | Received date/time: 08/16/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2582953	1	08/20/25 07:23	08/20/25 07:23	MAP	Mt. Juliet, TN
Calculated Results	WG2581505	1	08/17/25 12:30	08/25/25 18:55	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2581748	1	08/18/25 13:19	08/18/25 13:30	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2581842	1	08/19/25 08:12	08/19/25 22:18	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2585770	5	08/22/25 19:16	08/25/25 18:55	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2590692	1	09/04/25 10:00	09/04/25 19:10	ERP	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2586981	1	08/25/25 09:44	08/25/25 10:55	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2583506	1	08/20/25 15:17	08/20/25 19:45	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2581505	1.03	08/17/25 12:30	08/17/25 15:36	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2581621	5	08/21/25 09:26	08/21/25 14:20	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2582195	1	08/19/25 17:03	08/20/25 09:28	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2582970	1	08/19/25 17:12	08/20/25 12:05	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2582170	5	08/19/25 16:59	08/20/25 12:15	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2581370	25	08/16/25 15:50	08/17/25 06:08	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2581339	2	08/16/25 15:50	08/17/25 11:03	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2582610	5	08/20/25 08:08	08/21/25 02:34	HCS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2582648	2	08/20/25 16:29	08/21/25 19:31	VDR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2583077	1	08/20/25 05:46	08/21/25 06:05	AMM	Mt. Juliet, TN

GACO0815T208-1CRS010 L1889504-02

Collected by: Farrah Hanger | Collected date/time: 08/15/25 12:00 | Received date/time: 08/16/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2582953	1	08/20/25 07:25	08/20/25 07:25	MAP	Mt. Juliet, TN
Calculated Results	WG2581505	1	08/17/25 12:30	08/25/25 18:56	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2581748	1	08/18/25 13:19	08/18/25 13:30	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2581842	1	08/19/25 08:12	08/19/25 22:19	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2585770	5	08/22/25 19:16	08/25/25 18:56	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2590692	1	09/04/25 10:00	09/04/25 19:37	JD	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2583504	1	08/20/25 15:16	08/20/25 16:08	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2583506	1	08/20/25 15:17	08/20/25 19:45	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2581505	5.05	08/17/25 12:30	08/17/25 15:50	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2581621	5	08/21/25 09:26	08/21/25 14:20	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2582195	1	08/19/25 17:03	08/20/25 09:29	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2582970	1	08/19/25 17:12	08/20/25 12:08	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2582170	5	08/19/25 16:59	08/20/25 12:18	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2581370	25	08/16/25 15:50	08/17/25 06:35	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2581339	1	08/16/25 15:50	08/17/25 10:43	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2582610	1	08/20/25 08:08	08/22/25 00:49	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2582648	2	08/20/25 16:29	08/21/25 19:54	VDR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2583077	1	08/20/25 05:46	08/21/25 05:47	AMM	Mt. Juliet, TN

GACO0815T208-1CRS011 L1889504-03

Collected by: Farrah Hanger | Collected date/time: 08/15/25 12:15 | Received date/time: 08/16/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2582953	1	08/20/25 07:28	08/20/25 07:28	MAP	Mt. Juliet, TN
Calculated Results	WG2581505	1	08/17/25 12:30	08/25/25 18:58	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2581748	1	08/18/25 13:19	08/18/25 13:30	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2581842	1	08/19/25 08:12	08/19/25 22:21	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2585770	5	08/22/25 19:16	08/25/25 18:58	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2590692	1	09/04/25 10:00	09/04/25 19:46	ERP	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2583504	1	08/20/25 15:16	08/20/25 16:08	BJM	Mt. Juliet, TN

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

GACO0815T208-1CRS011 L1889504-03

Collected by: Farrah Hanger | Collected date/time: 08/15/25 12:15 | Received date/time: 08/16/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9050AMod (S-1.20)	WG2583506	1	08/20/25 15:17	08/20/25 19:45	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2581505	5	08/17/25 12:30	08/17/25 16:03	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2582717	5	08/19/25 11:56	08/21/25 23:23	DLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2582195	1	08/19/25 17:03	08/20/25 09:31	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2582970	1	08/19/25 17:12	08/20/25 12:11	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2582170	5	08/19/25 16:59	08/20/25 12:21	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2581370	25	08/16/25 15:50	08/17/25 07:00	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2581339	1	08/16/25 15:50	08/17/25 10:22	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2582610	200	08/20/25 08:08	08/21/25 04:47	HCS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2582648	10	08/20/25 16:29	08/21/25 22:10	VDR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2583077	1	08/20/25 05:46	08/21/25 13:17	DMG	Mt. Juliet, TN

GACO0815T208-1CRC011 L1889504-04

Collected by: Farrah Hanger | Collected date/time: 08/15/25 12:15 | Received date/time: 08/16/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2582953	1	08/20/25 07:31	08/20/25 07:31	MAP	Mt. Juliet, TN
Calculated Results	WG2581505	1	08/17/25 12:30	08/25/25 19:00	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2581748	1	08/18/25 13:19	08/18/25 13:30	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2581842	1	08/19/25 08:12	08/19/25 22:22	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2585770	5	08/22/25 19:16	08/25/25 19:00	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2590692	1	09/04/25 10:00	09/04/25 19:55	ERP	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2583504	1	08/20/25 15:16	08/20/25 16:08	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2583506	1	08/20/25 15:17	08/20/25 19:45	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2581505	1	08/17/25 12:30	08/17/25 16:17	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2581621	4	08/21/25 09:26	08/21/25 14:20	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2582195	1	08/19/25 17:03	08/20/25 09:36	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2582970	1	08/19/25 17:12	08/20/25 12:21	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2582170	5	08/19/25 16:59	08/20/25 12:37	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2581370	25	08/16/25 15:50	08/17/25 07:25	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2581339	1	08/16/25 15:50	08/17/25 10:02	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2582610	20	08/20/25 08:08	08/21/25 15:18	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2582648	10	08/20/25 16:29	08/21/25 20:39	VDR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2583077	1	08/20/25 05:46	08/20/25 23:29	DMG	Mt. Juliet, TN

GACO0815T208-1CRT004 L1889504-05

Collected by: Farrah Hanger | Collected date/time: 08/15/25 07:00 | Received date/time: 08/16/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2581309	1	08/16/25 19:08	08/16/25 19:08	ACG	Mt. Juliet, TN

GACO0815T208-1CRS001 L1889504-06

Collected by: Farrah Hanger | Collected date/time: 08/15/25 11:30 | Received date/time: 08/16/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2582953	1	08/20/25 07:34	08/20/25 07:34	MAP	Mt. Juliet, TN
Calculated Results	WG2581505	1	08/17/25 12:30	08/25/25 21:04	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2581749	1	08/18/25 13:32	08/18/25 13:45	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2581842	1	08/19/25 08:12	08/19/25 22:24	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2586477	1	08/24/25 09:29	08/25/25 21:04	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2590692	1	09/04/25 10:00	09/04/25 20:04	ERP	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2583520	1	08/20/25 15:18	08/20/25 16:10	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2583523	1	08/20/25 15:19	08/20/25 20:15	KRB	Mt. Juliet, TN

GACO0815T208-1CRS001 L1889504-06

Collected by: Farrah Hanger | Collected date/time: 08/15/25 11:30 | Received date/time: 08/16/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2581505	1	08/17/25 12:30	08/17/25 16:30	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2581621	5	08/21/25 09:26	08/21/25 14:21	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2582202	1	08/19/25 06:53	08/19/25 14:21	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2582970	1	08/19/25 17:12	08/20/25 12:27	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2582163	5	08/19/25 06:51	08/19/25 15:14	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2581370	25	08/16/25 15:50	08/17/25 07:50	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2581339	1	08/16/25 15:50	08/17/25 09:41	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2582610	50	08/20/25 08:08	08/21/25 03:54	HCS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2582648	10	08/20/25 16:29	08/21/25 21:02	VDR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2583077	1	08/20/25 05:46	08/20/25 23:49	DMG	Mt. Juliet, TN

GACO0815T208-1CRS012 L1889504-07

Collected by: Farrah Hanger | Collected date/time: 08/15/25 13:00 | Received date/time: 08/16/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2582953	1	08/20/25 07:37	08/20/25 07:37	MAP	Mt. Juliet, TN
Calculated Results	WG2581505	1	08/17/25 12:30	08/25/25 19:02	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2581749	1	08/18/25 13:32	08/18/25 13:45	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2581842	1	08/19/25 08:12	08/19/25 22:28	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2585770	5	08/22/25 19:16	08/25/25 19:02	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2590692	1	09/04/25 10:00	09/04/25 20:49	ERP	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2583520	1	08/20/25 15:18	08/20/25 16:10	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2583523	1	08/20/25 15:19	08/20/25 20:15	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2581505	5.05	08/17/25 12:30	08/17/25 17:10	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2582717	5	08/19/25 11:56	08/21/25 23:24	DLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2582195	1	08/19/25 17:03	08/20/25 09:38	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2582970	1	08/19/25 17:12	08/20/25 12:24	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2582170	5	08/19/25 16:59	08/20/25 12:40	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2581370	25	08/16/25 15:50	08/17/25 08:21	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2581339	1	08/16/25 15:50	08/17/25 09:21	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2582610	1	08/20/25 08:08	08/22/25 00:23	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2582648	1	08/20/25 16:29	08/21/25 16:27	VDR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2583077	1	08/20/25 05:46	08/21/25 03:26	AMM	Mt. Juliet, TN

GACO0815T208-1CRT001 L1889504-08

Collected by: Farrah Hanger | Collected date/time: 08/15/25 07:00 | Received date/time: 08/16/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2581309	1	08/16/25 19:29	08/16/25 19:29	ACG	Mt. Juliet, TN

GACO0815T208-1CRS002 L1889504-09

Collected by: Farrah Hanger | Collected date/time: 08/15/25 12:00 | Received date/time: 08/16/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2582953	1	08/20/25 07:46	08/20/25 07:46	MAP	Mt. Juliet, TN
Calculated Results	WG2581505	1	08/17/25 12:30	08/25/25 19:04	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2581749	1	08/18/25 13:32	08/18/25 13:45	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2581842	1	08/19/25 08:12	08/19/25 22:54	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2585770	5	08/22/25 19:16	08/25/25 19:04	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2590692	1	09/04/25 10:00	09/04/25 20:58	ERP	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2583520	1	08/20/25 15:18	08/20/25 16:10	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2583523	1	08/20/25 15:19	08/20/25 20:15	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2581505	1	08/17/25 12:30	08/17/25 17:24	DLH	Mt. Juliet, TN

GACO0815T208-1CRS002 L1889504-09

Collected by: Farrah Hanger | Collected date/time: 08/15/25 12:00 | Received date/time: 08/16/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method WALKLEY-BLACK	WG2581621	5	08/21/25 09:26	08/21/25 14:21	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2582195	1	08/19/25 17:03	08/20/25 09:39	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2582970	1	08/19/25 17:12	08/20/25 12:30	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2582170	5	08/19/25 16:59	08/20/25 12:43	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2581370	25	08/16/25 15:50	08/17/25 09:02	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2581339	1	08/16/25 15:50	08/17/25 09:01	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2582610	20	08/20/25 08:08	08/21/25 03:01	HCS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2582648	2	08/20/25 16:29	08/21/25 20:17	VDR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2583077	1	08/20/25 05:46	08/20/25 23:09	ADF	Mt. Juliet, TN

GACO0815T208-1CRS003 L1889504-10

Collected by: Farrah Hanger | Collected date/time: 08/15/25 12:10 | Received date/time: 08/16/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2582953	1	08/20/25 07:49	08/20/25 07:49	MAP	Mt. Juliet, TN
Calculated Results	WG2581505	1	08/17/25 12:30	08/25/25 19:06	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2581749	1	08/18/25 13:32	08/18/25 13:45	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2581842	1	08/19/25 08:12	08/19/25 22:56	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2585770	5	08/22/25 19:16	08/25/25 19:06	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2590692	1	09/04/25 10:00	09/04/25 21:25	ERP	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2583520	1	08/20/25 15:18	08/20/25 16:10	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2583523	1	08/20/25 15:19	08/20/25 20:15	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2581505	1	08/17/25 12:30	08/17/25 17:37	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2581621	5	08/21/25 09:26	08/21/25 14:21	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2582195	1	08/19/25 17:03	08/20/25 09:41	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2582970	1	08/19/25 17:12	08/20/25 12:33	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2582170	5	08/19/25 16:59	08/20/25 12:47	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2581370	25	08/16/25 15:50	08/17/25 09:24	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2581339	1	08/16/25 15:50	08/17/25 08:40	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2582610	1	08/20/25 08:08	08/21/25 01:15	HCS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2582648	1	08/20/25 16:29	08/21/25 16:50	VDR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2583077	1	08/20/25 05:46	08/21/25 03:44	AMM	Mt. Juliet, TN

GACO0815T208-1CRS004 L1889504-11

Collected by: Farrah Hanger | Collected date/time: 08/15/25 12:26 | Received date/time: 08/16/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2582953	1	08/20/25 07:52	08/20/25 07:52	MAP	Mt. Juliet, TN
Calculated Results	WG2581505	1	08/17/25 12:30	08/25/25 19:08	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2581749	1	08/18/25 13:32	08/18/25 13:45	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2581842	1	08/19/25 08:12	08/19/25 22:57	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2585770	5	08/22/25 19:16	08/25/25 19:08	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2590692	1	09/04/25 10:00	09/04/25 21:34	ERP	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2583520	1	08/20/25 15:18	08/20/25 16:10	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2583523	1	08/20/25 15:19	08/20/25 20:15	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2581505	5	08/17/25 12:30	08/17/25 17:51	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2582717	5	08/19/25 11:56	08/21/25 23:24	DLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2582195	1	08/19/25 17:03	08/20/25 09:43	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2582970	1	08/19/25 17:12	08/20/25 12:36	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2582170	5	08/19/25 16:59	08/20/25 12:50	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2581370	25	08/16/25 15:50	08/17/25 09:45	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2581339	1	08/16/25 15:50	08/17/25 08:20	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2582610	2	08/20/25 08:08	08/21/25 15:31	JAS	Mt. Juliet, TN

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Collected by: Farrah Hanger | Collected date/time: 08/15/25 12:26 | Received date/time: 08/16/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2582648	1	08/20/25 16:29	08/21/25 17:13	VDR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2583077	1	08/20/25 05:46	08/21/25 04:01	AMM	Mt. Juliet, TN

GACO0815T208-1CRC004 L1889504-12

Collected by: Farrah Hanger | Collected date/time: 08/15/25 12:26 | Received date/time: 08/16/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2582953	1	08/20/25 07:55	08/20/25 07:55	MAP	Mt. Juliet, TN
Calculated Results	WG2581505	1	08/17/25 12:30	08/21/25 20:39	WFS	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2581749	1	08/18/25 13:32	08/18/25 13:45	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2581842	1	08/19/25 08:12	08/19/25 22:59	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2584208	5	08/21/25 03:43	08/21/25 20:39	WFS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2590692	1	09/04/25 10:00	09/04/25 21:43	ERP	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2583520	1	08/20/25 15:18	08/20/25 16:10	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2583523	1	08/20/25 15:19	08/20/25 20:15	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2581505	5	08/17/25 12:30	08/17/25 18:04	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2581036	5	08/17/25 17:00	08/20/25 01:37	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2582195	1	08/19/25 17:03	08/20/25 09:44	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2582970	1	08/19/25 17:12	08/20/25 12:40	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2582170	5	08/19/25 16:59	08/20/25 12:53	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2581370	25	08/16/25 15:50	08/17/25 10:07	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2581339	1	08/16/25 15:50	08/17/25 08:00	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2582616	1	08/20/25 10:38	08/20/25 19:34	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2582648	1	08/20/25 16:29	08/21/25 17:36	VDR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2583077	1	08/20/25 05:46	08/21/25 04:19	AMM	Mt. Juliet, TN

GACO0815T208-1CRT002 L1889504-13

Collected by: Farrah Hanger | Collected date/time: 08/15/25 07:00 | Received date/time: 08/16/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2581507	1	08/17/25 14:14	08/17/25 14:14	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2583097	1	08/20/25 15:47	08/20/25 15:47	NCD	Mt. Juliet, TN

GACO0815T208-1CRS005 L1889504-14

Collected by: Farrah Hanger | Collected date/time: 08/15/25 12:25 | Received date/time: 08/16/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2582953	1	08/20/25 07:58	08/20/25 07:58	MAP	Mt. Juliet, TN
Calculated Results	WG2581505	1	08/17/25 12:30	08/21/25 20:40	WFS	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2581749	1	08/18/25 13:32	08/18/25 13:45	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2581842	1	08/19/25 08:12	08/19/25 23:00	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2584208	1	08/21/25 03:43	08/21/25 20:40	WFS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2590692	1	09/04/25 10:00	09/04/25 21:52	ERP	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2583520	1	08/20/25 15:18	08/20/25 16:10	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2583523	1	08/20/25 15:19	08/20/25 20:15	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2581505	1	08/17/25 12:30	08/17/25 18:45	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2581621	5	08/21/25 09:26	08/21/25 14:22	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2582202	1	08/19/25 06:53	08/19/25 15:03	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2582970	1	08/19/25 17:12	08/20/25 12:43	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2582163	5	08/19/25 06:51	08/19/25 16:42	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2581370	25	08/16/25 15:50	08/17/25 10:34	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2581339	1	08/16/25 15:50	08/17/25 07:39	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2582616	1	08/20/25 10:38	08/20/25 19:48	MAA	Mt. Juliet, TN

GACO0815T208-1CRS005 L1889504-14

Collected by: Farrah Hanger | Collected date/time: 08/15/25 12:25 | Received date/time: 08/16/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2582648	1	08/20/25 16:29	08/21/25 17:59	VDR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2583077	1	08/20/25 05:46	08/21/25 04:37	AMM	Mt. Juliet, TN

GACO0815T208-1CRS006 L1889504-15

Collected by: Farrah Hanger | Collected date/time: 08/15/25 12:45 | Received date/time: 08/16/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2582953	1	08/20/25 08:01	08/20/25 08:01	MAP	Mt. Juliet, TN
Calculated Results	WG2581505	1	08/17/25 12:30	08/21/25 20:46	WFS	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2581749	1	08/18/25 13:32	08/18/25 13:45	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2581842	1	08/19/25 08:12	08/19/25 23:03	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2584208	5	08/21/25 03:43	08/21/25 20:46	WFS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2590692	1	09/04/25 10:00	09/04/25 22:01	ERP	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2583520	1	08/20/25 15:18	08/20/25 16:10	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2583523	1	08/20/25 15:19	08/20/25 20:15	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2581505	1.01	08/17/25 12:30	08/17/25 18:58	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2582717	5	08/19/25 11:56	08/21/25 23:25	DLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2582202	1	08/19/25 06:53	08/19/25 15:05	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2582970	1	08/19/25 17:12	08/20/25 12:46	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2582163	5	08/19/25 06:51	08/19/25 16:45	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2581370	25	08/16/25 15:50	08/17/25 11:15	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2581339	1	08/16/25 15:50	08/17/25 07:19	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2582616	5	08/20/25 10:38	08/20/25 21:12	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2582648	1	08/20/25 16:29	08/21/25 18:23	VDR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2583077	1	08/20/25 05:46	08/21/25 04:54	AMM	Mt. Juliet, TN

GACO0815T208-1CRS007 L1889504-16

Collected by: Farrah Hanger | Collected date/time: 08/15/25 12:50 | Received date/time: 08/16/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2582953	1	08/20/25 08:04	08/20/25 08:04	MAP	Mt. Juliet, TN
Calculated Results	WG2581505	1	08/17/25 12:30	08/21/25 20:48	WFS	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2581749	1	08/18/25 13:32	08/18/25 13:45	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2582528	1	08/19/25 08:11	08/19/25 23:27	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2584208	5	08/21/25 03:43	08/21/25 20:48	WFS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2590692	1	09/04/25 10:00	09/04/25 22:10	ERP	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2583520	1	08/20/25 15:18	08/20/25 16:10	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2583523	1	08/20/25 15:19	08/20/25 20:15	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2581505	5	08/17/25 12:30	08/17/25 19:12	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2581621	5	08/21/25 09:26	08/21/25 14:22	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2582202	1	08/19/25 06:53	08/19/25 15:06	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2582970	1	08/19/25 17:12	08/20/25 12:49	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2582163	5	08/19/25 06:51	08/19/25 16:49	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2581370	25	08/16/25 15:50	08/17/25 11:38	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2581339	1	08/16/25 15:50	08/17/25 06:59	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2582616	1	08/20/25 10:38	08/20/25 20:16	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2582648	1	08/20/25 16:29	08/21/25 18:45	VDR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2583077	1	08/20/25 05:46	08/21/25 05:12	AMM	Mt. Juliet, TN

GACO0815T208-1CRS008 L1889504-17

Collected by: Farrah Hanger | Collected date/time: 08/15/25 12:15 | Received date/time: 08/16/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2582953	1	08/20/25 08:07	08/20/25 08:07	MAP	Mt. Juliet, TN
Calculated Results	WG2581505	1	08/17/25 12:30	08/21/25 20:50	WFS	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2581749	1	08/18/25 13:32	08/18/25 13:45	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2582528	1	08/19/25 08:11	08/19/25 23:29	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2584208	5	08/21/25 03:43	08/21/25 20:50	WFS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2590692	1	09/04/25 10:00	09/04/25 22:19	ERP	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2583520	1	08/20/25 15:18	08/20/25 16:10	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2583523	1	08/20/25 15:19	08/20/25 20:15	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2581505	1	08/17/25 12:30	08/17/25 19:25	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2581621	5	08/21/25 09:26	08/21/25 14:22	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2582202	1	08/19/25 06:53	08/19/25 15:08	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2582970	1	08/19/25 17:12	08/20/25 14:15	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2582163	5	08/19/25 06:51	08/19/25 16:52	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2581370	25	08/16/25 15:50	08/17/25 12:15	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2581339	1	08/16/25 15:50	08/17/25 06:39	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2582616	20	08/20/25 10:38	08/20/25 21:40	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2582648	10	08/20/25 16:29	08/21/25 22:32	VDR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2583077	1	08/20/25 05:46	08/21/25 13:37	ADF	Mt. Juliet, TN

GACO0815T208-1CRT003 L1889504-18

Collected by: Farrah Hanger | Collected date/time: 08/15/25 07:00 | Received date/time: 08/16/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2581507	1	08/17/25 14:38	08/17/25 14:38	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2583097	1	08/20/25 16:08	08/20/25 16:08	NCD	Mt. Juliet, TN

GACO0815T208-1CRS009 L1889504-19

Collected by: Farrah Hanger | Collected date/time: 08/15/25 12:40 | Received date/time: 08/16/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2583763	1	08/18/25 04:15	08/20/25 17:41	DDD	Mt. Juliet, TN

GACO0815T208-1CRS010 L1889504-20

Collected by: Farrah Hanger | Collected date/time: 08/15/25 12:00 | Received date/time: 08/16/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2583763	1	08/18/25 04:15	08/20/25 17:41	DDD	Mt. Juliet, TN

GACO0815T208-1CRS011 L1889504-21

Collected by: Farrah Hanger | Collected date/time: 08/15/25 12:15 | Received date/time: 08/16/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2583763	1	08/18/25 04:15	08/20/25 17:41	DDD	Mt. Juliet, TN

GACO0815T208-1CRC011 L1889504-22

Collected by: Farrah Hanger | Collected date/time: 08/15/25 12:15 | Received date/time: 08/16/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2583763	1	08/18/25 04:15	08/20/25 17:56	DDD	Mt. Juliet, TN

GACO0815T208-1CRS001 L1889504-23

Collected by: Farrah Hanger | Collected date/time: 08/15/25 11:30 | Received date/time: 08/16/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2583763	1	08/18/25 04:15	08/20/25 17:16	DDD	Mt. Juliet, TN

GACO0815T208-1CRS012 L1889504-24

Collected by: Farrah Hanger | Collected date/time: 08/15/25 13:00 | Received date/time: 08/16/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2583763	1	08/18/25 04:15	08/20/25 18:09	DDD	Mt. Juliet, TN

GACO0815T208-1CRS002 L1889504-25

Collected by: Farrah Hanger | Collected date/time: 08/15/25 12:00 | Received date/time: 08/16/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2583763	1	08/18/25 04:15	08/20/25 18:32	DDD	Mt. Juliet, TN

GACO0815T208-1CRS003 L1889504-26

Collected by: Farrah Hanger | Collected date/time: 08/15/25 12:10 | Received date/time: 08/16/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2583763	1	08/18/25 04:15	08/20/25 18:32	DDD	Mt. Juliet, TN

GACO0815T208-1CRS004 L1889504-27

Collected by: Farrah Hanger | Collected date/time: 08/15/25 12:26 | Received date/time: 08/16/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2583763	1	08/18/25 04:15	08/20/25 18:42	DDD	Mt. Juliet, TN

GACO0815T208-1CRC004 L1889504-28

Collected by: Farrah Hanger | Collected date/time: 08/15/25 12:26 | Received date/time: 08/16/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2583763	1	08/18/25 04:15	08/20/25 19:20	DDD	Mt. Juliet, TN

GACO0815T208-1CRS005 L1889504-29

Collected by: Farrah Hanger | Collected date/time: 08/15/25 12:25 | Received date/time: 08/16/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2583763	1	08/18/25 04:15	08/20/25 19:20	DDD	Mt. Juliet, TN

GACO0815T208-1CRS006 L1889504-30

Collected by: Farrah Hanger | Collected date/time: 08/15/25 12:45 | Received date/time: 08/16/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2583763	1	08/18/25 04:15	08/20/25 19:21	DDD	Mt. Juliet, TN

GACO0815T208-1CRS007 L1889504-31

Collected by: Farrah Hanger
Collected date/time: 08/15/25 12:50
Received date/time: 08/16/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2583763	1	08/18/25 04:15	08/20/25 19:29	DDD	Mt. Juliet, TN

GACO0815T208-1CRS008 L1889504-32

Collected by: Farrah Hanger
Collected date/time: 08/15/25 12:15
Received date/time: 08/16/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2583763	1	08/18/25 04:15	08/20/25 20:06	DDD	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.

Shane Gambill
Project Manager

Project Comments

WG2582648 - 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.

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
WG2585770	(MS) R4263924-3	Kjeldahl Nitrogen, TKN
WG2585770	(MSD) R4263924-4	Kjeldahl Nitrogen, TKN
WG2585770	(MS) R4263924-5	Kjeldahl Nitrogen, TKN
WG2585770	(MSD) R4263924-6	Kjeldahl Nitrogen, TKN
WG2586477	(MS) R4263926-5	Kjeldahl Nitrogen, TKN
WG2586477	(MS) R4263926-6	Kjeldahl Nitrogen, TKN

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

Batch	Lab Sample ID	Analytes
WG2585770	(MS) R4263924-3, (MSD) R4263924-4	Kjeldahl Nitrogen, TKN
WG2586477	(MS) R4263926-5	Kjeldahl Nitrogen, TKN

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

Batch	Lab Sample ID	Analytes
WG2586477	(MS) R4263926-6	Kjeldahl Nitrogen, TKN

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

Batch	Lab Sample ID	Analytes
WG2584208	(MSD) R4262253-6	Kjeldahl Nitrogen, TKN
WG2585770	(MSD) R4263924-6	Kjeldahl Nitrogen, TKN
WG2586477	(MS) R4263926-3, (MS) R4263926-8, (MSD) R4263926-7, (MSD) R4263926-4, (MSD) R4263926-9, L1889504-06	Kjeldahl Nitrogen, TKN

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

Batch	Lab Sample ID	Analytes
WG2586477	(MSD) R4263926-7	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
WG2590692	(MSD) R4273446-6, L1889504-06	Hexavalent Chromium

Metals (ICP) by Method 6010D

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

Batch	Lab Sample ID	Analytes
WG2582195	(MS) R4261238-5, (MSD) R4261238-6	Aluminum, Calcium and Iron
WG2582202	(MS) R4260802-5, (MSD) R4260802-6, L1889504-06	Aluminum, Calcium and Iron

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

Batch	Lab Sample ID	Analytes
WG2582195	(MS) R4261238-5, (MSD) R4261238-6	Antimony, Manganese and Thallium

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

Batch	Lab Sample ID	Analytes
WG2582202	(MS) R4260802-5, (MSD) R4260802-6, L1889504-06	Manganese

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

Batch	Lab Sample ID	Analytes
WG2582195	(MSD) R4261238-6	Thallium
WG2582202	(MSD) R4260802-6, L1889504-06	Iron

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
WG2582202	L1889504-06	Magnesium

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
WG2581309	L1889504-05	1,1,2,2-Tetrachloroethane, Bromomethane and Chloromethane
WG2581309	L1889504-08	1,1,2,2-Tetrachloroethane, Bromomethane and Chloromethane
WG2581339	L1889504-01	1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane and 2-Butanone (MEK)
WG2581339	L1889504-02	1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane and 2-Butanone (MEK)
WG2581339	L1889504-03	1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane and 2-Butanone (MEK)
WG2581339	L1889504-04	1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane and 2-Butanone (MEK)
WG2581339	L1889504-06	1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane and 2-Butanone (MEK)
WG2581339	L1889504-07	1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane and 2-Butanone (MEK)
WG2581339	L1889504-09	1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane and 2-Butanone (MEK)
WG2581339	L1889504-10	1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane and 2-Butanone (MEK)
WG2581339	L1889504-11	1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane and 2-Butanone (MEK)
WG2581339	L1889504-12	1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane and 2-Butanone (MEK)
WG2581339	L1889504-14	1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane and 2-Butanone (MEK)
WG2581339	L1889504-15	1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane and 2-Butanone (MEK)
WG2581339	L1889504-16	1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane and 2-Butanone (MEK)
WG2581339	L1889504-17	1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane and 2-Butanone (MEK)
WG2581507	L1889504-13	1,1,2,2-Tetrachloroethane, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Bromomethane, Chloromethane, Dichlorodifluoromethane, Naphthalene and Trichlorofluoromethane
WG2581507	L1889504-18	1,1,2,2-Tetrachloroethane, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Bromomethane, Chloromethane, Dichlorodifluoromethane, Naphthalene and Trichlorofluoromethane

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

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

Batch	Analyte	Lab Sample ID
WG2581309	1,2-Dichloroethane-d4	(MS) R4259973-3, (MSD) R4259973-4

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

Batch	Lab Sample ID	Analytes
WG2581339	(LCSD) R4260085-2, L1889504-01, 02, 03, 04, 07, 09, 10, 11, 12, 14, 15, 16, 17	1,1-Dichloropropene, Acetone and Dichlorodifluoromethane

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

Surrogate recovery cannot be used for control limit evaluation due to dilution.

Batch	Analyte	Lab Sample ID
WG2582610	o-Terphenyl	(MS) R4261947-3, (MSD) R4261947-4, L1889504-03, 04, 06, 09
WG2582616	o-Terphenyl	L1889504-17

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2582616	C28-C36 Motor Oil Range	L1889504-15

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

Batch	Lab Sample ID	Analytes
WG2582610	(MS) R4261947-3, (MSD) R4261947-4, L1889504-06	C10-C28 Diesel Range

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
WG2582648	L1889504-01	2,4-Dimethylphenol, Benzidine, Bis(2-chloroethyl)ether, Hexachlorocyclopentadiene and n-Nitrosodimethylamine
WG2582648	L1889504-02	2,4-Dimethylphenol, Benzidine, Bis(2-chloroethyl)ether, Hexachlorocyclopentadiene and n-Nitrosodimethylamine
WG2582648	L1889504-03	2,4-Dimethylphenol, Benzidine, Bis(2-chloroethyl)ether, Hexachlorocyclopentadiene and n-Nitrosodimethylamine
WG2582648	L1889504-04	2,4-Dimethylphenol, Benzidine, Bis(2-chloroethyl)ether, Hexachlorocyclopentadiene and n-Nitrosodimethylamine
WG2582648	L1889504-06	2,4-Dimethylphenol, Benzidine, Bis(2-chloroethyl)ether, Hexachlorocyclopentadiene and n-Nitrosodimethylamine
WG2582648	L1889504-07	2,4-Dimethylphenol, Benzidine, Bis(2-chloroethyl)ether, Hexachlorocyclopentadiene and n-Nitrosodimethylamine
WG2582648	L1889504-09	2,4-Dimethylphenol, Benzidine, Bis(2-chloroethyl)ether, Hexachlorocyclopentadiene and n-Nitrosodimethylamine
WG2582648	L1889504-10	2,4-Dimethylphenol, Benzidine, Bis(2-chloroethyl)ether, Hexachlorocyclopentadiene and n-Nitrosodimethylamine
WG2582648	L1889504-11	2,4-Dimethylphenol, Benzidine, Bis(2-chloroethyl)ether, Hexachlorocyclopentadiene and n-Nitrosodimethylamine
WG2582648	L1889504-12	2,4-Dimethylphenol, Benzidine, Bis(2-chloroethyl)ether, Hexachlorocyclopentadiene and n-Nitrosodimethylamine
WG2582648	L1889504-14	2,4-Dimethylphenol, Benzidine, Bis(2-chloroethyl)ether, Hexachlorocyclopentadiene and n-Nitrosodimethylamine
WG2582648	L1889504-15	2,4-Dimethylphenol, Benzidine, Bis(2-chloroethyl)ether, Hexachlorocyclopentadiene and n-Nitrosodimethylamine
WG2582648	L1889504-16	2,4-Dimethylphenol, Benzidine, Bis(2-chloroethyl)ether, Hexachlorocyclopentadiene and n-Nitrosodimethylamine
WG2582648	L1889504-17	2,4-Dimethylphenol, Benzidine, Bis(2-chloroethyl)ether, Hexachlorocyclopentadiene and n-Nitrosodimethylamine

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

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

Batch	Lab Sample ID	Analytes
WG2582648	L1889504-01	Benzidine
WG2582648	L1889504-02	Benzidine
WG2582648	L1889504-03	Benzidine
WG2582648	L1889504-04	Benzidine
WG2582648	L1889504-06	Benzidine
WG2582648	L1889504-07	Benzidine
WG2582648	L1889504-09	Benzidine
WG2582648	L1889504-10	Benzidine
WG2582648	L1889504-11	Benzidine
WG2582648	L1889504-12	Benzidine
WG2582648	L1889504-14	Benzidine
WG2582648	L1889504-15	Benzidine
WG2582648	L1889504-16	Benzidine
WG2582648	L1889504-17	Benzidine

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

Batch	Lab Sample ID	Analytes
WG2582648	(LCS) R4262291-1, L1889504-01, 02, 03, 04, 06, 07, 09, 10, 11, 12, 14, 15, 16, 17	Benzidine

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

Batch	Lab Sample ID	Analytes
WG2582648	(MS) R4262291-3, (MSD) R4262291-4, L1889504-06	35 analytes

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

Batch	Lab Sample ID	Analytes
WG2582648	(MSD) R4262291-4, L1889504-06	2,2-Oxybis(1-Chloropropane) and 2,4-Dichlorophenol

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
WG2583077	2-Fluorobiphenyl	(LCS) R4261851-1
WG2583077	p-Terphenyl-d14	(LCS) R4261851-1, (MS) R4261862-1, L1889504-04

DETECTION SUMMARY

Calculated Results

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0815T208-1CRS009	L1889504-01	Total Nitrogen	3590		21.6	1	08/25/2025 18:55	WG2581505
GACO0815T208-1CRS010	L1889504-02	Total Nitrogen	771		102	1	08/25/2025 18:56	WG2581505
GACO0815T208-1CRS011	L1889504-03	Total Nitrogen	858		102	1	08/25/2025 18:58	WG2581505
GACO0815T208-1CRC011	L1889504-04	Total Nitrogen	429		20.4	1	08/25/2025 19:00	WG2581505
GACO0815T208-1CRS001	L1889504-06	Total Nitrogen	671		20.7	1	08/25/2025 21:04	WG2581505
GACO0815T208-1CRS012	L1889504-07	Total Nitrogen	614		104	1	08/25/2025 19:02	WG2581505
GACO0815T208-1CRS002	L1889504-09	Total Nitrogen	951		20.5	1	08/25/2025 19:04	WG2581505
GACO0815T208-1CRS003	L1889504-10	Total Nitrogen	1060		20.6	1	08/25/2025 19:06	WG2581505
GACO0815T208-1CRS004	L1889504-11	Total Nitrogen	1370		102	1	08/25/2025 19:08	WG2581505
GACO0815T208-1CRC004	L1889504-12	Total Nitrogen	1380		103	1	08/21/2025 20:39	WG2581505
GACO0815T208-1CRS005	L1889504-14	Total Nitrogen	386		20.8	1	08/21/2025 20:40	WG2581505
GACO0815T208-1CRS006	L1889504-15	Total Nitrogen	408		22.0	1	08/21/2025 20:46	WG2581505
GACO0815T208-1CRS007	L1889504-16	Total Nitrogen	324		103	1	08/21/2025 20:48	WG2581505
GACO0815T208-1CRS008	L1889504-17	Total Nitrogen	728		22.2	1	08/21/2025 20:50	WG2581505

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
GACO0815T208-1CRS009	L1889504-19	Actinium-228 (Ra-228)	1.03		0.346	0.346	0.679	0.300	08/20/2025 17:41	WG2583763
GACO0815T208-1CRS009	L1889504-19	Bismuth-214 (Ra-226)	0.663		0.213	0.213	0.320	0.143	08/20/2025 17:41	WG2583763
GACO0815T208-1CRS009	L1889504-19	Lead-214	0.478		0.189	0.189	0.362	0.167	08/20/2025 17:41	WG2583763
GACO0815T208-1CRS009	L1889504-19	Thorium-234 (U-238)	0.0906	U	1.45	1.45	3.32	1.32	08/20/2025 17:41	WG2583763
GACO0815T208-1CRS009	L1889504-19	Radium-226 (186 KeV)	1.19	J	1.01	1.01	1.73	0.808	08/20/2025 17:41	WG2583763
GACO0815T208-1CRS010	L1889504-20	Actinium-228 (Ra-228)	0.872		0.210	0.210	0.352	0.158	08/20/2025 17:41	WG2583763
GACO0815T208-1CRS010	L1889504-20	Bismuth-214 (Ra-226)	0.731		0.151	0.151	0.191	0.0870	08/20/2025 17:41	WG2583763
GACO0815T208-1CRS010	L1889504-20	Lead-214	0.898		0.148	0.148	0.190	0.0875	08/20/2025 17:41	WG2583763
GACO0815T208-1CRS010	L1889504-20	Thorium-234 (U-238)	1.24	U	1.37	1.37	2.83	1.13	08/20/2025 17:41	WG2583763
GACO0815T208-1CRS010	L1889504-20	Radium-226 (186 KeV)	1.38	J	0.794	0.794	1.39	0.658	08/20/2025 17:41	WG2583763
GACO0815T208-1CRS011	L1889504-21	Actinium-228 (Ra-228)	1.17		0.301	0.301	0.486	0.210	08/20/2025 17:41	WG2583763
GACO0815T208-1CRS011	L1889504-21	Bismuth-214 (Ra-226)	0.769		0.185	0.185	0.225	0.0978	08/20/2025 17:41	WG2583763
GACO0815T208-1CRS011	L1889504-21	Lead-214	0.989		0.167	0.167	0.189	0.0826	08/20/2025 17:41	WG2583763
GACO0815T208-1CRS011	L1889504-21	Thorium-234 (U-238)	0.878	U	0.946	0.946	1.95	0.762	08/20/2025 17:41	WG2583763
GACO0815T208-1CRS011	L1889504-21	Radium-226 (186 KeV)	1.33		0.759	0.759	1.22	0.562	08/20/2025 17:41	WG2583763

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	
GACO0815T208-1CRC011	L1889504-22	Actinium-228 (Ra-228)	1.52		0.271	0.271	0.344	0.146	08/20/2025 17:56	WG2583763
GACO0815T208-1CRC011	L1889504-22	Bismuth-214 (Ra-226)	0.992		0.179	0.179	0.197	0.0869	08/20/2025 17:56	WG2583763
GACO0815T208-1CRC011	L1889504-22	Lead-214	1.48		0.268	0.268	0.237	0.110	08/20/2025 17:56	WG2583763
GACO0815T208-1CRC011	L1889504-22	Thorium-234 (U-238)	5.95		1.94	1.94	1.54	0.616	08/20/2025 17:56	WG2583763
GACO0815T208-1CRC011	L1889504-22	Radium-226 (186 KeV)	4.17		0.723	0.723	1.07	0.501	08/20/2025 17:56	WG2583763
GACO0815T208-1CRS001	L1889504-23	Actinium-228 (Ra-228)	1.14		0.221	0.221	0.313	0.139	08/20/2025 17:16	WG2583763
GACO0815T208-1CRS001	L1889504-23	Bismuth-214 (Ra-226)	0.795		0.145	0.145	0.176	0.0798	08/20/2025 17:16	WG2583763
GACO0815T208-1CRS001	L1889504-23	Lead-214	0.765		0.153	0.153	0.200	0.0929	08/20/2025 17:16	WG2583763
GACO0815T208-1CRS001	L1889504-23	Thorium-234 (U-238)	0.495	U	1.08	1.08	2.32	0.933	08/20/2025 17:16	WG2583763
GACO0815T208-1CRS001	L1889504-23	Radium-226 (186 KeV)	1.22		0.672	0.672	1.13	0.536	08/20/2025 17:16	WG2583763
GACO0815T208-1CRS012	L1889504-24	Actinium-228 (Ra-228)	0.792		0.195	0.195	0.322	0.144	08/20/2025 18:09	WG2583763
GACO0815T208-1CRS012	L1889504-24	Bismuth-214 (Ra-226)	0.753		0.136	0.136	0.162	0.0736	08/20/2025 18:09	WG2583763
GACO0815T208-1CRS012	L1889504-24	Lead-214	0.756		0.143	0.143	0.176	0.0818	08/20/2025 18:09	WG2583763
GACO0815T208-1CRS012	L1889504-24	Thorium-234 (U-238)	0.171	U	0.960	0.960	2.08	0.835	08/20/2025 18:09	WG2583763
GACO0815T208-1CRS012	L1889504-24	Radium-226 (186 KeV)	0.866	J	0.676	0.676	1.17	0.558	08/20/2025 18:09	WG2583763
GACO0815T208-1CRS002	L1889504-25	Actinium-228 (Ra-228)	0.870		0.211	0.211	0.360	0.162	08/20/2025 18:32	WG2583763
GACO0815T208-1CRS002	L1889504-25	Bismuth-214 (Ra-226)	0.687		0.144	0.144	0.192	0.0876	08/20/2025 18:32	WG2583763
GACO0815T208-1CRS002	L1889504-25	Lead-214	0.791		0.139	0.139	0.197	0.0911	08/20/2025 18:32	WG2583763
GACO0815T208-1CRS002	L1889504-25	Thorium-234 (U-238)	1.36	J	1.35	1.35	2.68	1.07	08/20/2025 18:32	WG2583763
GACO0815T208-1CRS002	L1889504-25	Radium-226 (186 KeV)	0.555	U	0.748	0.748	1.38	0.654	08/20/2025 18:32	WG2583763
GACO0815T208-1CRS003	L1889504-26	Actinium-228 (Ra-228)	1.02		0.280	0.280	0.465	0.200	08/20/2025 18:32	WG2583763
GACO0815T208-1CRS003	L1889504-26	Bismuth-214 (Ra-226)	0.730		0.183	0.183	0.234	0.103	08/20/2025 18:32	WG2583763
GACO0815T208-1CRS003	L1889504-26	Lead-214	0.807		0.161	0.161	0.218	0.0973	08/20/2025 18:32	WG2583763
GACO0815T208-1CRS003	L1889504-26	Thorium-234 (U-238)	0.658	U	0.901	0.901	1.85	0.720	08/20/2025 18:32	WG2583763
GACO0815T208-1CRS003	L1889504-26	Radium-226 (186 KeV)	1.61		0.739	0.739	1.14	0.526	08/20/2025 18:32	WG2583763
GACO0815T208-1CRS004	L1889504-27	Actinium-228 (Ra-228)	0.918		0.236	0.236	0.380	0.165	08/20/2025 18:42	WG2583763
GACO0815T208-1CRS004	L1889504-27	Bismuth-214 (Ra-226)	0.873		0.180	0.180	0.219	0.0983	08/20/2025 18:42	WG2583763
GACO0815T208-1CRS004	L1889504-27	Lead-214	1.04		0.245	0.245	0.202	0.0926	08/20/2025 18:42	WG2583763
GACO0815T208-1CRS004	L1889504-27	Thorium-234 (U-238)	0.669	U	0.685	0.685	1.42	0.567	08/20/2025 18:42	WG2583763
GACO0815T208-1CRS004	L1889504-27	Radium-226 (186 KeV)	1.49		0.671	0.671	1.06	0.500	08/20/2025 18:42	WG2583763

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	
GACO0815T208-1CRC004	L1889504-28	Actinium-228 (Ra-228)	0.983		0.337	0.337	0.732	0.331	08/20/2025 19:20	WG2583763
GACO0815T208-1CRC004	L1889504-28	Bismuth-214 (Ra-226)	0.519		0.198	0.198	0.313	0.141	08/20/2025 19:20	WG2583763
GACO0815T208-1CRC004	L1889504-28	Lead-214	0.697		0.183	0.183	0.310	0.142	08/20/2025 19:20	WG2583763
GACO0815T208-1CRC004	L1889504-28	Thorium-234 (U-238)	1.61	J	1.61	1.61	3.02	1.20	08/20/2025 19:20	WG2583763
GACO0815T208-1CRC004	L1889504-28	Radium-226 (186 KeV)	0.916	J	1.02	1.02	1.78	0.837	08/20/2025 19:20	WG2583763
GACO0815T208-1CRS005	L1889504-29	Actinium-228 (Ra-228)	1.08		0.231	0.231	0.348	0.153	08/20/2025 19:20	WG2583763
GACO0815T208-1CRS005	L1889504-29	Bismuth-214 (Ra-226)	0.756		0.154	0.154	0.194	0.0873	08/20/2025 19:20	WG2583763
GACO0815T208-1CRS005	L1889504-29	Lead-214	0.777		0.151	0.151	0.218	0.100	08/20/2025 19:20	WG2583763
GACO0815T208-1CRS005	L1889504-29	Thorium-234 (U-238)	2.02	J	1.54	1.54	2.87	1.14	08/20/2025 19:20	WG2583763
GACO0815T208-1CRS005	L1889504-29	Radium-226 (186 KeV)	1.37	J	0.837	0.837	1.47	0.697	08/20/2025 19:20	WG2583763
GACO0815T208-1CRS006	L1889504-30	Actinium-228 (Ra-228)	1.30		0.330	0.330	0.547	0.234	08/20/2025 19:21	WG2583763
GACO0815T208-1CRS006	L1889504-30	Bismuth-214 (Ra-226)	0.808		0.217	0.217	0.283	0.124	08/20/2025 19:21	WG2583763
GACO0815T208-1CRS006	L1889504-30	Lead-214	0.889		0.177	0.177	0.219	0.0955	08/20/2025 19:21	WG2583763
GACO0815T208-1CRS006	L1889504-30	Thorium-234 (U-238)	1.67	J	1.24	1.24	2.08	0.802	08/20/2025 19:21	WG2583763
GACO0815T208-1CRS006	L1889504-30	Radium-226 (186 KeV)	1.09	J	0.796	0.796	1.32	0.602	08/20/2025 19:21	WG2583763
GACO0815T208-1CRS007	L1889504-31	Actinium-228 (Ra-228)	1.17		0.273	0.273	0.428	0.186	08/20/2025 19:29	WG2583763
GACO0815T208-1CRS007	L1889504-31	Bismuth-214 (Ra-226)	0.920		0.186	0.186	0.220	0.0982	08/20/2025 19:29	WG2583763
GACO0815T208-1CRS007	L1889504-31	Lead-214	0.946		0.246	0.246	0.245	0.113	08/20/2025 19:29	WG2583763
GACO0815T208-1CRS007	L1889504-31	Thorium-234 (U-238)	0.858	J	0.729	0.729	1.58	0.629	08/20/2025 19:29	WG2583763
GACO0815T208-1CRS007	L1889504-31	Radium-226 (186 KeV)	0.428	U	0.671	0.671	1.17	0.550	08/20/2025 19:29	WG2583763
GACO0815T208-1CRS008	L1889504-32	Actinium-228 (Ra-228)	0.854		0.205	0.205	0.357	0.161	08/20/2025 20:06	WG2583763
GACO0815T208-1CRS008	L1889504-32	Bismuth-214 (Ra-226)	0.790		0.144	0.144	0.179	0.0814	08/20/2025 20:06	WG2583763
GACO0815T208-1CRS008	L1889504-32	Lead-214	0.766		0.144	0.144	0.173	0.0796	08/20/2025 20:06	WG2583763
GACO0815T208-1CRS008	L1889504-32	Thorium-234 (U-238)	1.30	J	1.12	1.12	2.02	0.809	08/20/2025 20:06	WG2583763
GACO0815T208-1CRS008	L1889504-32	Radium-226 (186 KeV)	1.34		0.673	0.673	1.12	0.532	08/20/2025 20:06	WG2583763

Wet Chemistry by Method 350.1

Client ID	Lab Sample ID	Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
			mg/kg		mg/kg		date / time	
GACO0815T208-1CRS004	L1889504-11	Ammonia Nitrogen	16.8		10.2	1	08/19/2025 22:57	WG2581842

Wet Chemistry by Method 4500NOrg D-2021

Client ID	Lab Sample ID	Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
			mg/kg		mg/kg		date / time	
GACO0815T208-1CRS009	L1889504-01	Kjeldahl Nitrogen, TKN	3580		105	5	08/25/2025 18:55	WG2585770

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
GACO0815T208-1CRS 010	L1889504-02	Kjeldahl Nitrogen, TKN	613		102	5	08/25/2025 18:56	WG2585770
GACO0815T208-1CRS 011	L1889504-03	Kjeldahl Nitrogen, TKN	742		102	5	08/25/2025 18:58	WG2585770
GACO0815T208-1CRC 011	L1889504-04	Kjeldahl Nitrogen, TKN	389		102	5	08/25/2025 19:00	WG2585770
GACO0815T208-1CRS 001	L1889504-06	Kjeldahl Nitrogen, TKN	655	J6	20.7	1	08/25/2025 21:04	WG2586477
GACO0815T208-1CRS 012	L1889504-07	Kjeldahl Nitrogen, TKN	519		104	5	08/25/2025 19:02	WG2585770
GACO0815T208-1CRS 002	L1889504-09	Kjeldahl Nitrogen, TKN	920		102	5	08/25/2025 19:04	WG2585770
GACO0815T208-1CRS 003	L1889504-10	Kjeldahl Nitrogen, TKN	1020		103	5	08/25/2025 19:06	WG2585770
GACO0815T208-1CRS 004	L1889504-11	Kjeldahl Nitrogen, TKN	1260		102	5	08/25/2025 19:08	WG2585770
GACO0815T208-1CRC 004	L1889504-12	Kjeldahl Nitrogen, TKN	1270		103	5	08/21/2025 20:39	WG2584208
GACO0815T208-1CRS 005	L1889504-14	Kjeldahl Nitrogen, TKN	360		20.8	1	08/21/2025 20:40	WG2584208
GACO0815T208-1CRS 006	L1889504-15	Kjeldahl Nitrogen, TKN	372		109	5	08/21/2025 20:46	WG2584208
GACO0815T208-1CRS 007	L1889504-16	Kjeldahl Nitrogen, TKN	242		103	5	08/21/2025 20:48	WG2584208
GACO0815T208-1CRS 008	L1889504-17	Kjeldahl Nitrogen, TKN	722		111	5	08/21/2025 20:50	WG2584208

Wet Chemistry by Method 7199

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0815T208-1CRS 006	L1889504-15	Hexavalent Chromium	0.532		0.218	1	09/04/2025 22:01	WG2590692

Wet Chemistry by Method 9050AMod (S-1.20)

Client ID	Lab Sample ID	Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
GACO0815T208-1CRS 009	L1889504-01	Specific Conductance	621	umhos/cm		10.0	1	08/20/2025 19:45	WG2583506
GACO0815T208-1CRS 010	L1889504-02	Specific Conductance	2240	umhos/cm		10.0	1	08/20/2025 19:45	WG2583506
GACO0815T208-1CRS 011	L1889504-03	Specific Conductance	1220	umhos/cm		10.0	1	08/20/2025 19:45	WG2583506
GACO0815T208-1CRC 011	L1889504-04	Specific Conductance	2170	umhos/cm		10.0	1	08/20/2025 19:45	WG2583506
GACO0815T208-1CRS 001	L1889504-06	Specific Conductance	703	umhos/cm		10.0	1	08/20/2025 20:15	WG2583523
GACO0815T208-1CRS 012	L1889504-07	Specific Conductance	976	umhos/cm		10.0	1	08/20/2025 20:15	WG2583523
GACO0815T208-1CRS 002	L1889504-09	Specific Conductance	421	umhos/cm		10.0	1	08/20/2025 20:15	WG2583523
GACO0815T208-1CRS 003	L1889504-10	Specific Conductance	772	umhos/cm		10.0	1	08/20/2025 20:15	WG2583523
GACO0815T208-1CRS 004	L1889504-11	Specific Conductance	1130	umhos/cm		10.0	1	08/20/2025 20:15	WG2583523
GACO0815T208-1CRC 004	L1889504-12	Specific Conductance	1480	umhos/cm		10.0	1	08/20/2025 20:15	WG2583523
GACO0815T208-1CRS 005	L1889504-14	Specific Conductance	645	umhos/cm		10.0	1	08/20/2025 20:15	WG2583523
GACO0815T208-1CRS 006	L1889504-15	Specific Conductance	770	umhos/cm		10.0	1	08/20/2025 20:15	WG2583523
GACO0815T208-1CRS 007	L1889504-16	Specific Conductance	723	umhos/cm		10.0	1	08/20/2025 20:15	WG2583523
GACO0815T208-1CRS 008	L1889504-17	Specific Conductance	282	umhos/cm		10.0	1	08/20/2025 20:15	WG2583523

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
GACO0815T208-1CRS 010	L1889504-02	Nitrate-Nitrite	158		103	5.05	08/17/2025 15:50	WG2581505
GACO0815T208-1CRS 011	L1889504-03	Nitrate-Nitrite	116		102	5	08/17/2025 16:03	WG2581505
GACO0815T208-1CRC 011	L1889504-04	Nitrate-Nitrite	40.0		20.4	1	08/17/2025 16:17	WG2581505
GACO0815T208-1CRS 002	L1889504-09	Nitrate-Nitrite	31.0		20.5	1	08/17/2025 17:24	WG2581505
GACO0815T208-1CRS 003	L1889504-10	Nitrate-Nitrite	37.1		20.6	1	08/17/2025 17:37	WG2581505
GACO0815T208-1CRS 004	L1889504-11	Nitrate-Nitrite	110		102	5	08/17/2025 17:51	WG2581505
GACO0815T208-1CRC 004	L1889504-12	Nitrate-Nitrite	111		103	5	08/17/2025 18:04	WG2581505
GACO0815T208-1CRS 005	L1889504-14	Nitrate-Nitrite	26.4		20.8	1	08/17/2025 18:45	WG2581505
GACO0815T208-1CRS 006	L1889504-15	Nitrate-Nitrite	36.5		22.0	1.01	08/17/2025 18:58	WG2581505

Wet Chemistry by Method WALKLEY-BLACK

Client ID	Lab Sample ID	Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
GACO0815T208-1CRS 009	L1889504-01	TOC By Walkley Black	12100		500	5	08/21/2025 14:20	WG2581621
GACO0815T208-1CRS 010	L1889504-02	TOC By Walkley Black	5100		500	5	08/21/2025 14:20	WG2581621
GACO0815T208-1CRS 011	L1889504-03	TOC By Walkley Black	16000		500	5	08/21/2025 23:23	WG2582717
GACO0815T208-1CRC 011	L1889504-04	TOC By Walkley Black	3600		400	4	08/21/2025 14:20	WG2581621
GACO0815T208-1CRS 001	L1889504-06	TOC By Walkley Black	7210		500	5	08/21/2025 14:21	WG2581621
GACO0815T208-1CRS 012	L1889504-07	TOC By Walkley Black	4000		500	5	08/21/2025 23:24	WG2582717
GACO0815T208-1CRS 002	L1889504-09	TOC By Walkley Black	12200		500	5	08/21/2025 14:21	WG2581621
GACO0815T208-1CRS 003	L1889504-10	TOC By Walkley Black	13600		500	5	08/21/2025 14:21	WG2581621
GACO0815T208-1CRS 004	L1889504-11	TOC By Walkley Black	20100		500	5	08/21/2025 23:24	WG2582717
GACO0815T208-1CRC 004	L1889504-12	TOC By Walkley Black	13400		500	5	08/20/2025 01:37	WG2581036
GACO0815T208-1CRS 005	L1889504-14	TOC By Walkley Black	3910		500	5	08/21/2025 14:22	WG2581621
GACO0815T208-1CRS 006	L1889504-15	TOC By Walkley Black	6540		500	5	08/21/2025 23:25	WG2582717
GACO0815T208-1CRS 007	L1889504-16	TOC By Walkley Black	3820		500	5	08/21/2025 14:22	WG2581621
GACO0815T208-1CRS 008	L1889504-17	TOC By Walkley Black	12100		500	5	08/21/2025 14:22	WG2581621

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
GACO0815T208-1CRS009	L1889504-01	Aluminum	8000		21.0	1	08/20/2025 09:28	WG2582195
GACO0815T208-1CRS009	L1889504-01	Beryllium	0.459		0.210	1	08/20/2025 09:28	WG2582195
GACO0815T208-1CRS009	L1889504-01	Calcium	11100		105	1	08/20/2025 09:28	WG2582195
GACO0815T208-1CRS009	L1889504-01	Chromium	12.9		1.05	1	08/20/2025 09:28	WG2582195
GACO0815T208-1CRS009	L1889504-01	Cobalt	3.36		1.05	1	08/20/2025 09:28	WG2582195
GACO0815T208-1CRS009	L1889504-01	Iron	10800		10.5	1	08/20/2025 09:28	WG2582195
GACO0815T208-1CRS009	L1889504-01	Magnesium	2900		105	1	08/20/2025 09:28	WG2582195
GACO0815T208-1CRS009	L1889504-01	Manganese	240		1.05	1	08/20/2025 09:28	WG2582195
GACO0815T208-1CRS009	L1889504-01	Potassium	3050		105	1	08/20/2025 09:28	WG2582195
GACO0815T208-1CRS009	L1889504-01	Vanadium	18.4		2.10	1	08/20/2025 09:28	WG2582195
GACO0815T208-1CRS010	L1889504-02	Aluminum	8440		20.3	1	08/20/2025 09:29	WG2582195
GACO0815T208-1CRS010	L1889504-02	Beryllium	0.453		0.203	1	08/20/2025 09:29	WG2582195
GACO0815T208-1CRS010	L1889504-02	Calcium	8030		102	1	08/20/2025 09:29	WG2582195
GACO0815T208-1CRS010	L1889504-02	Chromium	8.78		1.02	1	08/20/2025 09:29	WG2582195
GACO0815T208-1CRS010	L1889504-02	Cobalt	4.34		1.02	1	08/20/2025 09:29	WG2582195
GACO0815T208-1CRS010	L1889504-02	Iron	11200		10.2	1	08/20/2025 09:29	WG2582195
GACO0815T208-1CRS010	L1889504-02	Magnesium	2470		102	1	08/20/2025 09:29	WG2582195
GACO0815T208-1CRS010	L1889504-02	Manganese	211		1.02	1	08/20/2025 09:29	WG2582195
GACO0815T208-1CRS010	L1889504-02	Potassium	4120		102	1	08/20/2025 09:29	WG2582195
GACO0815T208-1CRS010	L1889504-02	Sodium	224		102	1	08/20/2025 09:29	WG2582195
GACO0815T208-1CRS010	L1889504-02	Vanadium	19.2		2.03	1	08/20/2025 09:29	WG2582195
GACO0815T208-1CRS011	L1889504-03	Aluminum	5970		20.4	1	08/20/2025 09:31	WG2582195
GACO0815T208-1CRS011	L1889504-03	Beryllium	0.306		0.204	1	08/20/2025 09:31	WG2582195
GACO0815T208-1CRS011	L1889504-03	Calcium	5720		102	1	08/20/2025 09:31	WG2582195
GACO0815T208-1CRS011	L1889504-03	Chromium	8.08		1.02	1	08/20/2025 09:31	WG2582195
GACO0815T208-1CRS011	L1889504-03	Cobalt	3.32		1.02	1	08/20/2025 09:31	WG2582195
GACO0815T208-1CRS011	L1889504-03	Iron	8290		10.2	1	08/20/2025 09:31	WG2582195
GACO0815T208-1CRS011	L1889504-03	Magnesium	1900		102	1	08/20/2025 09:31	WG2582195
GACO0815T208-1CRS011	L1889504-03	Manganese	138		1.02	1	08/20/2025 09:31	WG2582195
GACO0815T208-1CRS011	L1889504-03	Potassium	2340		102	1	08/20/2025 09:31	WG2582195
GACO0815T208-1CRS011	L1889504-03	Sodium	387		102	1	08/20/2025 09:31	WG2582195
GACO0815T208-1CRS011	L1889504-03	Vanadium	15.6		2.04	1	08/20/2025 09:31	WG2582195

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
GACO0815T208-1CRC011	L1889504-04	Aluminum	6550		20.4	1	08/20/2025 09:36	WG2582195
GACO0815T208-1CRC011	L1889504-04	Beryllium	0.353		0.204	1	08/20/2025 09:36	WG2582195
GACO0815T208-1CRC011	L1889504-04	Calcium	7110		102	1	08/20/2025 09:36	WG2582195
GACO0815T208-1CRC011	L1889504-04	Chromium	7.48		1.02	1	08/20/2025 09:36	WG2582195
GACO0815T208-1CRC011	L1889504-04	Cobalt	3.02		1.02	1	08/20/2025 09:36	WG2582195
GACO0815T208-1CRC011	L1889504-04	Iron	8320		10.2	1	08/20/2025 09:36	WG2582195
GACO0815T208-1CRC011	L1889504-04	Magnesium	2010		102	1	08/20/2025 09:36	WG2582195
GACO0815T208-1CRC011	L1889504-04	Manganese	124		1.02	1	08/20/2025 09:36	WG2582195
GACO0815T208-1CRC011	L1889504-04	Potassium	1950		102	1	08/20/2025 09:36	WG2582195
GACO0815T208-1CRC011	L1889504-04	Sodium	263		102	1	08/20/2025 09:36	WG2582195
GACO0815T208-1CRC011	L1889504-04	Vanadium	15.4		2.04	1	08/20/2025 09:36	WG2582195
GACO0815T208-1CRS001	L1889504-06	Aluminum	7580	V	20.7	1	08/19/2025 14:21	WG2582202
GACO0815T208-1CRS001	L1889504-06	Beryllium	0.360		0.207	1	08/19/2025 14:21	WG2582202
GACO0815T208-1CRS001	L1889504-06	Calcium	13500	V	103	1	08/19/2025 14:21	WG2582202
GACO0815T208-1CRS001	L1889504-06	Chromium	11.3		1.03	1	08/19/2025 14:21	WG2582202
GACO0815T208-1CRS001	L1889504-06	Cobalt	2.65		1.03	1	08/19/2025 14:21	WG2582202
GACO0815T208-1CRS001	L1889504-06	Iron	10800	J3 V	10.3	1	08/19/2025 14:21	WG2582202
GACO0815T208-1CRS001	L1889504-06	Magnesium	2000	O1	103	1	08/19/2025 14:21	WG2582202
GACO0815T208-1CRS001	L1889504-06	Manganese	179	J5	1.03	1	08/19/2025 14:21	WG2582202
GACO0815T208-1CRS001	L1889504-06	Potassium	1900		103	1	08/19/2025 14:21	WG2582202
GACO0815T208-1CRS001	L1889504-06	Sodium	158		103	1	08/19/2025 14:21	WG2582202
GACO0815T208-1CRS001	L1889504-06	Vanadium	17.9		2.07	1	08/19/2025 14:21	WG2582202
GACO0815T208-1CRS012	L1889504-07	Aluminum	8120		20.8	1	08/20/2025 09:38	WG2582195
GACO0815T208-1CRS012	L1889504-07	Beryllium	0.490		0.208	1	08/20/2025 09:38	WG2582195
GACO0815T208-1CRS012	L1889504-07	Calcium	9430		104	1	08/20/2025 09:38	WG2582195
GACO0815T208-1CRS012	L1889504-07	Chromium	8.39		1.04	1	08/20/2025 09:38	WG2582195
GACO0815T208-1CRS012	L1889504-07	Cobalt	3.91		1.04	1	08/20/2025 09:38	WG2582195
GACO0815T208-1CRS012	L1889504-07	Iron	13900		10.4	1	08/20/2025 09:38	WG2582195
GACO0815T208-1CRS012	L1889504-07	Magnesium	2880		104	1	08/20/2025 09:38	WG2582195
GACO0815T208-1CRS012	L1889504-07	Manganese	185		1.04	1	08/20/2025 09:38	WG2582195
GACO0815T208-1CRS012	L1889504-07	Potassium	1650		104	1	08/20/2025 09:38	WG2582195
GACO0815T208-1CRS012	L1889504-07	Vanadium	22.9		2.08	1	08/20/2025 09:38	WG2582195

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
GACO0815T208-1CRS 002	L1889504-09	Aluminum	8540		20.5	1	08/20/2025 09:39	WG2582195
GACO0815T208-1CRS 002	L1889504-09	Beryllium	0.510		0.205	1	08/20/2025 09:39	WG2582195
GACO0815T208-1CRS 002	L1889504-09	Calcium	5730		102	1	08/20/2025 09:39	WG2582195
GACO0815T208-1CRS 002	L1889504-09	Chromium	9.01		1.02	1	08/20/2025 09:39	WG2582195
GACO0815T208-1CRS 002	L1889504-09	Cobalt	5.47		1.02	1	08/20/2025 09:39	WG2582195
GACO0815T208-1CRS 002	L1889504-09	Iron	10900		10.2	1	08/20/2025 09:39	WG2582195
GACO0815T208-1CRS 002	L1889504-09	Magnesium	2080		102	1	08/20/2025 09:39	WG2582195
GACO0815T208-1CRS 002	L1889504-09	Manganese	342		1.02	1	08/20/2025 09:39	WG2582195
GACO0815T208-1CRS 002	L1889504-09	Potassium	2420		102	1	08/20/2025 09:39	WG2582195
GACO0815T208-1CRS 002	L1889504-09	Vanadium	18.4		2.05	1	08/20/2025 09:39	WG2582195
GACO0815T208-1CRS 003	L1889504-10	Aluminum	10900		20.6	1	08/20/2025 09:41	WG2582195
GACO0815T208-1CRS 003	L1889504-10	Beryllium	0.576		0.206	1	08/20/2025 09:41	WG2582195
GACO0815T208-1CRS 003	L1889504-10	Calcium	4500		103	1	08/20/2025 09:41	WG2582195
GACO0815T208-1CRS 003	L1889504-10	Chromium	9.87		1.03	1	08/20/2025 09:41	WG2582195
GACO0815T208-1CRS 003	L1889504-10	Cobalt	4.51		1.03	1	08/20/2025 09:41	WG2582195
GACO0815T208-1CRS 003	L1889504-10	Iron	12900		10.3	1	08/20/2025 09:41	WG2582195
GACO0815T208-1CRS 003	L1889504-10	Magnesium	2620		103	1	08/20/2025 09:41	WG2582195
GACO0815T208-1CRS 003	L1889504-10	Manganese	304		1.03	1	08/20/2025 09:41	WG2582195
GACO0815T208-1CRS 003	L1889504-10	Potassium	3630		103	1	08/20/2025 09:41	WG2582195
GACO0815T208-1CRS 003	L1889504-10	Vanadium	20.2		2.06	1	08/20/2025 09:41	WG2582195
GACO0815T208-1CRS 004	L1889504-11	Aluminum	8830		20.4	1	08/20/2025 09:43	WG2582195
GACO0815T208-1CRS 004	L1889504-11	Beryllium	0.511		0.204	1	08/20/2025 09:43	WG2582195
GACO0815T208-1CRS 004	L1889504-11	Calcium	5460		102	1	08/20/2025 09:43	WG2582195
GACO0815T208-1CRS 004	L1889504-11	Chromium	9.18		1.02	1	08/20/2025 09:43	WG2582195
GACO0815T208-1CRS 004	L1889504-11	Cobalt	3.90		1.02	1	08/20/2025 09:43	WG2582195
GACO0815T208-1CRS 004	L1889504-11	Iron	12500		10.2	1	08/20/2025 09:43	WG2582195
GACO0815T208-1CRS 004	L1889504-11	Magnesium	2470		102	1	08/20/2025 09:43	WG2582195
GACO0815T208-1CRS 004	L1889504-11	Manganese	212		1.02	1	08/20/2025 09:43	WG2582195
GACO0815T208-1CRS 004	L1889504-11	Potassium	2340		102	1	08/20/2025 09:43	WG2582195
GACO0815T208-1CRS 004	L1889504-11	Sodium	175		102	1	08/20/2025 09:43	WG2582195
GACO0815T208-1CRS 004	L1889504-11	Vanadium	20.0		2.04	1	08/20/2025 09:43	WG2582195

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
GACO0815T208-1CRC 004	L1889504-12	Aluminum	10800		20.6	1	08/20/2025 09:44	WG2582195
GACO0815T208-1CRC 004	L1889504-12	Beryllium	0.626		0.206	1	08/20/2025 09:44	WG2582195
GACO0815T208-1CRC 004	L1889504-12	Calcium	8320		103	1	08/20/2025 09:44	WG2582195
GACO0815T208-1CRC 004	L1889504-12	Chromium	10.3		1.03	1	08/20/2025 09:44	WG2582195
GACO0815T208-1CRC 004	L1889504-12	Cobalt	4.67		1.03	1	08/20/2025 09:44	WG2582195
GACO0815T208-1CRC 004	L1889504-12	Iron	15400		10.3	1	08/20/2025 09:44	WG2582195
GACO0815T208-1CRC 004	L1889504-12	Magnesium	3050		103	1	08/20/2025 09:44	WG2582195
GACO0815T208-1CRC 004	L1889504-12	Manganese	257		1.03	1	08/20/2025 09:44	WG2582195
GACO0815T208-1CRC 004	L1889504-12	Potassium	2790		103	1	08/20/2025 09:44	WG2582195
GACO0815T208-1CRC 004	L1889504-12	Sodium	304		103	1	08/20/2025 09:44	WG2582195
GACO0815T208-1CRC 004	L1889504-12	Vanadium	25.0		2.06	1	08/20/2025 09:44	WG2582195
GACO0815T208-1CRS 005	L1889504-14	Aluminum	8460		20.8	1	08/19/2025 15:03	WG2582202
GACO0815T208-1CRS 005	L1889504-14	Beryllium	0.445		0.208	1	08/19/2025 15:03	WG2582202
GACO0815T208-1CRS 005	L1889504-14	Calcium	1720		104	1	08/19/2025 15:03	WG2582202
GACO0815T208-1CRS 005	L1889504-14	Chromium	8.51		1.04	1	08/19/2025 15:03	WG2582202
GACO0815T208-1CRS 005	L1889504-14	Cobalt	3.45		1.04	1	08/19/2025 15:03	WG2582202
GACO0815T208-1CRS 005	L1889504-14	Iron	12000		10.4	1	08/19/2025 15:03	WG2582202
GACO0815T208-1CRS 005	L1889504-14	Magnesium	1720		104	1	08/19/2025 15:03	WG2582202
GACO0815T208-1CRS 005	L1889504-14	Manganese	258		1.04	1	08/19/2025 15:03	WG2582202
GACO0815T208-1CRS 005	L1889504-14	Potassium	2010		104	1	08/19/2025 15:03	WG2582202
GACO0815T208-1CRS 005	L1889504-14	Vanadium	19.4		2.08	1	08/19/2025 15:03	WG2582202
GACO0815T208-1CRS 006	L1889504-15	Aluminum	9710		21.8	1	08/19/2025 15:05	WG2582202
GACO0815T208-1CRS 006	L1889504-15	Beryllium	0.523		0.218	1	08/19/2025 15:05	WG2582202
GACO0815T208-1CRS 006	L1889504-15	Calcium	3760		109	1	08/19/2025 15:05	WG2582202
GACO0815T208-1CRS 006	L1889504-15	Chromium	9.83		1.09	1	08/19/2025 15:05	WG2582202
GACO0815T208-1CRS 006	L1889504-15	Cobalt	3.28		1.09	1	08/19/2025 15:05	WG2582202
GACO0815T208-1CRS 006	L1889504-15	Iron	11700		10.9	1	08/19/2025 15:05	WG2582202
GACO0815T208-1CRS 006	L1889504-15	Magnesium	2240		109	1	08/19/2025 15:05	WG2582202
GACO0815T208-1CRS 006	L1889504-15	Manganese	219		1.09	1	08/19/2025 15:05	WG2582202
GACO0815T208-1CRS 006	L1889504-15	Potassium	2260		109	1	08/19/2025 15:05	WG2582202
GACO0815T208-1CRS 006	L1889504-15	Sodium	112		109	1	08/19/2025 15:05	WG2582202
GACO0815T208-1CRS 006	L1889504-15	Vanadium	20.4		2.18	1	08/19/2025 15:05	WG2582202

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
GACO0815T208-1CRS 007	L1889504-16	Aluminum	6910		20.6	1	08/19/2025 15:06	WG2582202
GACO0815T208-1CRS 007	L1889504-16	Beryllium	0.356		0.206	1	08/19/2025 15:06	WG2582202
GACO0815T208-1CRS 007	L1889504-16	Calcium	8560		103	1	08/19/2025 15:06	WG2582202
GACO0815T208-1CRS 007	L1889504-16	Chromium	7.74		1.03	1	08/19/2025 15:06	WG2582202
GACO0815T208-1CRS 007	L1889504-16	Cobalt	2.45		1.03	1	08/19/2025 15:06	WG2582202
GACO0815T208-1CRS 007	L1889504-16	Iron	9800		10.3	1	08/19/2025 15:06	WG2582202
GACO0815T208-1CRS 007	L1889504-16	Magnesium	2320		103	1	08/19/2025 15:06	WG2582202
GACO0815T208-1CRS 007	L1889504-16	Manganese	154		1.03	1	08/19/2025 15:06	WG2582202
GACO0815T208-1CRS 007	L1889504-16	Potassium	1510		103	1	08/19/2025 15:06	WG2582202
GACO0815T208-1CRS 007	L1889504-16	Sodium	108		103	1	08/19/2025 15:06	WG2582202
GACO0815T208-1CRS 007	L1889504-16	Vanadium	17.9		2.06	1	08/19/2025 15:06	WG2582202
GACO0815T208-1CRS 008	L1889504-17	Aluminum	7290		22.2	1	08/19/2025 15:08	WG2582202
GACO0815T208-1CRS 008	L1889504-17	Beryllium	0.503		0.222	1	08/19/2025 15:08	WG2582202
GACO0815T208-1CRS 008	L1889504-17	Calcium	4680		111	1	08/19/2025 15:08	WG2582202
GACO0815T208-1CRS 008	L1889504-17	Chromium	8.23		1.11	1	08/19/2025 15:08	WG2582202
GACO0815T208-1CRS 008	L1889504-17	Cobalt	3.60		1.11	1	08/19/2025 15:08	WG2582202
GACO0815T208-1CRS 008	L1889504-17	Iron	19100		11.1	1	08/19/2025 15:08	WG2582202
GACO0815T208-1CRS 008	L1889504-17	Magnesium	1880		111	1	08/19/2025 15:08	WG2582202
GACO0815T208-1CRS 008	L1889504-17	Manganese	392		1.11	1	08/19/2025 15:08	WG2582202
GACO0815T208-1CRS 008	L1889504-17	Potassium	2250		111	1	08/19/2025 15:08	WG2582202
GACO0815T208-1CRS 008	L1889504-17	Vanadium	25.0		2.22	1	08/19/2025 15:08	WG2582202

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
GACO0815T208-1CRS 010	L1889504-02	Hot Water Sol. Boron	0.115		0.100	1	08/20/2025 12:08	WG2582970
GACO0815T208-1CRS 011	L1889504-03	Hot Water Sol. Boron	0.232		0.100	1	08/20/2025 12:11	WG2582970
GACO0815T208-1CRC 011	L1889504-04	Hot Water Sol. Boron	0.177		0.100	1	08/20/2025 12:21	WG2582970
GACO0815T208-1CRS 002	L1889504-09	Hot Water Sol. Boron	0.149		0.100	1	08/20/2025 12:30	WG2582970
GACO0815T208-1CRS 003	L1889504-10	Hot Water Sol. Boron	0.233		0.100	1	08/20/2025 12:33	WG2582970
GACO0815T208-1CRC 004	L1889504-12	Hot Water Sol. Boron	0.140		0.100	1	08/20/2025 12:40	WG2582970
GACO0815T208-1CRS 006	L1889504-15	Hot Water Sol. Boron	0.130		0.100	1	08/20/2025 12:46	WG2582970
GACO0815T208-1CRS 008	L1889504-17	Hot Water Sol. Boron	0.125		0.100	1	08/20/2025 14:15	WG2582970

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
GACO0815T208-1CRS009	L1889504-01	Arsenic	3.84		0.105	5	08/20/2025 12:15	WG2582170
GACO0815T208-1CRS009	L1889504-01	Barium	95.8		10.5	5	08/20/2025 12:15	WG2582170
GACO0815T208-1CRS009	L1889504-01	Cadmium	0.329		0.105	5	08/20/2025 12:15	WG2582170
GACO0815T208-1CRS009	L1889504-01	Copper	16.0		10.5	5	08/20/2025 12:15	WG2582170
GACO0815T208-1CRS009	L1889504-01	Lead	16.2		10.5	5	08/20/2025 12:15	WG2582170
GACO0815T208-1CRS009	L1889504-01	Selenium	0.423		0.105	5	08/20/2025 12:15	WG2582170
GACO0815T208-1CRS009	L1889504-01	Zinc	80.9		52.5	5	08/20/2025 12:15	WG2582170
GACO0815T208-1CRS010	L1889504-02	Arsenic	3.58		0.102	5	08/20/2025 12:18	WG2582170
GACO0815T208-1CRS010	L1889504-02	Barium	74.8		10.2	5	08/20/2025 12:18	WG2582170
GACO0815T208-1CRS010	L1889504-02	Cadmium	0.229		0.102	5	08/20/2025 12:18	WG2582170
GACO0815T208-1CRS010	L1889504-02	Copper	10.6		10.2	5	08/20/2025 12:18	WG2582170
GACO0815T208-1CRS010	L1889504-02	Lead	15.3		10.2	5	08/20/2025 12:18	WG2582170
GACO0815T208-1CRS010	L1889504-02	Selenium	0.538		0.102	5	08/20/2025 12:18	WG2582170
GACO0815T208-1CRS010	L1889504-02	Zinc	52.3		50.8	5	08/20/2025 12:18	WG2582170
GACO0815T208-1CRS011	L1889504-03	Arsenic	2.73		0.102	5	08/20/2025 12:21	WG2582170
GACO0815T208-1CRS011	L1889504-03	Barium	69.0		10.2	5	08/20/2025 12:21	WG2582170
GACO0815T208-1CRS011	L1889504-03	Cadmium	0.163		0.102	5	08/20/2025 12:21	WG2582170
GACO0815T208-1CRS011	L1889504-03	Copper	11.0		10.2	5	08/20/2025 12:21	WG2582170
GACO0815T208-1CRS011	L1889504-03	Selenium	0.352		0.102	5	08/20/2025 12:21	WG2582170
GACO0815T208-1CRC011	L1889504-04	Arsenic	2.74		0.102	5	08/20/2025 12:37	WG2582170
GACO0815T208-1CRC011	L1889504-04	Barium	74.4		10.2	5	08/20/2025 12:37	WG2582170
GACO0815T208-1CRC011	L1889504-04	Cadmium	0.129		0.102	5	08/20/2025 12:37	WG2582170
GACO0815T208-1CRC011	L1889504-04	Selenium	0.372		0.102	5	08/20/2025 12:37	WG2582170
GACO0815T208-1CRS001	L1889504-06	Arsenic	3.70		0.103	5	08/19/2025 15:14	WG2582163
GACO0815T208-1CRS001	L1889504-06	Barium	86.3		10.3	5	08/19/2025 15:14	WG2582163
GACO0815T208-1CRS001	L1889504-06	Cadmium	0.226		0.103	5	08/19/2025 15:14	WG2582163
GACO0815T208-1CRS001	L1889504-06	Lead	20.0		10.3	5	08/19/2025 15:14	WG2582163
GACO0815T208-1CRS001	L1889504-06	Selenium	0.404		0.103	5	08/19/2025 15:14	WG2582163
GACO0815T208-1CRS001	L1889504-06	Zinc	53.0		51.7	5	08/19/2025 15:14	WG2582163
GACO0815T208-1CRS012	L1889504-07	Arsenic	12.4		0.104	5	08/20/2025 12:40	WG2582170
GACO0815T208-1CRS012	L1889504-07	Barium	66.7		10.4	5	08/20/2025 12:40	WG2582170
GACO0815T208-1CRS012	L1889504-07	Cadmium	0.215		0.104	5	08/20/2025 12:40	WG2582170
GACO0815T208-1CRS012	L1889504-07	Selenium	0.501		0.104	5	08/20/2025 12:40	WG2582170

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
GACO0815T208-1CRS 002	L1889504-09	Arsenic	7.38		0.102	5	08/20/2025 12:43	WG2582170
GACO0815T208-1CRS 002	L1889504-09	Barium	97.4		10.2	5	08/20/2025 12:43	WG2582170
GACO0815T208-1CRS 002	L1889504-09	Cadmium	0.411		0.102	5	08/20/2025 12:43	WG2582170
GACO0815T208-1CRS 002	L1889504-09	Copper	13.1		10.2	5	08/20/2025 12:43	WG2582170
GACO0815T208-1CRS 002	L1889504-09	Lead	37.6		10.2	5	08/20/2025 12:43	WG2582170
GACO0815T208-1CRS 002	L1889504-09	Selenium	0.370		0.102	5	08/20/2025 12:43	WG2582170
GACO0815T208-1CRS 002	L1889504-09	Zinc	115		51.2	5	08/20/2025 12:43	WG2582170
GACO0815T208-1CRS 003	L1889504-10	Arsenic	5.92		0.103	5	08/20/2025 12:47	WG2582170
GACO0815T208-1CRS 003	L1889504-10	Barium	92.8		10.3	5	08/20/2025 12:47	WG2582170
GACO0815T208-1CRS 003	L1889504-10	Cadmium	0.271		0.103	5	08/20/2025 12:47	WG2582170
GACO0815T208-1CRS 003	L1889504-10	Copper	11.1		10.3	5	08/20/2025 12:47	WG2582170
GACO0815T208-1CRS 003	L1889504-10	Lead	21.9		10.3	5	08/20/2025 12:47	WG2582170
GACO0815T208-1CRS 003	L1889504-10	Selenium	0.646		0.103	5	08/20/2025 12:47	WG2582170
GACO0815T208-1CRS 003	L1889504-10	Zinc	160		51.6	5	08/20/2025 12:47	WG2582170
GACO0815T208-1CRS 004	L1889504-11	Arsenic	3.98		0.102	5	08/20/2025 12:50	WG2582170
GACO0815T208-1CRS 004	L1889504-11	Barium	76.0		10.2	5	08/20/2025 12:50	WG2582170
GACO0815T208-1CRS 004	L1889504-11	Cadmium	0.274		0.102	5	08/20/2025 12:50	WG2582170
GACO0815T208-1CRS 004	L1889504-11	Copper	10.6		10.2	5	08/20/2025 12:50	WG2582170
GACO0815T208-1CRS 004	L1889504-11	Lead	24.1		10.2	5	08/20/2025 12:50	WG2582170
GACO0815T208-1CRS 004	L1889504-11	Selenium	0.293		0.102	5	08/20/2025 12:50	WG2582170
GACO0815T208-1CRS 004	L1889504-11	Zinc	87.3		51.1	5	08/20/2025 12:50	WG2582170
GACO0815T208-1CRC 004	L1889504-12	Arsenic	5.18		0.103	5	08/20/2025 12:53	WG2582170
GACO0815T208-1CRC 004	L1889504-12	Barium	95.9		10.3	5	08/20/2025 12:53	WG2582170
GACO0815T208-1CRC 004	L1889504-12	Cadmium	0.336		0.103	5	08/20/2025 12:53	WG2582170
GACO0815T208-1CRC 004	L1889504-12	Copper	11.2		10.3	5	08/20/2025 12:53	WG2582170
GACO0815T208-1CRC 004	L1889504-12	Lead	39.7		10.3	5	08/20/2025 12:53	WG2582170
GACO0815T208-1CRC 004	L1889504-12	Selenium	0.467		0.103	5	08/20/2025 12:53	WG2582170
GACO0815T208-1CRC 004	L1889504-12	Zinc	78.6		51.5	5	08/20/2025 12:53	WG2582170
GACO0815T208-1CRS 005	L1889504-14	Arsenic	3.99		0.104	5	08/19/2025 16:42	WG2582163
GACO0815T208-1CRS 005	L1889504-14	Barium	68.3		10.4	5	08/19/2025 16:42	WG2582163
GACO0815T208-1CRS 005	L1889504-14	Cadmium	0.241		0.104	5	08/19/2025 16:42	WG2582163
GACO0815T208-1CRS 005	L1889504-14	Lead	12.9		10.4	5	08/19/2025 16:42	WG2582163
GACO0815T208-1CRS 005	L1889504-14	Selenium	0.491		0.104	5	08/19/2025 16:42	WG2582163

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
GACO0815T208-1CRS006	L1889504-15	Arsenic	5.44		0.109	5	08/19/2025 16:45	WG2582163
GACO0815T208-1CRS006	L1889504-15	Barium	90.3		10.9	5	08/19/2025 16:45	WG2582163
GACO0815T208-1CRS006	L1889504-15	Cadmium	0.788		0.109	5	08/19/2025 16:45	WG2582163
GACO0815T208-1CRS006	L1889504-15	Copper	11.3		10.9	5	08/19/2025 16:45	WG2582163
GACO0815T208-1CRS006	L1889504-15	Lead	36.8		10.9	5	08/19/2025 16:45	WG2582163
GACO0815T208-1CRS006	L1889504-15	Selenium	1.60		0.109	5	08/19/2025 16:45	WG2582163
GACO0815T208-1CRS006	L1889504-15	Zinc	89.7		54.5	5	08/19/2025 16:45	WG2582163
GACO0815T208-1CRS007	L1889504-16	Arsenic	3.83		0.103	5	08/19/2025 16:49	WG2582163
GACO0815T208-1CRS007	L1889504-16	Barium	60.8		10.3	5	08/19/2025 16:49	WG2582163
GACO0815T208-1CRS007	L1889504-16	Cadmium	0.146		0.103	5	08/19/2025 16:49	WG2582163
GACO0815T208-1CRS007	L1889504-16	Selenium	0.636		0.103	5	08/19/2025 16:49	WG2582163
GACO0815T208-1CRS008	L1889504-17	Arsenic	6.25		0.111	5	08/19/2025 16:52	WG2582163
GACO0815T208-1CRS008	L1889504-17	Barium	84.6		11.1	5	08/19/2025 16:52	WG2582163
GACO0815T208-1CRS008	L1889504-17	Cadmium	0.463		0.111	5	08/19/2025 16:52	WG2582163
GACO0815T208-1CRS008	L1889504-17	Lead	24.9		11.1	5	08/19/2025 16:52	WG2582163
GACO0815T208-1CRS008	L1889504-17	Selenium	0.567		0.111	5	08/19/2025 16:52	WG2582163
GACO0815T208-1CRS008	L1889504-17	Zinc	62.8		55.5	5	08/19/2025 16:52	WG2582163

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
GACO0815T208-1CRS009	L1889504-01	C10-C28 Diesel Range	35.3		21.0	5	08/21/2025 02:34	WG2582610
GACO0815T208-1CRS009	L1889504-01	C28-C36 Motor Oil Range	264		21.0	5	08/21/2025 02:34	WG2582610
GACO0815T208-1CRS010	L1889504-02	C10-C28 Diesel Range	6.32		4.07	1	08/22/2025 00:49	WG2582610
GACO0815T208-1CRS010	L1889504-02	C28-C36 Motor Oil Range	23.1		4.07	1	08/22/2025 00:49	WG2582610
GACO0815T208-1CRS011	L1889504-03	C28-C36 Motor Oil Range	1060		817	200	08/21/2025 04:47	WG2582610
GACO0815T208-1CRC011	L1889504-04	C28-C36 Motor Oil Range	198		81.4	20	08/21/2025 15:18	WG2582610
GACO0815T208-1CRS001	L1889504-06	C28-C36 Motor Oil Range	782		207	50	08/21/2025 03:54	WG2582610
GACO0815T208-1CRS012	L1889504-07	C28-C36 Motor Oil Range	8.99		4.17	1	08/22/2025 00:23	WG2582610
GACO0815T208-1CRS002	L1889504-09	C28-C36 Motor Oil Range	319		81.9	20	08/21/2025 03:01	WG2582610
GACO0815T208-1CRS003	L1889504-10	C10-C28 Diesel Range	9.26		4.13	1	08/21/2025 01:15	WG2582610
GACO0815T208-1CRS003	L1889504-10	C28-C36 Motor Oil Range	49.2		4.13	1	08/21/2025 01:15	WG2582610
GACO0815T208-1CRS004	L1889504-11	C10-C28 Diesel Range	14.6		8.17	2	08/21/2025 15:31	WG2582610
GACO0815T208-1CRS004	L1889504-11	C28-C36 Motor Oil Range	90.0		8.17	2	08/21/2025 15:31	WG2582610

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
GACO0815T208-1CRC 004	L1889504-12	C10-C28 Diesel Range	7.31		4.12	1	08/20/2025 19:34	WG2582616
GACO0815T208-1CRC 004	L1889504-12	C28-C36 Motor Oil Range	42.1		4.12	1	08/20/2025 19:34	WG2582616
GACO0815T208-1CRS 005	L1889504-14	C28-C36 Motor Oil Range	12.8		4.15	1	08/20/2025 19:48	WG2582616
GACO0815T208-1CRS 006	L1889504-15	C28-C36 Motor Oil Range	42.8	B	21.8	5	08/20/2025 21:12	WG2582616
GACO0815T208-1CRS 007	L1889504-16	C10-C28 Diesel Range	4.44		4.12	1	08/20/2025 20:16	WG2582616
GACO0815T208-1CRS 007	L1889504-16	C28-C36 Motor Oil Range	26.1		4.12	1	08/20/2025 20:16	WG2582616
GACO0815T208-1CRS 008	L1889504-17	C10-C28 Diesel Range	97.1		88.7	20	08/20/2025 21:40	WG2582616
GACO0815T208-1CRS 008	L1889504-17	C28-C36 Motor Oil Range	826		88.7	20	08/20/2025 21:40	WG2582616

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
GACO0815T208-1CRS 009	L1889504-01	Benzo(a)anthracene	0.0108		0.00630	1	08/21/2025 06:05	WG2583077
GACO0815T208-1CRS 009	L1889504-01	Naphthalene	0.00544		0.00315	1	08/21/2025 06:05	WG2583077
GACO0815T208-1CRS 010	L1889504-02	Benzo(a)anthracene	0.00839		0.00610	1	08/21/2025 05:47	WG2583077
GACO0815T208-1CRS 011	L1889504-03	Benzo(a)anthracene	0.0175		0.00613	1	08/21/2025 13:17	WG2583077
GACO0815T208-1CRS 011	L1889504-03	Benzo(b)fluoranthene	0.0536		0.0337	1	08/21/2025 13:17	WG2583077
GACO0815T208-1CRS 011	L1889504-03	Benzo(g,h,i)perylene	0.0928		0.0337	1	08/21/2025 13:17	WG2583077
GACO0815T208-1CRS 011	L1889504-03	Indeno(1,2,3-cd)pyrene	0.0463		0.0337	1	08/21/2025 13:17	WG2583077
GACO0815T208-1CRC 011	L1889504-04	Benzo(a)anthracene	0.0127		0.00611	1	08/20/2025 23:29	WG2583077
GACO0815T208-1CRC 011	L1889504-04	Benzo(a)pyrene	0.0404		0.0336	1	08/20/2025 23:29	WG2583077
GACO0815T208-1CRC 011	L1889504-04	Benzo(g,h,i)perylene	0.0491		0.0336	1	08/20/2025 23:29	WG2583077
GACO0815T208-1CRC 011	L1889504-04	Indeno(1,2,3-cd)pyrene	0.0489		0.0336	1	08/20/2025 23:29	WG2583077
GACO0815T208-1CRS 002	L1889504-09	Benzo(a)anthracene	0.0191		0.00614	1	08/20/2025 23:09	WG2583077
GACO0815T208-1CRS 002	L1889504-09	Benzo(b)fluoranthene	0.0521		0.0338	1	08/20/2025 23:09	WG2583077
GACO0815T208-1CRS 002	L1889504-09	Benzo(g,h,i)perylene	0.0483		0.0338	1	08/20/2025 23:09	WG2583077
GACO0815T208-1CRS 002	L1889504-09	Fluoranthene	0.0397		0.0338	1	08/20/2025 23:09	WG2583077
GACO0815T208-1CRS 002	L1889504-09	Pyrene	0.0388		0.0338	1	08/20/2025 23:09	WG2583077
GACO0815T208-1CRC 004	L1889504-12	Benzo(a)anthracene	0.00720		0.00619	1	08/21/2025 04:19	WG2583077
GACO0815T208-1CRS 006	L1889504-15	Benzo(a)anthracene	0.0244		0.00654	1	08/21/2025 04:54	WG2583077
GACO0815T208-1CRS 006	L1889504-15	Fluoranthene	0.0435		0.0360	1	08/21/2025 04:54	WG2583077
GACO0815T208-1CRS 006	L1889504-15	Naphthalene	0.00372		0.00327	1	08/21/2025 04:54	WG2583077
GACO0815T208-1CRS 006	L1889504-15	Pyrene	0.0405		0.0360	1	08/21/2025 04:54	WG2583077

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
GACO0815T208-1CRS 008	L1889504-17	Benzo(a)anthracene	0.0203		0.00665	1	08/21/2025 13:37	WG2583077
GACO0815T208-1CRS 008	L1889504-17	Benzo(b)fluoranthene	0.0624		0.0366	1	08/21/2025 13:37	WG2583077
GACO0815T208-1CRS 008	L1889504-17	Benzo(g,h,i)perylene	0.0667		0.0366	1	08/21/2025 13:37	WG2583077
GACO0815T208-1CRS 008	L1889504-17	Fluoranthene	0.0399		0.0366	1	08/21/2025 13:37	WG2583077
GACO0815T208-1CRS 008	L1889504-17	Pyrene	0.0550		0.0366	1	08/21/2025 13:37	WG2583077

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.279		1	08/20/2025 07:23	WG2582953

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	3590		21.6	1	08/25/2025 18:55	WG2581505

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	95.2		1	08/18/2025 13:30	WG2581748

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		10.5	1	08/19/2025 22:18	WG2581842

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	3580		105	5	08/25/2025 18:55	WG2585770

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.210	1	09/04/2025 19:10	WG2590692

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.31		1	08/25/2025 10:55	WG2586981

Sample Narrative:

L1889504-01 WG2586981: 7.31 at 19.1C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	621	umhos/cm		10.0	1	08/20/2025 19:45	WG2583506

Sample Narrative:

L1889504-01 WG2583506: 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	1.03	08/17/2025 15:36	WG2581505

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	12100		500	5	08/21/2025 14:20	WG2581621

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	8000		21.0	1	08/20/2025 09:28	WG2582195
Antimony	ND		2.10	1	08/20/2025 09:28	WG2582195
Beryllium	0.459		0.210	1	08/20/2025 09:28	WG2582195
Calcium	11100		105	1	08/20/2025 09:28	WG2582195
Chromium	12.9		1.05	1	08/20/2025 09:28	WG2582195
Cobalt	3.36		1.05	1	08/20/2025 09:28	WG2582195
Iron	10800		10.5	1	08/20/2025 09:28	WG2582195
Magnesium	2900		105	1	08/20/2025 09:28	WG2582195
Manganese	240		1.05	1	08/20/2025 09:28	WG2582195
Potassium	3050		105	1	08/20/2025 09:28	WG2582195
Sodium	ND		105	1	08/20/2025 09:28	WG2582195
Thallium	ND		2.10	1	08/20/2025 09:28	WG2582195
Vanadium	18.4		2.10	1	08/20/2025 09:28	WG2582195

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	ND		0.100	1	08/20/2025 12:05	WG2582970

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.84		0.105	5	08/20/2025 12:15	WG2582170
Barium	95.8		10.5	5	08/20/2025 12:15	WG2582170
Cadmium	0.329		0.105	5	08/20/2025 12:15	WG2582170
Copper	16.0		10.5	5	08/20/2025 12:15	WG2582170
Lead	16.2		10.5	5	08/20/2025 12:15	WG2582170
Nickel	ND		10.5	5	08/20/2025 12:15	WG2582170
Selenium	0.423		0.105	5	08/20/2025 12:15	WG2582170
Silver	ND		0.525	5	08/20/2025 12:15	WG2582170
Zinc	80.9		52.5	5	08/20/2025 12:15	WG2582170

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		2.75	25	08/17/2025 06:08	WG2581370
(S) a,a,a-Trifluorotoluene(FID)	*102*		*77.0-120*		*08/17/2025 06:08*	WG2581370

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	J3	0.220	2	08/17/2025 11:03	WG2581339
Acrylonitrile	ND		0.0275	2	08/17/2025 11:03	WG2581339
Benzene	ND		0.00220	2	08/17/2025 11:03	WG2581339
Bromobenzene	ND		0.0275	2	08/17/2025 11:03	WG2581339
Bromodichloromethane	ND		0.00551	2	08/17/2025 11:03	WG2581339
Bromoform	ND		0.0551	2	08/17/2025 11:03	WG2581339
Bromomethane	ND		0.0275	2	08/17/2025 11:03	WG2581339
n-Butylbenzene	ND		0.0275	2	08/17/2025 11:03	WG2581339
sec-Butylbenzene	ND		0.0275	2	08/17/2025 11:03	WG2581339
tert-Butylbenzene	ND		0.0110	2	08/17/2025 11:03	WG2581339
Carbon tetrachloride	ND		0.0110	2	08/17/2025 11:03	WG2581339
Chlorobenzene	ND		0.00551	2	08/17/2025 11:03	WG2581339
Chlorodibromomethane	ND		0.00551	2	08/17/2025 11:03	WG2581339

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		0.0220	2	08/17/2025 11:03	WG2581339
Chloroform	ND		0.00551	2	08/17/2025 11:03	WG2581339
Chloromethane	ND		0.0275	2	08/17/2025 11:03	WG2581339
2-Chlorotoluene	ND		0.00551	2	08/17/2025 11:03	WG2581339
4-Chlorotoluene	ND		0.0110	2	08/17/2025 11:03	WG2581339
1,2-Dibromo-3-Chloropropane	ND	C3	0.0551	2	08/17/2025 11:03	WG2581339
1,2-Dibromoethane	ND		0.00551	2	08/17/2025 11:03	WG2581339
Dibromomethane	ND		0.0110	2	08/17/2025 11:03	WG2581339
1,2-Dichlorobenzene	ND		0.0110	2	08/17/2025 11:03	WG2581339
1,3-Dichlorobenzene	ND		0.0110	2	08/17/2025 11:03	WG2581339
1,4-Dichlorobenzene	ND		0.0110	2	08/17/2025 11:03	WG2581339
Dichlorodifluoromethane	ND	J3	0.0110	2	08/17/2025 11:03	WG2581339
1,1-Dichloroethane	ND		0.00551	2	08/17/2025 11:03	WG2581339
1,2-Dichloroethane	ND		0.00551	2	08/17/2025 11:03	WG2581339
1,1-Dichloroethene	ND		0.00551	2	08/17/2025 11:03	WG2581339
cis-1,2-Dichloroethene	ND		0.00551	2	08/17/2025 11:03	WG2581339
trans-1,2-Dichloroethene	ND		0.0110	2	08/17/2025 11:03	WG2581339
1,2-Dichloropropane	ND		0.0110	2	08/17/2025 11:03	WG2581339
1,1-Dichloropropene	ND	J3	0.0110	2	08/17/2025 11:03	WG2581339
1,3-Dichloropropane	ND		0.0110	2	08/17/2025 11:03	WG2581339
cis-1,3-Dichloropropene	ND		0.00551	2	08/17/2025 11:03	WG2581339
trans-1,3-Dichloropropene	ND		0.0110	2	08/17/2025 11:03	WG2581339
2,2-Dichloropropane	ND		0.00551	2	08/17/2025 11:03	WG2581339
Di-isopropyl ether	ND		0.00220	2	08/17/2025 11:03	WG2581339
Ethylbenzene	ND		0.00551	2	08/17/2025 11:03	WG2581339
Hexachloro-1,3-butadiene	ND		0.0551	2	08/17/2025 11:03	WG2581339
Isopropylbenzene	ND		0.00551	2	08/17/2025 11:03	WG2581339
p-Isopropyltoluene	ND		0.0110	2	08/17/2025 11:03	WG2581339
2-Butanone (MEK)	ND	C3	0.220	2	08/17/2025 11:03	WG2581339
Methylene Chloride	ND		0.0551	2	08/17/2025 11:03	WG2581339
4-Methyl-2-pentanone (MIBK)	ND		0.0551	2	08/17/2025 11:03	WG2581339
Methyl tert-butyl ether	ND		0.00220	2	08/17/2025 11:03	WG2581339
n-Propylbenzene	ND		0.0110	2	08/17/2025 11:03	WG2581339
Styrene	ND		0.0275	2	08/17/2025 11:03	WG2581339
1,1,1,2-Tetrachloroethane	ND		0.00551	2	08/17/2025 11:03	WG2581339
1,1,2,2-Tetrachloroethane	ND		0.00551	2	08/17/2025 11:03	WG2581339
1,1,2-Trichlorotrifluoroethane	ND		0.0110	2	08/17/2025 11:03	WG2581339
Tetrachloroethene	ND		0.00551	2	08/17/2025 11:03	WG2581339
Toluene	ND		0.0110	2	08/17/2025 11:03	WG2581339
1,2,3-Trichlorobenzene	ND	C3	0.0275	2	08/17/2025 11:03	WG2581339
1,2,4-Trichlorobenzene	ND		0.0275	2	08/17/2025 11:03	WG2581339
1,1,1-Trichloroethane	ND		0.00551	2	08/17/2025 11:03	WG2581339
1,1,2-Trichloroethane	ND		0.00551	2	08/17/2025 11:03	WG2581339
Trichloroethene	ND		0.00220	2	08/17/2025 11:03	WG2581339
Trichlorofluoromethane	ND		0.00881	2	08/17/2025 11:03	WG2581339
1,2,3-Trichloropropane	ND		0.0275	2	08/17/2025 11:03	WG2581339
1,2,3-Trimethylbenzene	ND		0.0110	2	08/17/2025 11:03	WG2581339
1,2,4-Trimethylbenzene	ND		0.0110	2	08/17/2025 11:03	WG2581339
1,3,5-Trimethylbenzene	ND		0.0110	2	08/17/2025 11:03	WG2581339
Vinyl chloride	ND		0.00551	2	08/17/2025 11:03	WG2581339
Xylenes, Total	ND		0.0143	2	08/17/2025 11:03	WG2581339
(S) Toluene-d8	*97.8*		*75.0-131*		*08/17/2025 11:03*	WG2581339
(S) 4-Bromofluorobenzene	*97.9*		*67.0-138*		*08/17/2025 11:03*	WG2581339
(S) 1,2-Dichloroethane-d4	*104*		*70.0-130*		*08/17/2025 11:03*	WG2581339

Sample Narrative:

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

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

L1889504-01 WG2581339: Dilution due to foam.

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	35.3		21.0	5	08/21/2025 02:34	WG2582610
C28-C36 Motor Oil Range	264		21.0	5	08/21/2025 02:34	WG2582610
(S) o-Terphenyl	*69.6*		*18.0-148*		*08/21/2025 02:34*	WG2582610

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		0.0700	2	08/21/2025 19:31	WG2582648
Benzidine	ND	C3 C6 J4	3.51	2	08/21/2025 19:31	WG2582648
Benzo(g,h,i)perylene	ND		0.0700	2	08/21/2025 19:31	WG2582648
Bis(2-chlorethoxy)methane	ND		0.700	2	08/21/2025 19:31	WG2582648
Bis(2-chloroethyl)ether	ND	C3	0.700	2	08/21/2025 19:31	WG2582648
2,2-Oxybis(1-Chloropropane)	ND		0.700	2	08/21/2025 19:31	WG2582648
4-Bromophenyl-phenylether	ND		0.700	2	08/21/2025 19:31	WG2582648
2-Chloronaphthalene	ND		0.0700	2	08/21/2025 19:31	WG2582648
4-Chlorophenyl-phenylether	ND		0.700	2	08/21/2025 19:31	WG2582648
1,2-Dichlorobenzene	ND		0.700	2	08/21/2025 19:31	WG2582648
1,3-Dichlorobenzene	ND		0.700	2	08/21/2025 19:31	WG2582648
1,4-Dichlorobenzene	ND		0.700	2	08/21/2025 19:31	WG2582648
3,3-Dichlorobenzidine	ND		0.700	2	08/21/2025 19:31	WG2582648
2,4-Dinitrotoluene	ND		0.700	2	08/21/2025 19:31	WG2582648
2,6-Dinitrotoluene	ND		0.700	2	08/21/2025 19:31	WG2582648
Hexachlorobenzene	ND		0.700	2	08/21/2025 19:31	WG2582648
Hexachloro-1,3-butadiene	ND		0.700	2	08/21/2025 19:31	WG2582648
Hexachlorocyclopentadiene	ND	C3	0.700	2	08/21/2025 19:31	WG2582648
Hexachloroethane	ND		0.700	2	08/21/2025 19:31	WG2582648
Isophorone	ND		0.700	2	08/21/2025 19:31	WG2582648
Nitrobenzene	ND		0.700	2	08/21/2025 19:31	WG2582648
n-Nitrosodimethylamine	ND	C3	0.700	2	08/21/2025 19:31	WG2582648
n-Nitrosodiphenylamine	ND		0.700	2	08/21/2025 19:31	WG2582648
n-Nitrosodi-n-propylamine	ND		0.700	2	08/21/2025 19:31	WG2582648
Phenanthrene	ND		0.0700	2	08/21/2025 19:31	WG2582648
Benzylbutyl phthalate	ND		0.700	2	08/21/2025 19:31	WG2582648
Bis(2-ethylhexyl)phthalate	ND		0.700	2	08/21/2025 19:31	WG2582648
Di-n-butyl phthalate	ND		0.700	2	08/21/2025 19:31	WG2582648
Diethyl phthalate	ND		0.700	2	08/21/2025 19:31	WG2582648
Dimethyl phthalate	ND		0.700	2	08/21/2025 19:31	WG2582648
Di-n-octyl phthalate	ND		0.700	2	08/21/2025 19:31	WG2582648
1,2,4-Trichlorobenzene	ND		0.700	2	08/21/2025 19:31	WG2582648
4-Chloro-3-methylphenol	ND		0.700	2	08/21/2025 19:31	WG2582648
2-Chlorophenol	ND		0.700	2	08/21/2025 19:31	WG2582648
2,4-Dichlorophenol	ND		0.700	2	08/21/2025 19:31	WG2582648
2,4-Dimethylphenol	ND	C3	0.700	2	08/21/2025 19:31	WG2582648
4,6-Dinitro-2-methylphenol	ND		0.700	2	08/21/2025 19:31	WG2582648
2,4-Dinitrophenol	ND		0.700	2	08/21/2025 19:31	WG2582648
2-Nitrophenol	ND		0.700	2	08/21/2025 19:31	WG2582648
4-Nitrophenol	ND		0.700	2	08/21/2025 19:31	WG2582648
Pentachlorophenol	ND		0.700	2	08/21/2025 19:31	WG2582648
Phenol	ND		0.700	2	08/21/2025 19:31	WG2582648
2,4,6-Trichlorophenol	ND		0.700	2	08/21/2025 19:31	WG2582648

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-Fluorophenol	*55.4*		*12.0-120*		*08/21/2025 19:31*	WG2582648
(S) Phenol-d5	*51.9*		*10.0-120*		*08/21/2025 19:31*	WG2582648
(S) Nitrobenzene-d5	*43.9*		*10.0-122*		*08/21/2025 19:31*	WG2582648
(S) 2-Fluorobiphenyl	*51.6*		*15.0-120*		*08/21/2025 19:31*	WG2582648
(S) 2,4,6-Tribromophenol	*101*		*10.0-127*		*08/21/2025 19:31*	WG2582648
(S) p-Terphenyl-d14	*63.4*		*10.0-120*		*08/21/2025 19:31*	WG2582648

Sample Narrative:

L1889504-01 WG2582648: 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		0.0347	1	08/21/2025 06:05	WG2583077
Acenaphthene	ND		0.0347	1	08/21/2025 06:05	WG2583077
Acenaphthylene	ND		0.0347	1	08/21/2025 06:05	WG2583077
Benzo(a)anthracene	0.0108		0.00630	1	08/21/2025 06:05	WG2583077
Benzo(a)pyrene	ND		0.0347	1	08/21/2025 06:05	WG2583077
Benzo(b)fluoranthene	ND		0.0347	1	08/21/2025 06:05	WG2583077
Benzo(g,h,i)perylene	ND		0.0347	1	08/21/2025 06:05	WG2583077
Benzo(k)fluoranthene	ND		0.0347	1	08/21/2025 06:05	WG2583077
Chrysene	ND		0.0347	1	08/21/2025 06:05	WG2583077
Dibenz(a,h)anthracene	ND		0.0347	1	08/21/2025 06:05	WG2583077
Fluoranthene	ND		0.0347	1	08/21/2025 06:05	WG2583077
Fluorene	ND		0.0347	1	08/21/2025 06:05	WG2583077
Indeno(1,2,3-cd)pyrene	ND		0.0347	1	08/21/2025 06:05	WG2583077
Naphthalene	0.00544		0.00315	1	08/21/2025 06:05	WG2583077
Phenanthrene	ND		0.0347	1	08/21/2025 06:05	WG2583077
Pyrene	ND		0.0347	1	08/21/2025 06:05	WG2583077
1-Methylnaphthalene	ND		0.00315	1	08/21/2025 06:05	WG2583077
2-Methylnaphthalene	ND		0.0126	1	08/21/2025 06:05	WG2583077
(S) p-Terphenyl-d14	*91.9*		*23.0-120*		*08/21/2025 06:05*	WG2583077
(S) Nitrobenzene-d5	*89.5*		*14.0-149*		*08/21/2025 06:05*	WG2583077
(S) 2-Fluorobiphenyl	*92.7*		*34.0-125*		*08/21/2025 06:05*	WG2583077

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	3.29		1	08/20/2025 07:25	WG2582953

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	771		102	1	08/25/2025 18:56	WG2581505

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	98.4		1	08/18/2025 13:30	WG2581748

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		10.2	1	08/19/2025 22:19	WG2581842

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	613		102	5	08/25/2025 18:56	WG2585770

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.203	1	09/04/2025 19:37	WG2590692

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.22		1	08/20/2025 16:08	WG2583504

Sample Narrative:

L1889504-02 WG2583504: 8.22 at 21.3C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	2240	umhos/cm		10.0	1	08/20/2025 19:45	WG2583506

Sample Narrative:

L1889504-02 WG2583506: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	158		103	5.05	08/17/2025 15:50	WG2581505

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	5100		500	5	08/21/2025 14:20	WG2581621

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	8440		20.3	1	08/20/2025 09:29	WG2582195
Antimony	ND		2.03	1	08/20/2025 09:29	WG2582195
Beryllium	0.453		0.203	1	08/20/2025 09:29	WG2582195
Calcium	8030		102	1	08/20/2025 09:29	WG2582195
Chromium	8.78		1.02	1	08/20/2025 09:29	WG2582195
Cobalt	4.34		1.02	1	08/20/2025 09:29	WG2582195
Iron	11200		10.2	1	08/20/2025 09:29	WG2582195
Magnesium	2470		102	1	08/20/2025 09:29	WG2582195
Manganese	211		1.02	1	08/20/2025 09:29	WG2582195
Potassium	4120		102	1	08/20/2025 09:29	WG2582195
Sodium	224		102	1	08/20/2025 09:29	WG2582195
Thallium	ND		2.03	1	08/20/2025 09:29	WG2582195
Vanadium	19.2		2.03	1	08/20/2025 09:29	WG2582195

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	0.115		0.100	1	08/20/2025 12:08	WG2582970

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.58		0.102	5	08/20/2025 12:18	WG2582170
Barium	74.8		10.2	5	08/20/2025 12:18	WG2582170
Cadmium	0.229		0.102	5	08/20/2025 12:18	WG2582170
Copper	10.6		10.2	5	08/20/2025 12:18	WG2582170
Lead	15.3		10.2	5	08/20/2025 12:18	WG2582170
Nickel	ND		10.2	5	08/20/2025 12:18	WG2582170
Selenium	0.538		0.102	5	08/20/2025 12:18	WG2582170
Silver	ND		0.508	5	08/20/2025 12:18	WG2582170
Zinc	52.3		50.8	5	08/20/2025 12:18	WG2582170

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		2.58	25	08/17/2025 06:35	WG2581370
(S) a,a,a-Trifluorotoluene(FID)	*101*		*77.0-120*		*08/17/2025 06:35*	WG2581370

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	J3	0.103	1	08/17/2025 10:43	WG2581339
Acrylonitrile	ND		0.0129	1	08/17/2025 10:43	WG2581339
Benzene	ND		0.00103	1	08/17/2025 10:43	WG2581339
Bromobenzene	ND		0.0129	1	08/17/2025 10:43	WG2581339
Bromodichloromethane	ND		0.00258	1	08/17/2025 10:43	WG2581339
Bromoform	ND		0.0258	1	08/17/2025 10:43	WG2581339
Bromomethane	ND		0.0129	1	08/17/2025 10:43	WG2581339
n-Butylbenzene	ND		0.0129	1	08/17/2025 10:43	WG2581339
sec-Butylbenzene	ND		0.0129	1	08/17/2025 10:43	WG2581339
tert-Butylbenzene	ND		0.00517	1	08/17/2025 10:43	WG2581339
Carbon tetrachloride	ND		0.00517	1	08/17/2025 10:43	WG2581339
Chlorobenzene	ND		0.00258	1	08/17/2025 10:43	WG2581339
Chlorodibromomethane	ND		0.00258	1	08/17/2025 10:43	WG2581339

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		0.0103	1	08/17/2025 10:43	WG2581339
Chloroform	ND		0.00258	1	08/17/2025 10:43	WG2581339
Chloromethane	ND		0.0129	1	08/17/2025 10:43	WG2581339
2-Chlorotoluene	ND		0.00258	1	08/17/2025 10:43	WG2581339
4-Chlorotoluene	ND		0.00517	1	08/17/2025 10:43	WG2581339
1,2-Dibromo-3-Chloropropane	ND	C3	0.0258	1	08/17/2025 10:43	WG2581339
1,2-Dibromoethane	ND		0.00258	1	08/17/2025 10:43	WG2581339
Dibromomethane	ND		0.00517	1	08/17/2025 10:43	WG2581339
1,2-Dichlorobenzene	ND		0.00517	1	08/17/2025 10:43	WG2581339
1,3-Dichlorobenzene	ND		0.00517	1	08/17/2025 10:43	WG2581339
1,4-Dichlorobenzene	ND		0.00517	1	08/17/2025 10:43	WG2581339
Dichlorodifluoromethane	ND	J3	0.00517	1	08/17/2025 10:43	WG2581339
1,1-Dichloroethane	ND		0.00258	1	08/17/2025 10:43	WG2581339
1,2-Dichloroethane	ND		0.00258	1	08/17/2025 10:43	WG2581339
1,1-Dichloroethene	ND		0.00258	1	08/17/2025 10:43	WG2581339
cis-1,2-Dichloroethene	ND		0.00258	1	08/17/2025 10:43	WG2581339
trans-1,2-Dichloroethene	ND		0.00517	1	08/17/2025 10:43	WG2581339
1,2-Dichloropropane	ND		0.00517	1	08/17/2025 10:43	WG2581339
1,1-Dichloropropene	ND	J3	0.00517	1	08/17/2025 10:43	WG2581339
1,3-Dichloropropane	ND		0.00517	1	08/17/2025 10:43	WG2581339
cis-1,3-Dichloropropene	ND		0.00258	1	08/17/2025 10:43	WG2581339
trans-1,3-Dichloropropene	ND		0.00517	1	08/17/2025 10:43	WG2581339
2,2-Dichloropropane	ND		0.00258	1	08/17/2025 10:43	WG2581339
Di-isopropyl ether	ND		0.00103	1	08/17/2025 10:43	WG2581339
Ethylbenzene	ND		0.00258	1	08/17/2025 10:43	WG2581339
Hexachloro-1,3-butadiene	ND		0.0258	1	08/17/2025 10:43	WG2581339
Isopropylbenzene	ND		0.00258	1	08/17/2025 10:43	WG2581339
p-Isopropyltoluene	ND		0.00517	1	08/17/2025 10:43	WG2581339
2-Butanone (MEK)	ND	C3	0.103	1	08/17/2025 10:43	WG2581339
Methylene Chloride	ND		0.0258	1	08/17/2025 10:43	WG2581339
4-Methyl-2-pentanone (MIBK)	ND		0.0258	1	08/17/2025 10:43	WG2581339
Methyl tert-butyl ether	ND		0.00103	1	08/17/2025 10:43	WG2581339
n-Propylbenzene	ND		0.00517	1	08/17/2025 10:43	WG2581339
Styrene	ND		0.0129	1	08/17/2025 10:43	WG2581339
1,1,1,2-Tetrachloroethane	ND		0.00258	1	08/17/2025 10:43	WG2581339
1,1,2,2-Tetrachloroethane	ND		0.00258	1	08/17/2025 10:43	WG2581339
1,1,2-Trichlorotrifluoroethane	ND		0.00517	1	08/17/2025 10:43	WG2581339
Tetrachloroethene	ND		0.00258	1	08/17/2025 10:43	WG2581339
Toluene	ND		0.00517	1	08/17/2025 10:43	WG2581339
1,2,3-Trichlorobenzene	ND	C3	0.0129	1	08/17/2025 10:43	WG2581339
1,2,4-Trichlorobenzene	ND		0.0129	1	08/17/2025 10:43	WG2581339
1,1,1-Trichloroethane	ND		0.00258	1	08/17/2025 10:43	WG2581339
1,1,2-Trichloroethane	ND		0.00258	1	08/17/2025 10:43	WG2581339
Trichloroethene	ND		0.00103	1	08/17/2025 10:43	WG2581339
Trichlorofluoromethane	ND		0.00413	1	08/17/2025 10:43	WG2581339
1,2,3-Trichloropropane	ND		0.0129	1	08/17/2025 10:43	WG2581339
1,2,3-Trimethylbenzene	ND		0.00517	1	08/17/2025 10:43	WG2581339
1,2,4-Trimethylbenzene	ND		0.00517	1	08/17/2025 10:43	WG2581339
1,3,5-Trimethylbenzene	ND		0.00517	1	08/17/2025 10:43	WG2581339
Vinyl chloride	ND		0.00258	1	08/17/2025 10:43	WG2581339
Xylenes, Total	ND		0.00672	1	08/17/2025 10:43	WG2581339
(S) Toluene-d8	*99.8*		*75.0-131*		*08/17/2025 10:43*	WG2581339
(S) 4-Bromofluorobenzene	*98.7*		*67.0-138*		*08/17/2025 10:43*	WG2581339
(S) 1,2-Dichloroethane-d4	*101*		*70.0-130*		*08/17/2025 10:43*	WG2581339

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	6.32		4.07	1	08/22/2025 00:49	WG2582610
C28-C36 Motor Oil Range	23.1		4.07	1	08/22/2025 00:49	WG2582610
(S) o-Terphenyl	*63.2*		*18.0-148*		*08/22/2025 00:49*	WG2582610

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		0.0677	2	08/21/2025 19:54	WG2582648
Benzidine	ND	C3 C6 J4	3.40	2	08/21/2025 19:54	WG2582648
Benzo(g,h,i)perylene	ND		0.0677	2	08/21/2025 19:54	WG2582648
Bis(2-chlorethoxy)methane	ND		0.677	2	08/21/2025 19:54	WG2582648
Bis(2-chloroethyl)ether	ND	C3	0.677	2	08/21/2025 19:54	WG2582648
2,2-Oxybis(1-Chloropropane)	ND		0.677	2	08/21/2025 19:54	WG2582648
4-Bromophenyl-phenylether	ND		0.677	2	08/21/2025 19:54	WG2582648
2-Chloronaphthalene	ND		0.0677	2	08/21/2025 19:54	WG2582648
4-Chlorophenyl-phenylether	ND		0.677	2	08/21/2025 19:54	WG2582648
1,2-Dichlorobenzene	ND		0.677	2	08/21/2025 19:54	WG2582648
1,3-Dichlorobenzene	ND		0.677	2	08/21/2025 19:54	WG2582648
1,4-Dichlorobenzene	ND		0.677	2	08/21/2025 19:54	WG2582648
3,3-Dichlorobenzidine	ND		0.677	2	08/21/2025 19:54	WG2582648
2,4-Dinitrotoluene	ND		0.677	2	08/21/2025 19:54	WG2582648
2,6-Dinitrotoluene	ND		0.677	2	08/21/2025 19:54	WG2582648
Hexachlorobenzene	ND		0.677	2	08/21/2025 19:54	WG2582648
Hexachloro-1,3-butadiene	ND		0.677	2	08/21/2025 19:54	WG2582648
Hexachlorocyclopentadiene	ND	C3	0.677	2	08/21/2025 19:54	WG2582648
Hexachloroethane	ND		0.677	2	08/21/2025 19:54	WG2582648
Isophorone	ND		0.677	2	08/21/2025 19:54	WG2582648
Nitrobenzene	ND		0.677	2	08/21/2025 19:54	WG2582648
n-Nitrosodimethylamine	ND	C3	0.677	2	08/21/2025 19:54	WG2582648
n-Nitrosodiphenylamine	ND		0.677	2	08/21/2025 19:54	WG2582648
n-Nitrosodi-n-propylamine	ND		0.677	2	08/21/2025 19:54	WG2582648
Phenanthrene	ND		0.0677	2	08/21/2025 19:54	WG2582648
Benzylbutyl phthalate	ND		0.677	2	08/21/2025 19:54	WG2582648
Bis(2-ethylhexyl)phthalate	ND		0.677	2	08/21/2025 19:54	WG2582648
Di-n-butyl phthalate	ND		0.677	2	08/21/2025 19:54	WG2582648
Diethyl phthalate	ND		0.677	2	08/21/2025 19:54	WG2582648
Dimethyl phthalate	ND		0.677	2	08/21/2025 19:54	WG2582648
Di-n-octyl phthalate	ND		0.677	2	08/21/2025 19:54	WG2582648
1,2,4-Trichlorobenzene	ND		0.677	2	08/21/2025 19:54	WG2582648
4-Chloro-3-methylphenol	ND		0.677	2	08/21/2025 19:54	WG2582648
2-Chlorophenol	ND		0.677	2	08/21/2025 19:54	WG2582648
2,4-Dichlorophenol	ND		0.677	2	08/21/2025 19:54	WG2582648
2,4-Dimethylphenol	ND	C3	0.677	2	08/21/2025 19:54	WG2582648
4,6-Dinitro-2-methylphenol	ND		0.677	2	08/21/2025 19:54	WG2582648
2,4-Dinitrophenol	ND		0.677	2	08/21/2025 19:54	WG2582648
2-Nitrophenol	ND		0.677	2	08/21/2025 19:54	WG2582648
4-Nitrophenol	ND		0.677	2	08/21/2025 19:54	WG2582648
Pentachlorophenol	ND		0.677	2	08/21/2025 19:54	WG2582648
Phenol	ND		0.677	2	08/21/2025 19:54	WG2582648
2,4,6-Trichlorophenol	ND		0.677	2	08/21/2025 19:54	WG2582648
(S) 2-Fluorophenol	*54.9*		*12.0-120*		*08/21/2025 19:54*	WG2582648
(S) Phenol-d5	*53.7*		*10.0-120*		*08/21/2025 19:54*	WG2582648
(S) Nitrobenzene-d5	*42.4*		*10.0-122*		*08/21/2025 19:54*	WG2582648
(S) 2-Fluorobiphenyl	*54.1*		*15.0-120*		*08/21/2025 19:54*	WG2582648
(S) 2,4,6-Tribromophenol	*104*		*10.0-127*		*08/21/2025 19:54*	WG2582648
(S) p-Terphenyl-d14	*66.6*		*10.0-120*		*08/21/2025 19:54*	WG2582648

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:

L1889504-02 WG2582648: 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		0.0336	1	08/21/2025 05:47	WG2583077
Acenaphthene	ND		0.0336	1	08/21/2025 05:47	WG2583077
Acenaphthylene	ND		0.0336	1	08/21/2025 05:47	WG2583077
Benzo(a)anthracene	0.00839		0.00610	1	08/21/2025 05:47	WG2583077
Benzo(a)pyrene	ND		0.0336	1	08/21/2025 05:47	WG2583077
Benzo(b)fluoranthene	ND		0.0336	1	08/21/2025 05:47	WG2583077
Benzo(g,h,i)perylene	ND		0.0336	1	08/21/2025 05:47	WG2583077
Benzo(k)fluoranthene	ND		0.0336	1	08/21/2025 05:47	WG2583077
Chrysene	ND		0.0336	1	08/21/2025 05:47	WG2583077
Dibenz(a,h)anthracene	ND		0.0336	1	08/21/2025 05:47	WG2583077
Fluoranthene	ND		0.0336	1	08/21/2025 05:47	WG2583077
Fluorene	ND		0.0336	1	08/21/2025 05:47	WG2583077
Indeno(1,2,3-cd)pyrene	ND		0.0336	1	08/21/2025 05:47	WG2583077
Naphthalene	ND		0.00305	1	08/21/2025 05:47	WG2583077
Phenanthrene	ND		0.0336	1	08/21/2025 05:47	WG2583077
Pyrene	ND		0.0336	1	08/21/2025 05:47	WG2583077
1-Methylnaphthalene	ND		0.00305	1	08/21/2025 05:47	WG2583077
2-Methylnaphthalene	ND		0.0122	1	08/21/2025 05:47	WG2583077
(S) p-Terphenyl-d14	*112*		*23.0-120*		*08/21/2025 05:47*	WG2583077
(S) Nitrobenzene-d5	*111*		*14.0-149*		*08/21/2025 05:47*	WG2583077
(S) 2-Fluorobiphenyl	*110*		*34.0-125*		*08/21/2025 05:47*	WG2583077

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	5.49		1	08/20/2025 07:28	WG2582953

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	858		102	1	08/25/2025 18:58	WG2581505

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	97.9		1	08/18/2025 13:30	WG2581748

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		10.2	1	08/19/2025 22:21	WG2581842

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	742		102	5	08/25/2025 18:58	WG2585770

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.204	1	09/04/2025 19:46	WG2590692

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.42		1	08/20/2025 16:08	WG2583504

Sample Narrative:

L1889504-03 WG2583504: 8.42 at 21.4C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1220	umhos/cm		10.0	1	08/20/2025 19:45	WG2583506

Sample Narrative:

L1889504-03 WG2583506: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	116		102	5	08/17/2025 16:03	WG2581505

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	16000		500	5	08/21/2025 23:23	WG2582717

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	5970		20.4	1	08/20/2025 09:31	WG2582195
Antimony	ND		2.04	1	08/20/2025 09:31	WG2582195
Beryllium	0.306		0.204	1	08/20/2025 09:31	WG2582195
Calcium	5720		102	1	08/20/2025 09:31	WG2582195
Chromium	8.08		1.02	1	08/20/2025 09:31	WG2582195
Cobalt	3.32		1.02	1	08/20/2025 09:31	WG2582195
Iron	8290		10.2	1	08/20/2025 09:31	WG2582195
Magnesium	1900		102	1	08/20/2025 09:31	WG2582195
Manganese	138		1.02	1	08/20/2025 09:31	WG2582195
Potassium	2340		102	1	08/20/2025 09:31	WG2582195
Sodium	387		102	1	08/20/2025 09:31	WG2582195
Thallium	ND		2.04	1	08/20/2025 09:31	WG2582195
Vanadium	15.6		2.04	1	08/20/2025 09:31	WG2582195

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	0.232		0.100	1	08/20/2025 12:11	WG2582970

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.73		0.102	5	08/20/2025 12:21	WG2582170
Barium	69.0		10.2	5	08/20/2025 12:21	WG2582170
Cadmium	0.163		0.102	5	08/20/2025 12:21	WG2582170
Copper	11.0		10.2	5	08/20/2025 12:21	WG2582170
Lead	ND		10.2	5	08/20/2025 12:21	WG2582170
Nickel	ND		10.2	5	08/20/2025 12:21	WG2582170
Selenium	0.352		0.102	5	08/20/2025 12:21	WG2582170
Silver	ND		0.511	5	08/20/2025 12:21	WG2582170
Zinc	ND		51.1	5	08/20/2025 12:21	WG2582170

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		2.61	25	08/17/2025 07:00	WG2581370
(S) a,a,a-Trifluorotoluene(FID)	*101*		*77.0-120*		*08/17/2025 07:00*	WG2581370

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	J3	0.104	1	08/17/2025 10:22	WG2581339
Acrylonitrile	ND		0.0130	1	08/17/2025 10:22	WG2581339
Benzene	ND		0.00104	1	08/17/2025 10:22	WG2581339
Bromobenzene	ND		0.0130	1	08/17/2025 10:22	WG2581339
Bromodichloromethane	ND		0.00261	1	08/17/2025 10:22	WG2581339
Bromoform	ND		0.0261	1	08/17/2025 10:22	WG2581339
Bromomethane	ND		0.0130	1	08/17/2025 10:22	WG2581339
n-Butylbenzene	ND		0.0130	1	08/17/2025 10:22	WG2581339
sec-Butylbenzene	ND		0.0130	1	08/17/2025 10:22	WG2581339
tert-Butylbenzene	ND		0.00522	1	08/17/2025 10:22	WG2581339
Carbon tetrachloride	ND		0.00522	1	08/17/2025 10:22	WG2581339
Chlorobenzene	ND		0.00261	1	08/17/2025 10:22	WG2581339
Chlorodibromomethane	ND		0.00261	1	08/17/2025 10:22	WG2581339

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		0.0104	1	08/17/2025 10:22	WG2581339
Chloroform	ND		0.00261	1	08/17/2025 10:22	WG2581339
Chloromethane	ND		0.0130	1	08/17/2025 10:22	WG2581339
2-Chlorotoluene	ND		0.00261	1	08/17/2025 10:22	WG2581339
4-Chlorotoluene	ND		0.00522	1	08/17/2025 10:22	WG2581339
1,2-Dibromo-3-Chloropropane	ND	C3	0.0261	1	08/17/2025 10:22	WG2581339
1,2-Dibromoethane	ND		0.00261	1	08/17/2025 10:22	WG2581339
Dibromomethane	ND		0.00522	1	08/17/2025 10:22	WG2581339
1,2-Dichlorobenzene	ND		0.00522	1	08/17/2025 10:22	WG2581339
1,3-Dichlorobenzene	ND		0.00522	1	08/17/2025 10:22	WG2581339
1,4-Dichlorobenzene	ND		0.00522	1	08/17/2025 10:22	WG2581339
Dichlorodifluoromethane	ND	J3	0.00522	1	08/17/2025 10:22	WG2581339
1,1-Dichloroethane	ND		0.00261	1	08/17/2025 10:22	WG2581339
1,2-Dichloroethane	ND		0.00261	1	08/17/2025 10:22	WG2581339
1,1-Dichloroethene	ND		0.00261	1	08/17/2025 10:22	WG2581339
cis-1,2-Dichloroethene	ND		0.00261	1	08/17/2025 10:22	WG2581339
trans-1,2-Dichloroethene	ND		0.00522	1	08/17/2025 10:22	WG2581339
1,2-Dichloropropane	ND		0.00522	1	08/17/2025 10:22	WG2581339
1,1-Dichloropropene	ND	J3	0.00522	1	08/17/2025 10:22	WG2581339
1,3-Dichloropropane	ND		0.00522	1	08/17/2025 10:22	WG2581339
cis-1,3-Dichloropropene	ND		0.00261	1	08/17/2025 10:22	WG2581339
trans-1,3-Dichloropropene	ND		0.00522	1	08/17/2025 10:22	WG2581339
2,2-Dichloropropane	ND		0.00261	1	08/17/2025 10:22	WG2581339
Di-isopropyl ether	ND		0.00104	1	08/17/2025 10:22	WG2581339
Ethylbenzene	ND		0.00261	1	08/17/2025 10:22	WG2581339
Hexachloro-1,3-butadiene	ND		0.0261	1	08/17/2025 10:22	WG2581339
Isopropylbenzene	ND		0.00261	1	08/17/2025 10:22	WG2581339
p-Isopropyltoluene	ND		0.00522	1	08/17/2025 10:22	WG2581339
2-Butanone (MEK)	ND	C3	0.104	1	08/17/2025 10:22	WG2581339
Methylene Chloride	ND		0.0261	1	08/17/2025 10:22	WG2581339
4-Methyl-2-pentanone (MIBK)	ND		0.0261	1	08/17/2025 10:22	WG2581339
Methyl tert-butyl ether	ND		0.00104	1	08/17/2025 10:22	WG2581339
n-Propylbenzene	ND		0.00522	1	08/17/2025 10:22	WG2581339
Styrene	ND		0.0130	1	08/17/2025 10:22	WG2581339
1,1,1,2-Tetrachloroethane	ND		0.00261	1	08/17/2025 10:22	WG2581339
1,1,2,2-Tetrachloroethane	ND		0.00261	1	08/17/2025 10:22	WG2581339
1,1,2-Trichlorotrifluoroethane	ND		0.00522	1	08/17/2025 10:22	WG2581339
Tetrachloroethene	ND		0.00261	1	08/17/2025 10:22	WG2581339
Toluene	ND		0.00522	1	08/17/2025 10:22	WG2581339
1,2,3-Trichlorobenzene	ND	C3	0.0130	1	08/17/2025 10:22	WG2581339
1,2,4-Trichlorobenzene	ND		0.0130	1	08/17/2025 10:22	WG2581339
1,1,1-Trichloroethane	ND		0.00261	1	08/17/2025 10:22	WG2581339
1,1,2-Trichloroethane	ND		0.00261	1	08/17/2025 10:22	WG2581339
Trichloroethene	ND		0.00104	1	08/17/2025 10:22	WG2581339
Trichlorofluoromethane	ND		0.00417	1	08/17/2025 10:22	WG2581339
1,2,3-Trichloropropane	ND		0.0130	1	08/17/2025 10:22	WG2581339
1,2,3-Trimethylbenzene	ND		0.00522	1	08/17/2025 10:22	WG2581339
1,2,4-Trimethylbenzene	ND		0.00522	1	08/17/2025 10:22	WG2581339
1,3,5-Trimethylbenzene	ND		0.00522	1	08/17/2025 10:22	WG2581339
Vinyl chloride	ND		0.00261	1	08/17/2025 10:22	WG2581339
Xylenes, Total	ND		0.00678	1	08/17/2025 10:22	WG2581339
(S) Toluene-d8	*98.4*		*75.0-131*		*08/17/2025 10:22*	WG2581339
(S) 4-Bromofluorobenzene	*97.8*		*67.0-138*		*08/17/2025 10:22*	WG2581339
(S) 1,2-Dichloroethane-d4	*100*		*70.0-130*		*08/17/2025 10:22*	WG2581339

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		817	200	08/21/2025 04:47	WG2582610
C28-C36 Motor Oil Range	1060		817	200	08/21/2025 04:47	WG2582610
(S) o-Terphenyl	*0.000*	J7	*18.0-148*		*08/21/2025 04:47*	WG2582610

Sample Narrative:

L1889504-03 WG2582610: 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		0.340	10	08/21/2025 22:10	WG2582648
Benzidine	ND	C3 C6 J4	17.1	10	08/21/2025 22:10	WG2582648
Benzo(g,h,i)perylene	ND		0.340	10	08/21/2025 22:10	WG2582648
Bis(2-chlorethoxy)methane	ND		3.40	10	08/21/2025 22:10	WG2582648
Bis(2-chloroethyl)ether	ND	C3	3.40	10	08/21/2025 22:10	WG2582648
2,2-Oxybis(1-Chloropropane)	ND		3.40	10	08/21/2025 22:10	WG2582648
4-Bromophenyl-phenylether	ND		3.40	10	08/21/2025 22:10	WG2582648
2-Chloronaphthalene	ND		0.340	10	08/21/2025 22:10	WG2582648
4-Chlorophenyl-phenylether	ND		3.40	10	08/21/2025 22:10	WG2582648
1,2-Dichlorobenzene	ND		3.40	10	08/21/2025 22:10	WG2582648
1,3-Dichlorobenzene	ND		3.40	10	08/21/2025 22:10	WG2582648
1,4-Dichlorobenzene	ND		3.40	10	08/21/2025 22:10	WG2582648
3,3-Dichlorobenzidine	ND		3.40	10	08/21/2025 22:10	WG2582648
2,4-Dinitrotoluene	ND		3.40	10	08/21/2025 22:10	WG2582648
2,6-Dinitrotoluene	ND		3.40	10	08/21/2025 22:10	WG2582648
Hexachlorobenzene	ND		3.40	10	08/21/2025 22:10	WG2582648
Hexachloro-1,3-butadiene	ND		3.40	10	08/21/2025 22:10	WG2582648
Hexachlorocyclopentadiene	ND	C3	3.40	10	08/21/2025 22:10	WG2582648
Hexachloroethane	ND		3.40	10	08/21/2025 22:10	WG2582648
Isophorone	ND		3.40	10	08/21/2025 22:10	WG2582648
Nitrobenzene	ND		3.40	10	08/21/2025 22:10	WG2582648
n-Nitrosodimethylamine	ND	C3	3.40	10	08/21/2025 22:10	WG2582648
n-Nitrosodiphenylamine	ND		3.40	10	08/21/2025 22:10	WG2582648
n-Nitrosodi-n-propylamine	ND		3.40	10	08/21/2025 22:10	WG2582648
Phenanthrene	ND		0.340	10	08/21/2025 22:10	WG2582648
Benzylbutyl phthalate	ND		3.40	10	08/21/2025 22:10	WG2582648
Bis(2-ethylhexyl)phthalate	ND		3.40	10	08/21/2025 22:10	WG2582648
Di-n-butyl phthalate	ND		3.40	10	08/21/2025 22:10	WG2582648
Diethyl phthalate	ND		3.40	10	08/21/2025 22:10	WG2582648
Dimethyl phthalate	ND		3.40	10	08/21/2025 22:10	WG2582648
Di-n-octyl phthalate	ND		3.40	10	08/21/2025 22:10	WG2582648
1,2,4-Trichlorobenzene	ND		3.40	10	08/21/2025 22:10	WG2582648
4-Chloro-3-methylphenol	ND		3.40	10	08/21/2025 22:10	WG2582648
2-Chlorophenol	ND		3.40	10	08/21/2025 22:10	WG2582648
2,4-Dichlorophenol	ND		3.40	10	08/21/2025 22:10	WG2582648
2,4-Dimethylphenol	ND	C3	3.40	10	08/21/2025 22:10	WG2582648
4,6-Dinitro-2-methylphenol	ND		3.40	10	08/21/2025 22:10	WG2582648
2,4-Dinitrophenol	ND		3.40	10	08/21/2025 22:10	WG2582648
2-Nitrophenol	ND		3.40	10	08/21/2025 22:10	WG2582648
4-Nitrophenol	ND		3.40	10	08/21/2025 22:10	WG2582648
Pentachlorophenol	ND		3.40	10	08/21/2025 22:10	WG2582648
Phenol	ND		3.40	10	08/21/2025 22:10	WG2582648
2,4,6-Trichlorophenol	ND		3.40	10	08/21/2025 22:10	WG2582648
(S) 2-Fluorophenol	*61.9*		*12.0-120*		*08/21/2025 22:10*	WG2582648
(S) Phenol-d5	*74.9*		*10.0-120*		*08/21/2025 22:10*	WG2582648
(S) Nitrobenzene-d5	*47.1*		*10.0-122*		*08/21/2025 22:10*	WG2582648

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	*58.5*		*15.0-120*		*08/21/2025 22:10*	WG2582648
(S) 2,4,6-Tribromophenol	*92.9*		*10.0-127*		*08/21/2025 22:10*	WG2582648
(S) p-Terphenyl-d14	*57.3*		*10.0-120*		*08/21/2025 22:10*	WG2582648

Sample Narrative:

L1889504-03 WG2582648: 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		0.0337	1	08/21/2025 13:17	WG2583077
Acenaphthene	ND		0.0337	1	08/21/2025 13:17	WG2583077
Acenaphthylene	ND		0.0337	1	08/21/2025 13:17	WG2583077
Benzo(a)anthracene	0.0175		0.00613	1	08/21/2025 13:17	WG2583077
Benzo(a)pyrene	ND		0.0337	1	08/21/2025 13:17	WG2583077
Benzo(b)fluoranthene	0.0536		0.0337	1	08/21/2025 13:17	WG2583077
Benzo(g,h,i)perylene	0.0928		0.0337	1	08/21/2025 13:17	WG2583077
Benzo(k)fluoranthene	ND		0.0337	1	08/21/2025 13:17	WG2583077
Chrysene	ND		0.0337	1	08/21/2025 13:17	WG2583077
Dibenz(a,h)anthracene	ND		0.0337	1	08/21/2025 13:17	WG2583077
Fluoranthene	ND		0.0337	1	08/21/2025 13:17	WG2583077
Fluorene	ND		0.0337	1	08/21/2025 13:17	WG2583077
Indeno(1,2,3-cd)pyrene	0.0463		0.0337	1	08/21/2025 13:17	WG2583077
Naphthalene	ND		0.00307	1	08/21/2025 13:17	WG2583077
Phenanthrene	ND		0.0337	1	08/21/2025 13:17	WG2583077
Pyrene	ND		0.0337	1	08/21/2025 13:17	WG2583077
1-Methylnaphthalene	ND		0.00307	1	08/21/2025 13:17	WG2583077
2-Methylnaphthalene	ND		0.0123	1	08/21/2025 13:17	WG2583077
(S) p-Terphenyl-d14	*119*		*23.0-120*		*08/21/2025 13:17*	WG2583077
(S) Nitrobenzene-d5	*120*		*14.0-149*		*08/21/2025 13:17*	WG2583077
(S) 2-Fluorobiphenyl	*117*		*34.0-125*		*08/21/2025 13:17*	WG2583077

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	5.20		1	08/20/2025 07:31	WG2582953

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	429		20.4	1	08/25/2025 19:00	WG2581505

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	98.2		1	08/18/2025 13:30	WG2581748

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		10.2	1	08/19/2025 22:22	WG2581842

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	389		102	5	08/25/2025 19:00	WG2585770

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.204	1	09/04/2025 19:55	WG2590692

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.91		1	08/20/2025 16:08	WG2583504

Sample Narrative:

L1889504-04 WG2583504: 7.91 at 21.2C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	2170	umhos/cm		10.0	1	08/20/2025 19:45	WG2583506

Sample Narrative:

L1889504-04 WG2583506: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	40.0		20.4	1	08/17/2025 16:17	WG2581505

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	3600		400	4	08/21/2025 14:20	WG2581621

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	6550		20.4	1	08/20/2025 09:36	WG2582195
Antimony	ND		2.04	1	08/20/2025 09:36	WG2582195
Beryllium	0.353		0.204	1	08/20/2025 09:36	WG2582195
Calcium	7110		102	1	08/20/2025 09:36	WG2582195
Chromium	7.48		1.02	1	08/20/2025 09:36	WG2582195
Cobalt	3.02		1.02	1	08/20/2025 09:36	WG2582195
Iron	8320		10.2	1	08/20/2025 09:36	WG2582195
Magnesium	2010		102	1	08/20/2025 09:36	WG2582195
Manganese	124		1.02	1	08/20/2025 09:36	WG2582195
Potassium	1950		102	1	08/20/2025 09:36	WG2582195
Sodium	263		102	1	08/20/2025 09:36	WG2582195
Thallium	ND		2.04	1	08/20/2025 09:36	WG2582195
Vanadium	15.4		2.04	1	08/20/2025 09:36	WG2582195

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	0.177		0.100	1	08/20/2025 12:21	WG2582970

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.74		0.102	5	08/20/2025 12:37	WG2582170
Barium	74.4		10.2	5	08/20/2025 12:37	WG2582170
Cadmium	0.129		0.102	5	08/20/2025 12:37	WG2582170
Copper	ND		10.2	5	08/20/2025 12:37	WG2582170
Lead	ND		10.2	5	08/20/2025 12:37	WG2582170
Nickel	ND		10.2	5	08/20/2025 12:37	WG2582170
Selenium	0.372		0.102	5	08/20/2025 12:37	WG2582170
Silver	ND		0.509	5	08/20/2025 12:37	WG2582170
Zinc	ND		50.9	5	08/20/2025 12:37	WG2582170

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		2.59	25	08/17/2025 07:25	WG2581370
(S) a,a,a-Trifluorotoluene(FID)	*102*		*77.0-120*		*08/17/2025 07:25*	WG2581370

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	J3	0.104	1	08/17/2025 10:02	WG2581339
Acrylonitrile	ND		0.0130	1	08/17/2025 10:02	WG2581339
Benzene	ND		0.00104	1	08/17/2025 10:02	WG2581339
Bromobenzene	ND		0.0130	1	08/17/2025 10:02	WG2581339
Bromodichloromethane	ND		0.00259	1	08/17/2025 10:02	WG2581339
Bromoform	ND		0.0259	1	08/17/2025 10:02	WG2581339
Bromomethane	ND		0.0130	1	08/17/2025 10:02	WG2581339
n-Butylbenzene	ND		0.0130	1	08/17/2025 10:02	WG2581339
sec-Butylbenzene	ND		0.0130	1	08/17/2025 10:02	WG2581339
tert-Butylbenzene	ND		0.00518	1	08/17/2025 10:02	WG2581339
Carbon tetrachloride	ND		0.00518	1	08/17/2025 10:02	WG2581339
Chlorobenzene	ND		0.00259	1	08/17/2025 10:02	WG2581339
Chlorodibromomethane	ND		0.00259	1	08/17/2025 10:02	WG2581339

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		0.0104	1	08/17/2025 10:02	WG2581339
Chloroform	ND		0.00259	1	08/17/2025 10:02	WG2581339
Chloromethane	ND		0.0130	1	08/17/2025 10:02	WG2581339
2-Chlorotoluene	ND		0.00259	1	08/17/2025 10:02	WG2581339
4-Chlorotoluene	ND		0.00518	1	08/17/2025 10:02	WG2581339
1,2-Dibromo-3-Chloropropane	ND	C3	0.0259	1	08/17/2025 10:02	WG2581339
1,2-Dibromoethane	ND		0.00259	1	08/17/2025 10:02	WG2581339
Dibromomethane	ND		0.00518	1	08/17/2025 10:02	WG2581339
1,2-Dichlorobenzene	ND		0.00518	1	08/17/2025 10:02	WG2581339
1,3-Dichlorobenzene	ND		0.00518	1	08/17/2025 10:02	WG2581339
1,4-Dichlorobenzene	ND		0.00518	1	08/17/2025 10:02	WG2581339
Dichlorodifluoromethane	ND	J3	0.00518	1	08/17/2025 10:02	WG2581339
1,1-Dichloroethane	ND		0.00259	1	08/17/2025 10:02	WG2581339
1,2-Dichloroethane	ND		0.00259	1	08/17/2025 10:02	WG2581339
1,1-Dichloroethene	ND		0.00259	1	08/17/2025 10:02	WG2581339
cis-1,2-Dichloroethene	ND		0.00259	1	08/17/2025 10:02	WG2581339
trans-1,2-Dichloroethene	ND		0.00518	1	08/17/2025 10:02	WG2581339
1,2-Dichloropropane	ND		0.00518	1	08/17/2025 10:02	WG2581339
1,1-Dichloropropene	ND	J3	0.00518	1	08/17/2025 10:02	WG2581339
1,3-Dichloropropane	ND		0.00518	1	08/17/2025 10:02	WG2581339
cis-1,3-Dichloropropene	ND		0.00259	1	08/17/2025 10:02	WG2581339
trans-1,3-Dichloropropene	ND		0.00518	1	08/17/2025 10:02	WG2581339
2,2-Dichloropropane	ND		0.00259	1	08/17/2025 10:02	WG2581339
Di-isopropyl ether	ND		0.00104	1	08/17/2025 10:02	WG2581339
Ethylbenzene	ND		0.00259	1	08/17/2025 10:02	WG2581339
Hexachloro-1,3-butadiene	ND		0.0259	1	08/17/2025 10:02	WG2581339
Isopropylbenzene	ND		0.00259	1	08/17/2025 10:02	WG2581339
p-Isopropyltoluene	ND		0.00518	1	08/17/2025 10:02	WG2581339
2-Butanone (MEK)	ND	C3	0.104	1	08/17/2025 10:02	WG2581339
Methylene Chloride	ND		0.0259	1	08/17/2025 10:02	WG2581339
4-Methyl-2-pentanone (MIBK)	ND		0.0259	1	08/17/2025 10:02	WG2581339
Methyl tert-butyl ether	ND		0.00104	1	08/17/2025 10:02	WG2581339
n-Propylbenzene	ND		0.00518	1	08/17/2025 10:02	WG2581339
Styrene	ND		0.0130	1	08/17/2025 10:02	WG2581339
1,1,1,2-Tetrachloroethane	ND		0.00259	1	08/17/2025 10:02	WG2581339
1,1,2,2-Tetrachloroethane	ND		0.00259	1	08/17/2025 10:02	WG2581339
1,1,2-Trichlorotrifluoroethane	ND		0.00518	1	08/17/2025 10:02	WG2581339
Tetrachloroethene	ND		0.00259	1	08/17/2025 10:02	WG2581339
Toluene	ND		0.00518	1	08/17/2025 10:02	WG2581339
1,2,3-Trichlorobenzene	ND	C3	0.0130	1	08/17/2025 10:02	WG2581339
1,2,4-Trichlorobenzene	ND		0.0130	1	08/17/2025 10:02	WG2581339
1,1,1-Trichloroethane	ND		0.00259	1	08/17/2025 10:02	WG2581339
1,1,2-Trichloroethane	ND		0.00259	1	08/17/2025 10:02	WG2581339
Trichloroethene	ND		0.00104	1	08/17/2025 10:02	WG2581339
Trichlorofluoromethane	ND		0.00414	1	08/17/2025 10:02	WG2581339
1,2,3-Trichloropropane	ND		0.0130	1	08/17/2025 10:02	WG2581339
1,2,3-Trimethylbenzene	ND		0.00518	1	08/17/2025 10:02	WG2581339
1,2,4-Trimethylbenzene	ND		0.00518	1	08/17/2025 10:02	WG2581339
1,3,5-Trimethylbenzene	ND		0.00518	1	08/17/2025 10:02	WG2581339
Vinyl chloride	ND		0.00259	1	08/17/2025 10:02	WG2581339
Xylenes, Total	ND		0.00674	1	08/17/2025 10:02	WG2581339
(S) Toluene-d8	*99.8*		*75.0-131*		*08/17/2025 10:02*	WG2581339
(S) 4-Bromofluorobenzene	*100*		*67.0-138*		*08/17/2025 10:02*	WG2581339
(S) 1,2-Dichloroethane-d4	*99.9*		*70.0-130*		*08/17/2025 10:02*	WG2581339

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		81.4	20	08/21/2025 15:18	WG2582610
C28-C36 Motor Oil Range	198		81.4	20	08/21/2025 15:18	WG2582610
(S) o-Terphenyl	*81.0*	J7	*18.0-148*		*08/21/2025 15:18*	WG2582610

Sample Narrative:

L1889504-04 WG2582610: 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		0.339	10	08/21/2025 20:39	WG2582648
Benzidine	ND	C3 C6 J4	17.0	10	08/21/2025 20:39	WG2582648
Benzo(g,h,i)perylene	ND		0.339	10	08/21/2025 20:39	WG2582648
Bis(2-chlorethoxy)methane	ND		3.39	10	08/21/2025 20:39	WG2582648
Bis(2-chloroethyl)ether	ND	C3	3.39	10	08/21/2025 20:39	WG2582648
2,2-Oxybis(1-Chloropropane)	ND		3.39	10	08/21/2025 20:39	WG2582648
4-Bromophenyl-phenylether	ND		3.39	10	08/21/2025 20:39	WG2582648
2-Chloronaphthalene	ND		0.339	10	08/21/2025 20:39	WG2582648
4-Chlorophenyl-phenylether	ND		3.39	10	08/21/2025 20:39	WG2582648
1,2-Dichlorobenzene	ND		3.39	10	08/21/2025 20:39	WG2582648
1,3-Dichlorobenzene	ND		3.39	10	08/21/2025 20:39	WG2582648
1,4-Dichlorobenzene	ND		3.39	10	08/21/2025 20:39	WG2582648
3,3-Dichlorobenzidine	ND		3.39	10	08/21/2025 20:39	WG2582648
2,4-Dinitrotoluene	ND		3.39	10	08/21/2025 20:39	WG2582648
2,6-Dinitrotoluene	ND		3.39	10	08/21/2025 20:39	WG2582648
Hexachlorobenzene	ND		3.39	10	08/21/2025 20:39	WG2582648
Hexachloro-1,3-butadiene	ND		3.39	10	08/21/2025 20:39	WG2582648
Hexachlorocyclopentadiene	ND	C3	3.39	10	08/21/2025 20:39	WG2582648
Hexachloroethane	ND		3.39	10	08/21/2025 20:39	WG2582648
Isophorone	ND		3.39	10	08/21/2025 20:39	WG2582648
Nitrobenzene	ND		3.39	10	08/21/2025 20:39	WG2582648
n-Nitrosodimethylamine	ND	C3	3.39	10	08/21/2025 20:39	WG2582648
n-Nitrosodiphenylamine	ND		3.39	10	08/21/2025 20:39	WG2582648
n-Nitrosodi-n-propylamine	ND		3.39	10	08/21/2025 20:39	WG2582648
Phenanthrene	ND		0.339	10	08/21/2025 20:39	WG2582648
Benzylbutyl phthalate	ND		3.39	10	08/21/2025 20:39	WG2582648
Bis(2-ethylhexyl)phthalate	ND		3.39	10	08/21/2025 20:39	WG2582648
Di-n-butyl phthalate	ND		3.39	10	08/21/2025 20:39	WG2582648
Diethyl phthalate	ND		3.39	10	08/21/2025 20:39	WG2582648
Dimethyl phthalate	ND		3.39	10	08/21/2025 20:39	WG2582648
Di-n-octyl phthalate	ND		3.39	10	08/21/2025 20:39	WG2582648
1,2,4-Trichlorobenzene	ND		3.39	10	08/21/2025 20:39	WG2582648
4-Chloro-3-methylphenol	ND		3.39	10	08/21/2025 20:39	WG2582648
2-Chlorophenol	ND		3.39	10	08/21/2025 20:39	WG2582648
2,4-Dichlorophenol	ND		3.39	10	08/21/2025 20:39	WG2582648
2,4-Dimethylphenol	ND	C3	3.39	10	08/21/2025 20:39	WG2582648
4,6-Dinitro-2-methylphenol	ND		3.39	10	08/21/2025 20:39	WG2582648
2,4-Dinitrophenol	ND		3.39	10	08/21/2025 20:39	WG2582648
2-Nitrophenol	ND		3.39	10	08/21/2025 20:39	WG2582648
4-Nitrophenol	ND		3.39	10	08/21/2025 20:39	WG2582648
Pentachlorophenol	ND		3.39	10	08/21/2025 20:39	WG2582648
Phenol	ND		3.39	10	08/21/2025 20:39	WG2582648
2,4,6-Trichlorophenol	ND		3.39	10	08/21/2025 20:39	WG2582648
(S) 2-Fluorophenol	*66.7*		*12.0-120*		*08/21/2025 20:39*	WG2582648
(S) Phenol-d5	*57.4*		*10.0-120*		*08/21/2025 20:39*	WG2582648
(S) Nitrobenzene-d5	*48.4*		*10.0-122*		*08/21/2025 20:39*	WG2582648

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	*60.1*		*15.0-120*		*08/21/2025 20:39*	WG2582648
(S) 2,4,6-Tribromophenol	*97.2*		*10.0-127*		*08/21/2025 20:39*	WG2582648
(S) p-Terphenyl-d14	*68.2*		*10.0-120*		*08/21/2025 20:39*	WG2582648

Sample Narrative:

L1889504-04 WG2582648: 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		0.0336	1	08/20/2025 23:29	WG2583077
Acenaphthene	ND		0.0336	1	08/20/2025 23:29	WG2583077
Acenaphthylene	ND		0.0336	1	08/20/2025 23:29	WG2583077
Benzo(a)anthracene	0.0127		0.00611	1	08/20/2025 23:29	WG2583077
Benzo(a)pyrene	0.0404		0.0336	1	08/20/2025 23:29	WG2583077
Benzo(b)fluoranthene	ND		0.0336	1	08/20/2025 23:29	WG2583077
Benzo(g,h,i)perylene	0.0491		0.0336	1	08/20/2025 23:29	WG2583077
Benzo(k)fluoranthene	ND		0.0336	1	08/20/2025 23:29	WG2583077
Chrysene	ND		0.0336	1	08/20/2025 23:29	WG2583077
Dibenz(a,h)anthracene	ND		0.0336	1	08/20/2025 23:29	WG2583077
Fluoranthene	ND		0.0336	1	08/20/2025 23:29	WG2583077
Fluorene	ND		0.0336	1	08/20/2025 23:29	WG2583077
Indeno(1,2,3-cd)pyrene	0.0489		0.0336	1	08/20/2025 23:29	WG2583077
Naphthalene	ND		0.00305	1	08/20/2025 23:29	WG2583077
Phenanthrene	ND		0.0336	1	08/20/2025 23:29	WG2583077
Pyrene	ND		0.0336	1	08/20/2025 23:29	WG2583077
1-Methylnaphthalene	ND		0.00305	1	08/20/2025 23:29	WG2583077
2-Methylnaphthalene	ND		0.0122	1	08/20/2025 23:29	WG2583077
(S) p-Terphenyl-d14	*121*	J1	*23.0-120*		*08/20/2025 23:29*	WG2583077
(S) Nitrobenzene-d5	*120*		*14.0-149*		*08/20/2025 23:29*	WG2583077
(S) 2-Fluorobiphenyl	*121*		*34.0-125*		*08/20/2025 23:29*	WG2583077

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	08/16/2025 19:08	WG2581309
Acrolein	ND		0.0500	1	08/16/2025 19:08	WG2581309
Acrylonitrile	ND		0.0100	1	08/16/2025 19:08	WG2581309
Benzene	ND		0.00100	1	08/16/2025 19:08	WG2581309
Bromobenzene	ND		0.00100	1	08/16/2025 19:08	WG2581309
Bromodichloromethane	ND		0.00100	1	08/16/2025 19:08	WG2581309
Bromoform	ND		0.00100	1	08/16/2025 19:08	WG2581309
Bromomethane	ND	C3	0.00500	1	08/16/2025 19:08	WG2581309
n-Butylbenzene	ND		0.00100	1	08/16/2025 19:08	WG2581309
sec-Butylbenzene	ND		0.00100	1	08/16/2025 19:08	WG2581309
tert-Butylbenzene	ND		0.00100	1	08/16/2025 19:08	WG2581309
Carbon tetrachloride	ND		0.00100	1	08/16/2025 19:08	WG2581309
Chlorobenzene	ND		0.00100	1	08/16/2025 19:08	WG2581309
Chlorodibromomethane	ND		0.00100	1	08/16/2025 19:08	WG2581309
Chloroethane	ND		0.00500	1	08/16/2025 19:08	WG2581309
Chloroform	ND		0.00500	1	08/16/2025 19:08	WG2581309
Chloromethane	ND	C3	0.00500	1	08/16/2025 19:08	WG2581309
2-Chlorotoluene	ND		0.00100	1	08/16/2025 19:08	WG2581309
4-Chlorotoluene	ND		0.00100	1	08/16/2025 19:08	WG2581309
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	08/16/2025 19:08	WG2581309
1,2-Dibromoethane	ND		0.00100	1	08/16/2025 19:08	WG2581309
Dibromomethane	ND		0.00100	1	08/16/2025 19:08	WG2581309
1,2-Dichlorobenzene	ND		0.00100	1	08/16/2025 19:08	WG2581309
1,3-Dichlorobenzene	ND		0.00100	1	08/16/2025 19:08	WG2581309
1,4-Dichlorobenzene	ND		0.00100	1	08/16/2025 19:08	WG2581309
Dichlorodifluoromethane	ND		0.00500	1	08/16/2025 19:08	WG2581309
1,1-Dichloroethane	ND		0.00100	1	08/16/2025 19:08	WG2581309
1,2-Dichloroethane	ND		0.00100	1	08/16/2025 19:08	WG2581309
1,1-Dichloroethene	ND		0.00100	1	08/16/2025 19:08	WG2581309
cis-1,2-Dichloroethene	ND		0.00100	1	08/16/2025 19:08	WG2581309
trans-1,2-Dichloroethene	ND		0.00100	1	08/16/2025 19:08	WG2581309
1,2-Dichloropropane	ND		0.00100	1	08/16/2025 19:08	WG2581309
1,1-Dichloropropene	ND		0.00100	1	08/16/2025 19:08	WG2581309
1,3-Dichloropropane	ND		0.00100	1	08/16/2025 19:08	WG2581309
cis-1,3-Dichloropropene	ND		0.00100	1	08/16/2025 19:08	WG2581309
trans-1,3-Dichloropropene	ND		0.00100	1	08/16/2025 19:08	WG2581309
2,2-Dichloropropane	ND		0.00100	1	08/16/2025 19:08	WG2581309
Di-isopropyl ether	ND		0.00100	1	08/16/2025 19:08	WG2581309
Ethylbenzene	ND		0.00100	1	08/16/2025 19:08	WG2581309
Hexachloro-1,3-butadiene	ND		0.00200	1	08/16/2025 19:08	WG2581309
Isopropylbenzene	ND		0.00100	1	08/16/2025 19:08	WG2581309
p-Isopropyltoluene	ND		0.00100	1	08/16/2025 19:08	WG2581309
2-Butanone (MEK)	ND		0.0200	1	08/16/2025 19:08	WG2581309
Methylene Chloride	ND		0.00500	1	08/16/2025 19:08	WG2581309
4-Methyl-2-pentanone (MIBK)	ND		0.0200	1	08/16/2025 19:08	WG2581309
Methyl tert-butyl ether	ND		0.00100	1	08/16/2025 19:08	WG2581309
Naphthalene	ND		0.00500	1	08/16/2025 19:08	WG2581309
n-Propylbenzene	ND		0.00100	1	08/16/2025 19:08	WG2581309
Styrene	ND		0.00100	1	08/16/2025 19:08	WG2581309
1,1,1,2-Tetrachloroethane	ND		0.00100	1	08/16/2025 19:08	WG2581309
1,1,2,2-Tetrachloroethane	ND	C3	0.00100	1	08/16/2025 19:08	WG2581309
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	08/16/2025 19:08	WG2581309
Tetrachloroethene	ND		0.00100	1	08/16/2025 19:08	WG2581309
Toluene	ND		0.00100	1	08/16/2025 19:08	WG2581309
1,2,3-Trichlorobenzene	ND		0.00100	1	08/16/2025 19:08	WG2581309
1,2,4-Trichlorobenzene	ND		0.00200	1	08/16/2025 19:08	WG2581309

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	08/16/2025 19:08	WG2581309
1,1,2-Trichloroethane	ND		0.00100	1	08/16/2025 19:08	WG2581309
Trichloroethene	ND		0.00100	1	08/16/2025 19:08	WG2581309
Trichlorofluoromethane	ND		0.00500	1	08/16/2025 19:08	WG2581309
1,2,3-Trichloropropane	ND		0.00250	1	08/16/2025 19:08	WG2581309
1,2,4-Trimethylbenzene	ND		0.00200	1	08/16/2025 19:08	WG2581309
1,2,3-Trimethylbenzene	ND		0.00100	1	08/16/2025 19:08	WG2581309
1,3,5-Trimethylbenzene	ND		0.00100	1	08/16/2025 19:08	WG2581309
Vinyl chloride	ND		0.00100	1	08/16/2025 19:08	WG2581309
Xylenes, Total	ND		0.00300	1	08/16/2025 19:08	WG2581309
(S) Toluene-d8	*96.0*		*80.0-120*		*08/16/2025 19:08*	WG2581309
(S) 4-Bromofluorobenzene	*95.8*		*77.0-126*		*08/16/2025 19:08*	WG2581309
(S) 1,2-Dichloroethane-d4	*121*		*70.0-130*		*08/16/2025 19:08*	WG2581309

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.83		1	08/20/2025 07:34	WG2582953

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	671		20.7	1	08/25/2025 21:04	WG2581505

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	96.8		1	08/18/2025 13:45	WG2581749

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	08/19/2025 22:24	WG2581842

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	655	J6	20.7	1	08/25/2025 21:04	WG2586477

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND	J6	0.207	1	09/04/2025 20:04	WG2590692

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.96		1	08/20/2025 16:10	WG2583520

Sample Narrative:

L1889504-06 WG2583520: 7.96 at 21.7C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	703	umhos/cm		10.0	1	08/20/2025 20:15	WG2583523

Sample Narrative:

L1889504-06 WG2583523: 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		20.7	1	08/17/2025 16:30	WG2581505

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	7210		500	5	08/21/2025 14:21	WG2581621

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	7580	V	20.7	1	08/19/2025 14:21	WG2582202
Antimony	ND		2.07	1	08/19/2025 14:21	WG2582202
Beryllium	0.360		0.207	1	08/19/2025 14:21	WG2582202
Calcium	13500	V	103	1	08/19/2025 14:21	WG2582202
Chromium	11.3		1.03	1	08/19/2025 14:21	WG2582202
Cobalt	2.65		1.03	1	08/19/2025 14:21	WG2582202
Iron	10800	J3 V	10.3	1	08/19/2025 14:21	WG2582202
Magnesium	2000	O1	103	1	08/19/2025 14:21	WG2582202
Manganese	179	J5	1.03	1	08/19/2025 14:21	WG2582202
Potassium	1900		103	1	08/19/2025 14:21	WG2582202
Sodium	158		103	1	08/19/2025 14:21	WG2582202
Thallium	ND		2.07	1	08/19/2025 14:21	WG2582202
Vanadium	17.9		2.07	1	08/19/2025 14:21	WG2582202

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	ND		0.100	1	08/20/2025 12:27	WG2582970

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.70		0.103	5	08/19/2025 15:14	WG2582163
Barium	86.3		10.3	5	08/19/2025 15:14	WG2582163
Cadmium	0.226		0.103	5	08/19/2025 15:14	WG2582163
Copper	ND		10.3	5	08/19/2025 15:14	WG2582163
Lead	20.0		10.3	5	08/19/2025 15:14	WG2582163
Nickel	ND		10.3	5	08/19/2025 15:14	WG2582163
Selenium	0.404		0.103	5	08/19/2025 15:14	WG2582163
Silver	ND		0.517	5	08/19/2025 15:14	WG2582163
Zinc	53.0		51.7	5	08/19/2025 15:14	WG2582163

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		2.67	25	08/17/2025 07:50	WG2581370
(S) a,a,a-Trifluorotoluene(FID)	*101*		*77.0-120*		*08/17/2025 07:50*	WG2581370

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.107	1	08/17/2025 09:41	WG2581339
Acrylonitrile	ND		0.0133	1	08/17/2025 09:41	WG2581339
Benzene	ND		0.00107	1	08/17/2025 09:41	WG2581339
Bromobenzene	ND		0.0133	1	08/17/2025 09:41	WG2581339
Bromodichloromethane	ND		0.00267	1	08/17/2025 09:41	WG2581339
Bromoform	ND		0.0267	1	08/17/2025 09:41	WG2581339
Bromomethane	ND		0.0133	1	08/17/2025 09:41	WG2581339
n-Butylbenzene	ND		0.0133	1	08/17/2025 09:41	WG2581339
sec-Butylbenzene	ND		0.0133	1	08/17/2025 09:41	WG2581339
tert-Butylbenzene	ND		0.00534	1	08/17/2025 09:41	WG2581339
Carbon tetrachloride	ND		0.00534	1	08/17/2025 09:41	WG2581339
Chlorobenzene	ND		0.00267	1	08/17/2025 09:41	WG2581339
Chlorodibromomethane	ND		0.00267	1	08/17/2025 09:41	WG2581339

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		0.0107	1	08/17/2025 09:41	WG2581339
Chloroform	ND		0.00267	1	08/17/2025 09:41	WG2581339
Chloromethane	ND		0.0133	1	08/17/2025 09:41	WG2581339
2-Chlorotoluene	ND		0.00267	1	08/17/2025 09:41	WG2581339
4-Chlorotoluene	ND		0.00534	1	08/17/2025 09:41	WG2581339
1,2-Dibromo-3-Chloropropane	ND	C3	0.0267	1	08/17/2025 09:41	WG2581339
1,2-Dibromoethane	ND		0.00267	1	08/17/2025 09:41	WG2581339
Dibromomethane	ND		0.00534	1	08/17/2025 09:41	WG2581339
1,2-Dichlorobenzene	ND		0.00534	1	08/17/2025 09:41	WG2581339
1,3-Dichlorobenzene	ND		0.00534	1	08/17/2025 09:41	WG2581339
1,4-Dichlorobenzene	ND		0.00534	1	08/17/2025 09:41	WG2581339
Dichlorodifluoromethane	ND		0.00534	1	08/17/2025 09:41	WG2581339
1,1-Dichloroethane	ND		0.00267	1	08/17/2025 09:41	WG2581339
1,2-Dichloroethane	ND		0.00267	1	08/17/2025 09:41	WG2581339
1,1-Dichloroethene	ND		0.00267	1	08/17/2025 09:41	WG2581339
cis-1,2-Dichloroethene	ND		0.00267	1	08/17/2025 09:41	WG2581339
trans-1,2-Dichloroethene	ND		0.00534	1	08/17/2025 09:41	WG2581339
1,2-Dichloropropane	ND		0.00534	1	08/17/2025 09:41	WG2581339
1,1-Dichloropropene	ND		0.00534	1	08/17/2025 09:41	WG2581339
1,3-Dichloropropane	ND		0.00534	1	08/17/2025 09:41	WG2581339
cis-1,3-Dichloropropene	ND		0.00267	1	08/17/2025 09:41	WG2581339
trans-1,3-Dichloropropene	ND		0.00534	1	08/17/2025 09:41	WG2581339
2,2-Dichloropropane	ND		0.00267	1	08/17/2025 09:41	WG2581339
Di-isopropyl ether	ND		0.00107	1	08/17/2025 09:41	WG2581339
Ethylbenzene	ND		0.00267	1	08/17/2025 09:41	WG2581339
Hexachloro-1,3-butadiene	ND		0.0267	1	08/17/2025 09:41	WG2581339
Isopropylbenzene	ND		0.00267	1	08/17/2025 09:41	WG2581339
p-Isopropyltoluene	ND		0.00534	1	08/17/2025 09:41	WG2581339
2-Butanone (MEK)	ND	C3	0.107	1	08/17/2025 09:41	WG2581339
Methylene Chloride	ND		0.0267	1	08/17/2025 09:41	WG2581339
4-Methyl-2-pentanone (MIBK)	ND		0.0267	1	08/17/2025 09:41	WG2581339
Methyl tert-butyl ether	ND		0.00107	1	08/17/2025 09:41	WG2581339
n-Propylbenzene	ND		0.00534	1	08/17/2025 09:41	WG2581339
Styrene	ND		0.0133	1	08/17/2025 09:41	WG2581339
1,1,1,2-Tetrachloroethane	ND		0.00267	1	08/17/2025 09:41	WG2581339
1,1,2,2-Tetrachloroethane	ND		0.00267	1	08/17/2025 09:41	WG2581339
1,1,2-Trichlorotrifluoroethane	ND		0.00534	1	08/17/2025 09:41	WG2581339
Tetrachloroethene	ND		0.00267	1	08/17/2025 09:41	WG2581339
Toluene	ND		0.00534	1	08/17/2025 09:41	WG2581339
1,2,3-Trichlorobenzene	ND	C3	0.0133	1	08/17/2025 09:41	WG2581339
1,2,4-Trichlorobenzene	ND		0.0133	1	08/17/2025 09:41	WG2581339
1,1,1-Trichloroethane	ND		0.00267	1	08/17/2025 09:41	WG2581339
1,1,2-Trichloroethane	ND		0.00267	1	08/17/2025 09:41	WG2581339
Trichloroethene	ND		0.00107	1	08/17/2025 09:41	WG2581339
Trichlorofluoromethane	ND		0.00427	1	08/17/2025 09:41	WG2581339
1,2,3-Trichloropropane	ND		0.0133	1	08/17/2025 09:41	WG2581339
1,2,3-Trimethylbenzene	ND		0.00534	1	08/17/2025 09:41	WG2581339
1,2,4-Trimethylbenzene	ND		0.00534	1	08/17/2025 09:41	WG2581339
1,3,5-Trimethylbenzene	ND		0.00534	1	08/17/2025 09:41	WG2581339
Vinyl chloride	ND		0.00267	1	08/17/2025 09:41	WG2581339
Xylenes, Total	ND		0.00694	1	08/17/2025 09:41	WG2581339
(S) Toluene-d8	*102*		*75.0-131*		*08/17/2025 09:41*	WG2581339
(S) 4-Bromofluorobenzene	*101*		*67.0-138*		*08/17/2025 09:41*	WG2581339
(S) 1,2-Dichloroethane-d4	*102*		*70.0-130*		*08/17/2025 09:41*	WG2581339

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	J6	207	50	08/21/2025 03:54	WG2582610
C28-C36 Motor Oil Range	782		207	50	08/21/2025 03:54	WG2582610
(S) o-Terphenyl	*0.000*	J7	*18.0-148*		*08/21/2025 03:54*	WG2582610

Sample Narrative:

L1889504-06 WG2582610: 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		0.344	10	08/21/2025 21:02	WG2582648
Benzidine	ND	C3 C6 J4 J6	17.3	10	08/21/2025 21:02	WG2582648
Benzo(g,h,i)perylene	ND		0.344	10	08/21/2025 21:02	WG2582648
Bis(2-chlorethoxy)methane	ND	J6	3.44	10	08/21/2025 21:02	WG2582648
Bis(2-chloroethyl)ether	ND	C3 J6	3.44	10	08/21/2025 21:02	WG2582648
2,2-Oxybis(1-Chloropropane)	ND	J3 J6	3.44	10	08/21/2025 21:02	WG2582648
4-Bromophenyl-phenylether	ND	J6	3.44	10	08/21/2025 21:02	WG2582648
2-Chloronaphthalene	ND		0.344	10	08/21/2025 21:02	WG2582648
4-Chlorophenyl-phenylether	ND	J6	3.44	10	08/21/2025 21:02	WG2582648
1,2-Dichlorobenzene	ND		3.44	10	08/21/2025 21:02	WG2582648
1,3-Dichlorobenzene	ND		3.44	10	08/21/2025 21:02	WG2582648
1,4-Dichlorobenzene	ND		3.44	10	08/21/2025 21:02	WG2582648
3,3-Dichlorobenzidine	ND	J6	3.44	10	08/21/2025 21:02	WG2582648
2,4-Dinitrotoluene	ND	J6	3.44	10	08/21/2025 21:02	WG2582648
2,6-Dinitrotoluene	ND	J6	3.44	10	08/21/2025 21:02	WG2582648
Hexachlorobenzene	ND	J6	3.44	10	08/21/2025 21:02	WG2582648
Hexachloro-1,3-butadiene	ND	J6	3.44	10	08/21/2025 21:02	WG2582648
Hexachlorocyclopentadiene	ND	C3 J6	3.44	10	08/21/2025 21:02	WG2582648
Hexachloroethane	ND	J6	3.44	10	08/21/2025 21:02	WG2582648
Isophorone	ND	J6	3.44	10	08/21/2025 21:02	WG2582648
Nitrobenzene	ND	J6	3.44	10	08/21/2025 21:02	WG2582648
n-Nitrosodimethylamine	ND	C3 J6	3.44	10	08/21/2025 21:02	WG2582648
n-Nitrosodiphenylamine	ND	J6	3.44	10	08/21/2025 21:02	WG2582648
n-Nitrosodi-n-propylamine	ND	J6	3.44	10	08/21/2025 21:02	WG2582648
Phenanthrene	ND		0.344	10	08/21/2025 21:02	WG2582648
Benzylbutyl phthalate	ND	J6	3.44	10	08/21/2025 21:02	WG2582648
Bis(2-ethylhexyl)phthalate	ND	J6	3.44	10	08/21/2025 21:02	WG2582648
Di-n-butyl phthalate	ND	J6	3.44	10	08/21/2025 21:02	WG2582648
Diethyl phthalate	ND	J6	3.44	10	08/21/2025 21:02	WG2582648
Dimethyl phthalate	ND	J6	3.44	10	08/21/2025 21:02	WG2582648
Di-n-octyl phthalate	ND	J6	3.44	10	08/21/2025 21:02	WG2582648
1,2,4-Trichlorobenzene	ND	J6	3.44	10	08/21/2025 21:02	WG2582648
4-Chloro-3-methylphenol	ND	J6	3.44	10	08/21/2025 21:02	WG2582648
2-Chlorophenol	ND		3.44	10	08/21/2025 21:02	WG2582648
2,4-Dichlorophenol	ND	J3 J6	3.44	10	08/21/2025 21:02	WG2582648
2,4-Dimethylphenol	ND	C3 J6	3.44	10	08/21/2025 21:02	WG2582648
4,6-Dinitro-2-methylphenol	ND	J6	3.44	10	08/21/2025 21:02	WG2582648
2,4-Dinitrophenol	ND	J6	3.44	10	08/21/2025 21:02	WG2582648
2-Nitrophenol	ND	J6	3.44	10	08/21/2025 21:02	WG2582648
4-Nitrophenol	ND	J6	3.44	10	08/21/2025 21:02	WG2582648
Pentachlorophenol	ND	J6	3.44	10	08/21/2025 21:02	WG2582648
Phenol	ND	J6	3.44	10	08/21/2025 21:02	WG2582648
2,4,6-Trichlorophenol	ND	J6	3.44	10	08/21/2025 21:02	WG2582648
(S) 2-Fluorophenol	*63.2*		*12.0-120*		*08/21/2025 21:02*	WG2582648
(S) Phenol-d5	*60.6*		*10.0-120*		*08/21/2025 21:02*	WG2582648

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) Nitrobenzene-d5	*49.2*		*10.0-122*		*08/21/2025 21:02*	WG2582648
(S) 2-Fluorobiphenyl	*61.7*		*15.0-120*		*08/21/2025 21:02*	WG2582648
(S) 2,4,6-Tribromophenol	*104*		*10.0-127*		*08/21/2025 21:02*	WG2582648
(S) p-Terphenyl-d14	*70.4*		*10.0-120*		*08/21/2025 21:02*	WG2582648

Sample Narrative:

L1889504-06 WG2582648: 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		0.0341	1	08/20/2025 23:49	WG2583077
Acenaphthene	ND		0.0341	1	08/20/2025 23:49	WG2583077
Acenaphthylene	ND		0.0341	1	08/20/2025 23:49	WG2583077
Benzo(a)anthracene	ND		0.00620	1	08/20/2025 23:49	WG2583077
Benzo(a)pyrene	ND		0.0341	1	08/20/2025 23:49	WG2583077
Benzo(b)fluoranthene	ND		0.0341	1	08/20/2025 23:49	WG2583077
Benzo(g,h,i)perylene	ND		0.0341	1	08/20/2025 23:49	WG2583077
Benzo(k)fluoranthene	ND		0.0341	1	08/20/2025 23:49	WG2583077
Chrysene	ND		0.0341	1	08/20/2025 23:49	WG2583077
Dibenz(a,h)anthracene	ND		0.0341	1	08/20/2025 23:49	WG2583077
Fluoranthene	ND		0.0341	1	08/20/2025 23:49	WG2583077
Fluorene	ND		0.0341	1	08/20/2025 23:49	WG2583077
Indeno(1,2,3-cd)pyrene	ND		0.0341	1	08/20/2025 23:49	WG2583077
Naphthalene	ND		0.00310	1	08/20/2025 23:49	WG2583077
Phenanthrene	ND		0.0341	1	08/20/2025 23:49	WG2583077
Pyrene	ND		0.0341	1	08/20/2025 23:49	WG2583077
1-Methylnaphthalene	ND		0.00310	1	08/20/2025 23:49	WG2583077
2-Methylnaphthalene	ND		0.0124	1	08/20/2025 23:49	WG2583077
(S) p-Terphenyl-d14	*105*		*23.0-120*		*08/20/2025 23:49*	WG2583077
(S) Nitrobenzene-d5	*106*		*14.0-149*		*08/20/2025 23:49*	WG2583077
(S) 2-Fluorobiphenyl	*103*		*34.0-125*		*08/20/2025 23:49*	WG2583077

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.392		1	08/20/2025 07:37	WG2582953

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	614		104	1	08/25/2025 19:02	WG2581505

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	96.0		1	08/18/2025 13:45	WG2581749

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		10.4	1	08/19/2025 22:28	WG2581842

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	519		104	5	08/25/2025 19:02	WG2585770

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	09/04/2025 20:49	WG2590692

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.90		1	08/20/2025 16:10	WG2583520

Sample Narrative:

L1889504-07 WG2583520: 7.9 at 21.6C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	976	umhos/cm		10.0	1	08/20/2025 20:15	WG2583523

Sample Narrative:

L1889504-07 WG2583523: 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		105	5.05	08/17/2025 17:10	WG2581505

Sample Narrative:

L1889504-07 WG2581505: Dilution due to matrix impact on instrumentation at lower dilution

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	4000		500	5	08/21/2025 23:24	WG2582717

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	8120		20.8	1	08/20/2025 09:38	WG2582195
Antimony	ND		2.08	1	08/20/2025 09:38	WG2582195
Beryllium	0.490		0.208	1	08/20/2025 09:38	WG2582195
Calcium	9430		104	1	08/20/2025 09:38	WG2582195
Chromium	8.39		1.04	1	08/20/2025 09:38	WG2582195
Cobalt	3.91		1.04	1	08/20/2025 09:38	WG2582195
Iron	13900		10.4	1	08/20/2025 09:38	WG2582195
Magnesium	2880		104	1	08/20/2025 09:38	WG2582195
Manganese	185		1.04	1	08/20/2025 09:38	WG2582195
Potassium	1650		104	1	08/20/2025 09:38	WG2582195
Sodium	ND		104	1	08/20/2025 09:38	WG2582195
Thallium	ND		2.08	1	08/20/2025 09:38	WG2582195
Vanadium	22.9		2.08	1	08/20/2025 09:38	WG2582195

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	ND		0.100	1	08/20/2025 12:24	WG2582970

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	12.4		0.104	5	08/20/2025 12:40	WG2582170
Barium	66.7		10.4	5	08/20/2025 12:40	WG2582170
Cadmium	0.215		0.104	5	08/20/2025 12:40	WG2582170
Copper	ND		10.4	5	08/20/2025 12:40	WG2582170
Lead	ND		10.4	5	08/20/2025 12:40	WG2582170
Nickel	ND		10.4	5	08/20/2025 12:40	WG2582170
Selenium	0.501		0.104	5	08/20/2025 12:40	WG2582170
Silver	ND		0.521	5	08/20/2025 12:40	WG2582170
Zinc	ND		52.1	5	08/20/2025 12:40	WG2582170

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		2.71	25	08/17/2025 08:21	WG2581370
(S) a,a,a-Trifluorotoluene(FID)	*101*		*77.0-120*		*08/17/2025 08:21*	WG2581370

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	J3	0.108	1	08/17/2025 09:21	WG2581339
Acrylonitrile	ND		0.0135	1	08/17/2025 09:21	WG2581339
Benzene	ND		0.00108	1	08/17/2025 09:21	WG2581339
Bromobenzene	ND		0.0135	1	08/17/2025 09:21	WG2581339
Bromodichloromethane	ND		0.00271	1	08/17/2025 09:21	WG2581339
Bromoform	ND		0.0271	1	08/17/2025 09:21	WG2581339
Bromomethane	ND		0.0135	1	08/17/2025 09:21	WG2581339
n-Butylbenzene	ND		0.0135	1	08/17/2025 09:21	WG2581339

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
sec-Butylbenzene	ND		0.0135	1	08/17/2025 09:21	WG2581339
tert-Butylbenzene	ND		0.00542	1	08/17/2025 09:21	WG2581339
Carbon tetrachloride	ND		0.00542	1	08/17/2025 09:21	WG2581339
Chlorobenzene	ND		0.00271	1	08/17/2025 09:21	WG2581339
Chlorodibromomethane	ND		0.00271	1	08/17/2025 09:21	WG2581339
Chloroethane	ND		0.0108	1	08/17/2025 09:21	WG2581339
Chloroform	ND		0.00271	1	08/17/2025 09:21	WG2581339
Chloromethane	ND		0.0135	1	08/17/2025 09:21	WG2581339
2-Chlorotoluene	ND		0.00271	1	08/17/2025 09:21	WG2581339
4-Chlorotoluene	ND		0.00542	1	08/17/2025 09:21	WG2581339
1,2-Dibromo-3-Chloropropane	ND	C3	0.0271	1	08/17/2025 09:21	WG2581339
1,2-Dibromoethane	ND		0.00271	1	08/17/2025 09:21	WG2581339
Dibromomethane	ND		0.00542	1	08/17/2025 09:21	WG2581339
1,2-Dichlorobenzene	ND		0.00542	1	08/17/2025 09:21	WG2581339
1,3-Dichlorobenzene	ND		0.00542	1	08/17/2025 09:21	WG2581339
1,4-Dichlorobenzene	ND		0.00542	1	08/17/2025 09:21	WG2581339
Dichlorodifluoromethane	ND	J3	0.00542	1	08/17/2025 09:21	WG2581339
1,1-Dichloroethane	ND		0.00271	1	08/17/2025 09:21	WG2581339
1,2-Dichloroethane	ND		0.00271	1	08/17/2025 09:21	WG2581339
1,1-Dichloroethene	ND		0.00271	1	08/17/2025 09:21	WG2581339
cis-1,2-Dichloroethene	ND		0.00271	1	08/17/2025 09:21	WG2581339
trans-1,2-Dichloroethene	ND		0.00542	1	08/17/2025 09:21	WG2581339
1,2-Dichloropropane	ND		0.00542	1	08/17/2025 09:21	WG2581339
1,1-Dichloropropene	ND	J3	0.00542	1	08/17/2025 09:21	WG2581339
1,3-Dichloropropane	ND		0.00542	1	08/17/2025 09:21	WG2581339
cis-1,3-Dichloropropene	ND		0.00271	1	08/17/2025 09:21	WG2581339
trans-1,3-Dichloropropene	ND		0.00542	1	08/17/2025 09:21	WG2581339
2,2-Dichloropropane	ND		0.00271	1	08/17/2025 09:21	WG2581339
Di-isopropyl ether	ND		0.00108	1	08/17/2025 09:21	WG2581339
Ethylbenzene	ND		0.00271	1	08/17/2025 09:21	WG2581339
Hexachloro-1,3-butadiene	ND		0.0271	1	08/17/2025 09:21	WG2581339
Isopropylbenzene	ND		0.00271	1	08/17/2025 09:21	WG2581339
p-Isopropyltoluene	ND		0.00542	1	08/17/2025 09:21	WG2581339
2-Butanone (MEK)	ND	C3	0.108	1	08/17/2025 09:21	WG2581339
Methylene Chloride	ND		0.0271	1	08/17/2025 09:21	WG2581339
4-Methyl-2-pentanone (MIBK)	ND		0.0271	1	08/17/2025 09:21	WG2581339
Methyl tert-butyl ether	ND		0.00108	1	08/17/2025 09:21	WG2581339
n-Propylbenzene	ND		0.00542	1	08/17/2025 09:21	WG2581339
Styrene	ND		0.0135	1	08/17/2025 09:21	WG2581339
1,1,1,2-Tetrachloroethane	ND		0.00271	1	08/17/2025 09:21	WG2581339
1,1,2,2-Tetrachloroethane	ND		0.00271	1	08/17/2025 09:21	WG2581339
1,1,2-Trichlorotrifluoroethane	ND		0.00542	1	08/17/2025 09:21	WG2581339
Tetrachloroethene	ND		0.00271	1	08/17/2025 09:21	WG2581339
Toluene	ND		0.00542	1	08/17/2025 09:21	WG2581339
1,2,3-Trichlorobenzene	ND	C3	0.0135	1	08/17/2025 09:21	WG2581339
1,2,4-Trichlorobenzene	ND		0.0135	1	08/17/2025 09:21	WG2581339
1,1,1-Trichloroethane	ND		0.00271	1	08/17/2025 09:21	WG2581339
1,1,2-Trichloroethane	ND		0.00271	1	08/17/2025 09:21	WG2581339
Trichloroethene	ND		0.00108	1	08/17/2025 09:21	WG2581339
Trichlorofluoromethane	ND		0.00433	1	08/17/2025 09:21	WG2581339
1,2,3-Trichloropropane	ND		0.0135	1	08/17/2025 09:21	WG2581339
1,2,3-Trimethylbenzene	ND		0.00542	1	08/17/2025 09:21	WG2581339
1,2,4-Trimethylbenzene	ND		0.00542	1	08/17/2025 09:21	WG2581339
1,3,5-Trimethylbenzene	ND		0.00542	1	08/17/2025 09:21	WG2581339
Vinyl chloride	ND		0.00271	1	08/17/2025 09:21	WG2581339
Xylenes, Total	ND		0.00704	1	08/17/2025 09:21	WG2581339

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) Toluene-d8	*99.8*		*75.0-131*		*08/17/2025 09:21*	WG2581339
(S) 4-Bromofluorobenzene	*98.0*		*67.0-138*		*08/17/2025 09:21*	WG2581339
(S) 1,2-Dichloroethane-d4	*101*		*70.0-130*		*08/17/2025 09:21*	WG2581339

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		4.17	1	08/22/2025 00:23	WG2582610
C28-C36 Motor Oil Range	8.99		4.17	1	08/22/2025 00:23	WG2582610
(S) o-Terphenyl	*69.2*		*18.0-148*		*08/22/2025 00:23*	WG2582610

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		0.0347	1	08/21/2025 16:27	WG2582648
Benzidine	ND	C3 C6 J4	1.74	1	08/21/2025 16:27	WG2582648
Benzo(g,h,i)perylene	ND		0.0347	1	08/21/2025 16:27	WG2582648
Bis(2-chlorethoxy)methane	ND		0.347	1	08/21/2025 16:27	WG2582648
Bis(2-chloroethyl)ether	ND	C3	0.347	1	08/21/2025 16:27	WG2582648
2,2-Oxybis(1-Chloropropane)	ND		0.347	1	08/21/2025 16:27	WG2582648
4-Bromophenyl-phenylether	ND		0.347	1	08/21/2025 16:27	WG2582648
2-Chloronaphthalene	ND		0.0347	1	08/21/2025 16:27	WG2582648
4-Chlorophenyl-phenylether	ND		0.347	1	08/21/2025 16:27	WG2582648
1,2-Dichlorobenzene	ND		0.347	1	08/21/2025 16:27	WG2582648
1,3-Dichlorobenzene	ND		0.347	1	08/21/2025 16:27	WG2582648
1,4-Dichlorobenzene	ND		0.347	1	08/21/2025 16:27	WG2582648
3,3-Dichlorobenzidine	ND		0.347	1	08/21/2025 16:27	WG2582648
2,4-Dinitrotoluene	ND		0.347	1	08/21/2025 16:27	WG2582648
2,6-Dinitrotoluene	ND		0.347	1	08/21/2025 16:27	WG2582648
Hexachlorobenzene	ND		0.347	1	08/21/2025 16:27	WG2582648
Hexachloro-1,3-butadiene	ND		0.347	1	08/21/2025 16:27	WG2582648
Hexachlorocyclopentadiene	ND	C3	0.347	1	08/21/2025 16:27	WG2582648
Hexachloroethane	ND		0.347	1	08/21/2025 16:27	WG2582648
Isophorone	ND		0.347	1	08/21/2025 16:27	WG2582648
Nitrobenzene	ND		0.347	1	08/21/2025 16:27	WG2582648
n-Nitrosodimethylamine	ND	C3	0.347	1	08/21/2025 16:27	WG2582648
n-Nitrosodiphenylamine	ND		0.347	1	08/21/2025 16:27	WG2582648
n-Nitrosodi-n-propylamine	ND		0.347	1	08/21/2025 16:27	WG2582648
Phenanthrene	ND		0.0347	1	08/21/2025 16:27	WG2582648
Benzylbutyl phthalate	ND		0.347	1	08/21/2025 16:27	WG2582648
Bis(2-ethylhexyl)phthalate	ND		0.347	1	08/21/2025 16:27	WG2582648
Di-n-butyl phthalate	ND		0.347	1	08/21/2025 16:27	WG2582648
Diethyl phthalate	ND		0.347	1	08/21/2025 16:27	WG2582648
Dimethyl phthalate	ND		0.347	1	08/21/2025 16:27	WG2582648
Di-n-octyl phthalate	ND		0.347	1	08/21/2025 16:27	WG2582648
1,2,4-Trichlorobenzene	ND		0.347	1	08/21/2025 16:27	WG2582648
4-Chloro-3-methylphenol	ND		0.347	1	08/21/2025 16:27	WG2582648
2-Chlorophenol	ND		0.347	1	08/21/2025 16:27	WG2582648
2,4-Dichlorophenol	ND		0.347	1	08/21/2025 16:27	WG2582648
2,4-Dimethylphenol	ND	C3	0.347	1	08/21/2025 16:27	WG2582648
4,6-Dinitro-2-methylphenol	ND		0.347	1	08/21/2025 16:27	WG2582648
2,4-Dinitrophenol	ND		0.347	1	08/21/2025 16:27	WG2582648
2-Nitrophenol	ND		0.347	1	08/21/2025 16:27	WG2582648
4-Nitrophenol	ND		0.347	1	08/21/2025 16:27	WG2582648
Pentachlorophenol	ND		0.347	1	08/21/2025 16:27	WG2582648

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Phenol	ND		0.347	1	08/21/2025 16:27	WG2582648
2,4,6-Trichlorophenol	ND		0.347	1	08/21/2025 16:27	WG2582648
(S) 2-Fluorophenol	*58.0*		*12.0-120*		*08/21/2025 16:27*	WG2582648
(S) Phenol-d5	*54.9*		*10.0-120*		*08/21/2025 16:27*	WG2582648
(S) Nitrobenzene-d5	*45.9*		*10.0-122*		*08/21/2025 16:27*	WG2582648
(S) 2-Fluorobiphenyl	*53.5*		*15.0-120*		*08/21/2025 16:27*	WG2582648
(S) 2,4,6-Tribromophenol	*95.8*		*10.0-127*		*08/21/2025 16:27*	WG2582648
(S) p-Terphenyl-d14	*61.0*		*10.0-120*		*08/21/2025 16:27*	WG2582648

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		0.0344	1	08/21/2025 03:26	WG2583077
Acenaphthene	ND		0.0344	1	08/21/2025 03:26	WG2583077
Acenaphthylene	ND		0.0344	1	08/21/2025 03:26	WG2583077
Benzo(a)anthracene	ND		0.00625	1	08/21/2025 03:26	WG2583077
Benzo(a)pyrene	ND		0.0344	1	08/21/2025 03:26	WG2583077
Benzo(b)fluoranthene	ND		0.0344	1	08/21/2025 03:26	WG2583077
Benzo(g,h,i)perylene	ND		0.0344	1	08/21/2025 03:26	WG2583077
Benzo(k)fluoranthene	ND		0.0344	1	08/21/2025 03:26	WG2583077
Chrysene	ND		0.0344	1	08/21/2025 03:26	WG2583077
Dibenz(a,h)anthracene	ND		0.0344	1	08/21/2025 03:26	WG2583077
Fluoranthene	ND		0.0344	1	08/21/2025 03:26	WG2583077
Fluorene	ND		0.0344	1	08/21/2025 03:26	WG2583077
Indeno(1,2,3-cd)pyrene	ND		0.0344	1	08/21/2025 03:26	WG2583077
Naphthalene	ND		0.00313	1	08/21/2025 03:26	WG2583077
Phenanthrene	ND		0.0344	1	08/21/2025 03:26	WG2583077
Pyrene	ND		0.0344	1	08/21/2025 03:26	WG2583077
1-Methylnaphthalene	ND		0.00313	1	08/21/2025 03:26	WG2583077
2-Methylnaphthalene	ND		0.0125	1	08/21/2025 03:26	WG2583077
(S) p-Terphenyl-d14	*102*		*23.0-120*		*08/21/2025 03:26*	WG2583077
(S) Nitrobenzene-d5	*89.4*		*14.0-149*		*08/21/2025 03:26*	WG2583077
(S) 2-Fluorobiphenyl	*98.5*		*34.0-125*		*08/21/2025 03:26*	WG2583077

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	08/16/2025 19:29	WG2581309
Acrolein	ND		0.0500	1	08/16/2025 19:29	WG2581309
Acrylonitrile	ND		0.0100	1	08/16/2025 19:29	WG2581309
Benzene	ND		0.00100	1	08/16/2025 19:29	WG2581309
Bromobenzene	ND		0.00100	1	08/16/2025 19:29	WG2581309
Bromodichloromethane	ND		0.00100	1	08/16/2025 19:29	WG2581309
Bromoform	ND		0.00100	1	08/16/2025 19:29	WG2581309
Bromomethane	ND	C3	0.00500	1	08/16/2025 19:29	WG2581309
n-Butylbenzene	ND		0.00100	1	08/16/2025 19:29	WG2581309
sec-Butylbenzene	ND		0.00100	1	08/16/2025 19:29	WG2581309
tert-Butylbenzene	ND		0.00100	1	08/16/2025 19:29	WG2581309
Carbon tetrachloride	ND		0.00100	1	08/16/2025 19:29	WG2581309
Chlorobenzene	ND		0.00100	1	08/16/2025 19:29	WG2581309
Chlorodibromomethane	ND		0.00100	1	08/16/2025 19:29	WG2581309
Chloroethane	ND		0.00500	1	08/16/2025 19:29	WG2581309
Chloroform	ND		0.00500	1	08/16/2025 19:29	WG2581309
Chloromethane	ND	C3	0.00500	1	08/16/2025 19:29	WG2581309
2-Chlorotoluene	ND		0.00100	1	08/16/2025 19:29	WG2581309
4-Chlorotoluene	ND		0.00100	1	08/16/2025 19:29	WG2581309
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	08/16/2025 19:29	WG2581309
1,2-Dibromoethane	ND		0.00100	1	08/16/2025 19:29	WG2581309
Dibromomethane	ND		0.00100	1	08/16/2025 19:29	WG2581309
1,2-Dichlorobenzene	ND		0.00100	1	08/16/2025 19:29	WG2581309
1,3-Dichlorobenzene	ND		0.00100	1	08/16/2025 19:29	WG2581309
1,4-Dichlorobenzene	ND		0.00100	1	08/16/2025 19:29	WG2581309
Dichlorodifluoromethane	ND		0.00500	1	08/16/2025 19:29	WG2581309
1,1-Dichloroethane	ND		0.00100	1	08/16/2025 19:29	WG2581309
1,2-Dichloroethane	ND		0.00100	1	08/16/2025 19:29	WG2581309
1,1-Dichloroethene	ND		0.00100	1	08/16/2025 19:29	WG2581309
cis-1,2-Dichloroethene	ND		0.00100	1	08/16/2025 19:29	WG2581309
trans-1,2-Dichloroethene	ND		0.00100	1	08/16/2025 19:29	WG2581309
1,2-Dichloropropane	ND		0.00100	1	08/16/2025 19:29	WG2581309
1,1-Dichloropropene	ND		0.00100	1	08/16/2025 19:29	WG2581309
1,3-Dichloropropane	ND		0.00100	1	08/16/2025 19:29	WG2581309
cis-1,3-Dichloropropene	ND		0.00100	1	08/16/2025 19:29	WG2581309
trans-1,3-Dichloropropene	ND		0.00100	1	08/16/2025 19:29	WG2581309
2,2-Dichloropropane	ND		0.00100	1	08/16/2025 19:29	WG2581309
Di-isopropyl ether	ND		0.00100	1	08/16/2025 19:29	WG2581309
Ethylbenzene	ND		0.00100	1	08/16/2025 19:29	WG2581309
Hexachloro-1,3-butadiene	ND		0.00200	1	08/16/2025 19:29	WG2581309
Isopropylbenzene	ND		0.00100	1	08/16/2025 19:29	WG2581309
p-Isopropyltoluene	ND		0.00100	1	08/16/2025 19:29	WG2581309
2-Butanone (MEK)	ND		0.0200	1	08/16/2025 19:29	WG2581309
Methylene Chloride	ND		0.00500	1	08/16/2025 19:29	WG2581309
4-Methyl-2-pentanone (MIBK)	ND		0.0200	1	08/16/2025 19:29	WG2581309
Methyl tert-butyl ether	ND		0.00100	1	08/16/2025 19:29	WG2581309
Naphthalene	ND		0.00500	1	08/16/2025 19:29	WG2581309
n-Propylbenzene	ND		0.00100	1	08/16/2025 19:29	WG2581309
Styrene	ND		0.00100	1	08/16/2025 19:29	WG2581309
1,1,1,2-Tetrachloroethane	ND		0.00100	1	08/16/2025 19:29	WG2581309
1,1,2,2-Tetrachloroethane	ND	C3	0.00100	1	08/16/2025 19:29	WG2581309
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	08/16/2025 19:29	WG2581309
Tetrachloroethene	ND		0.00100	1	08/16/2025 19:29	WG2581309
Toluene	ND		0.00100	1	08/16/2025 19:29	WG2581309
1,2,3-Trichlorobenzene	ND		0.00100	1	08/16/2025 19:29	WG2581309
1,2,4-Trichlorobenzene	ND		0.00200	1	08/16/2025 19:29	WG2581309

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	08/16/2025 19:29	WG2581309
1,1,2-Trichloroethane	ND		0.00100	1	08/16/2025 19:29	WG2581309
Trichloroethene	ND		0.00100	1	08/16/2025 19:29	WG2581309
Trichlorofluoromethane	ND		0.00500	1	08/16/2025 19:29	WG2581309
1,2,3-Trichloropropane	ND		0.00250	1	08/16/2025 19:29	WG2581309
1,2,4-Trimethylbenzene	ND		0.00200	1	08/16/2025 19:29	WG2581309
1,2,3-Trimethylbenzene	ND		0.00100	1	08/16/2025 19:29	WG2581309
1,3,5-Trimethylbenzene	ND		0.00100	1	08/16/2025 19:29	WG2581309
Vinyl chloride	ND		0.00100	1	08/16/2025 19:29	WG2581309
Xylenes, Total	ND		0.00300	1	08/16/2025 19:29	WG2581309
(S) Toluene-d8	*96.3*		*80.0-120*		*08/16/2025 19:29*	WG2581309
(S) 4-Bromofluorobenzene	*98.8*		*77.0-126*		*08/16/2025 19:29*	WG2581309
(S) 1,2-Dichloroethane-d4	*122*		*70.0-130*		*08/16/2025 19:29*	WG2581309

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.556		1	08/20/2025 07:46	WG2582953

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	951		20.5	1	08/25/2025 19:04	WG2581505

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	97.7		1	08/18/2025 13:45	WG2581749

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		10.2	1	08/19/2025 22:54	WG2581842

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	920		102	5	08/25/2025 19:04	WG2585770

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.205	1	09/04/2025 20:58	WG2590692

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.00		1	08/20/2025 16:10	WG2583520

Sample Narrative:

L1889504-09 WG2583520: 8 at 21.6C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	421	umhos/cm		10.0	1	08/20/2025 20:15	WG2583523

Sample Narrative:

L1889504-09 WG2583523: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	31.0		20.5	1	08/17/2025 17:24	WG2581505

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	12200		500	5	08/21/2025 14:21	WG2581621

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	8540		20.5	1	08/20/2025 09:39	WG2582195
Antimony	ND		2.05	1	08/20/2025 09:39	WG2582195
Beryllium	0.510		0.205	1	08/20/2025 09:39	WG2582195
Calcium	5730		102	1	08/20/2025 09:39	WG2582195
Chromium	9.01		1.02	1	08/20/2025 09:39	WG2582195
Cobalt	5.47		1.02	1	08/20/2025 09:39	WG2582195
Iron	10900		10.2	1	08/20/2025 09:39	WG2582195
Magnesium	2080		102	1	08/20/2025 09:39	WG2582195
Manganese	342		1.02	1	08/20/2025 09:39	WG2582195
Potassium	2420		102	1	08/20/2025 09:39	WG2582195
Sodium	ND		102	1	08/20/2025 09:39	WG2582195
Thallium	ND		2.05	1	08/20/2025 09:39	WG2582195
Vanadium	18.4		2.05	1	08/20/2025 09:39	WG2582195

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	0.149		0.100	1	08/20/2025 12:30	WG2582970

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	7.38		0.102	5	08/20/2025 12:43	WG2582170
Barium	97.4		10.2	5	08/20/2025 12:43	WG2582170
Cadmium	0.411		0.102	5	08/20/2025 12:43	WG2582170
Copper	13.1		10.2	5	08/20/2025 12:43	WG2582170
Lead	37.6		10.2	5	08/20/2025 12:43	WG2582170
Nickel	ND		10.2	5	08/20/2025 12:43	WG2582170
Selenium	0.370		0.102	5	08/20/2025 12:43	WG2582170
Silver	ND		0.512	5	08/20/2025 12:43	WG2582170
Zinc	115		51.2	5	08/20/2025 12:43	WG2582170

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		2.62	25	08/17/2025 09:02	WG2581370
(S) a,a,a-Trifluorotoluene(FID)	*102*		*77.0-120*		*08/17/2025 09:02*	WG2581370

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	J3	0.105	1	08/17/2025 09:01	WG2581339
Acrylonitrile	ND		0.0131	1	08/17/2025 09:01	WG2581339
Benzene	ND		0.00105	1	08/17/2025 09:01	WG2581339
Bromobenzene	ND		0.0131	1	08/17/2025 09:01	WG2581339
Bromodichloromethane	ND		0.00262	1	08/17/2025 09:01	WG2581339
Bromoform	ND		0.0262	1	08/17/2025 09:01	WG2581339
Bromomethane	ND		0.0131	1	08/17/2025 09:01	WG2581339
n-Butylbenzene	ND		0.0131	1	08/17/2025 09:01	WG2581339
sec-Butylbenzene	ND		0.0131	1	08/17/2025 09:01	WG2581339
tert-Butylbenzene	ND		0.00524	1	08/17/2025 09:01	WG2581339
Carbon tetrachloride	ND		0.00524	1	08/17/2025 09:01	WG2581339
Chlorobenzene	ND		0.00262	1	08/17/2025 09:01	WG2581339
Chlorodibromomethane	ND		0.00262	1	08/17/2025 09:01	WG2581339

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND		0.0105	1	08/17/2025 09:01	WG2581339
Chloroform	ND		0.00262	1	08/17/2025 09:01	WG2581339
Chloromethane	ND		0.0131	1	08/17/2025 09:01	WG2581339
2-Chlorotoluene	ND		0.00262	1	08/17/2025 09:01	WG2581339
4-Chlorotoluene	ND		0.00524	1	08/17/2025 09:01	WG2581339
1,2-Dibromo-3-Chloropropane	ND	C3	0.0262	1	08/17/2025 09:01	WG2581339
1,2-Dibromoethane	ND		0.00262	1	08/17/2025 09:01	WG2581339
Dibromomethane	ND		0.00524	1	08/17/2025 09:01	WG2581339
1,2-Dichlorobenzene	ND		0.00524	1	08/17/2025 09:01	WG2581339
1,3-Dichlorobenzene	ND		0.00524	1	08/17/2025 09:01	WG2581339
1,4-Dichlorobenzene	ND		0.00524	1	08/17/2025 09:01	WG2581339
Dichlorodifluoromethane	ND	J3	0.00524	1	08/17/2025 09:01	WG2581339
1,1-Dichloroethane	ND		0.00262	1	08/17/2025 09:01	WG2581339
1,2-Dichloroethane	ND		0.00262	1	08/17/2025 09:01	WG2581339
1,1-Dichloroethene	ND		0.00262	1	08/17/2025 09:01	WG2581339
cis-1,2-Dichloroethene	ND		0.00262	1	08/17/2025 09:01	WG2581339
trans-1,2-Dichloroethene	ND		0.00524	1	08/17/2025 09:01	WG2581339
1,2-Dichloropropane	ND		0.00524	1	08/17/2025 09:01	WG2581339
1,1-Dichloropropene	ND	J3	0.00524	1	08/17/2025 09:01	WG2581339
1,3-Dichloropropane	ND		0.00524	1	08/17/2025 09:01	WG2581339
cis-1,3-Dichloropropene	ND		0.00262	1	08/17/2025 09:01	WG2581339
trans-1,3-Dichloropropene	ND		0.00524	1	08/17/2025 09:01	WG2581339
2,2-Dichloropropane	ND		0.00262	1	08/17/2025 09:01	WG2581339
Di-isopropyl ether	ND		0.00105	1	08/17/2025 09:01	WG2581339
Ethylbenzene	ND		0.00262	1	08/17/2025 09:01	WG2581339
Hexachloro-1,3-butadiene	ND		0.0262	1	08/17/2025 09:01	WG2581339
Isopropylbenzene	ND		0.00262	1	08/17/2025 09:01	WG2581339
p-Isopropyltoluene	ND		0.00524	1	08/17/2025 09:01	WG2581339
2-Butanone (MEK)	ND	C3	0.105	1	08/17/2025 09:01	WG2581339
Methylene Chloride	ND		0.0262	1	08/17/2025 09:01	WG2581339
4-Methyl-2-pentanone (MIBK)	ND		0.0262	1	08/17/2025 09:01	WG2581339
Methyl tert-butyl ether	ND		0.00105	1	08/17/2025 09:01	WG2581339
n-Propylbenzene	ND		0.00524	1	08/17/2025 09:01	WG2581339
Styrene	ND		0.0131	1	08/17/2025 09:01	WG2581339
1,1,1,2-Tetrachloroethane	ND		0.00262	1	08/17/2025 09:01	WG2581339
1,1,2,2-Tetrachloroethane	ND		0.00262	1	08/17/2025 09:01	WG2581339
1,1,2-Trichlorotrifluoroethane	ND		0.00524	1	08/17/2025 09:01	WG2581339
Tetrachloroethene	ND		0.00262	1	08/17/2025 09:01	WG2581339
Toluene	ND		0.00524	1	08/17/2025 09:01	WG2581339
1,2,3-Trichlorobenzene	ND	C3	0.0131	1	08/17/2025 09:01	WG2581339
1,2,4-Trichlorobenzene	ND		0.0131	1	08/17/2025 09:01	WG2581339
1,1,1-Trichloroethane	ND		0.00262	1	08/17/2025 09:01	WG2581339
1,1,2-Trichloroethane	ND		0.00262	1	08/17/2025 09:01	WG2581339
Trichloroethene	ND		0.00105	1	08/17/2025 09:01	WG2581339
Trichlorofluoromethane	ND		0.00419	1	08/17/2025 09:01	WG2581339
1,2,3-Trichloropropane	ND		0.0131	1	08/17/2025 09:01	WG2581339
1,2,3-Trimethylbenzene	ND		0.00524	1	08/17/2025 09:01	WG2581339
1,2,4-Trimethylbenzene	ND		0.00524	1	08/17/2025 09:01	WG2581339
1,3,5-Trimethylbenzene	ND		0.00524	1	08/17/2025 09:01	WG2581339
Vinyl chloride	ND		0.00262	1	08/17/2025 09:01	WG2581339
Xylenes, Total	ND		0.00681	1	08/17/2025 09:01	WG2581339
(S) Toluene-d8	*99.9*		*75.0-131*		*08/17/2025 09:01*	WG2581339
(S) 4-Bromofluorobenzene	*101*		*67.0-138*		*08/17/2025 09:01*	WG2581339
(S) 1,2-Dichloroethane-d4	*101*		*70.0-130*		*08/17/2025 09:01*	WG2581339

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		81.9	20	08/21/2025 03:01	WG2582610
C28-C36 Motor Oil Range	319		81.9	20	08/21/2025 03:01	WG2582610
(S) o-Terphenyl	*78.5*	J7	*18.0-148*		*08/21/2025 03:01*	WG2582610

Sample Narrative:

L1889504-09 WG2582610: 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		0.0682	2	08/21/2025 20:17	WG2582648
Benzidine	ND	C3 C6 J4	3.42	2	08/21/2025 20:17	WG2582648
Benzo(g,h,i)perylene	ND		0.0682	2	08/21/2025 20:17	WG2582648
Bis(2-chlorethoxy)methane	ND		0.682	2	08/21/2025 20:17	WG2582648
Bis(2-chloroethyl)ether	ND	C3	0.682	2	08/21/2025 20:17	WG2582648
2,2-Oxybis(1-Chloropropane)	ND		0.682	2	08/21/2025 20:17	WG2582648
4-Bromophenyl-phenylether	ND		0.682	2	08/21/2025 20:17	WG2582648
2-Chloronaphthalene	ND		0.0682	2	08/21/2025 20:17	WG2582648
4-Chlorophenyl-phenylether	ND		0.682	2	08/21/2025 20:17	WG2582648
1,2-Dichlorobenzene	ND		0.682	2	08/21/2025 20:17	WG2582648
1,3-Dichlorobenzene	ND		0.682	2	08/21/2025 20:17	WG2582648
1,4-Dichlorobenzene	ND		0.682	2	08/21/2025 20:17	WG2582648
3,3-Dichlorobenzidine	ND		0.682	2	08/21/2025 20:17	WG2582648
2,4-Dinitrotoluene	ND		0.682	2	08/21/2025 20:17	WG2582648
2,6-Dinitrotoluene	ND		0.682	2	08/21/2025 20:17	WG2582648
Hexachlorobenzene	ND		0.682	2	08/21/2025 20:17	WG2582648
Hexachloro-1,3-butadiene	ND		0.682	2	08/21/2025 20:17	WG2582648
Hexachlorocyclopentadiene	ND	C3	0.682	2	08/21/2025 20:17	WG2582648
Hexachloroethane	ND		0.682	2	08/21/2025 20:17	WG2582648
Isophorone	ND		0.682	2	08/21/2025 20:17	WG2582648
Nitrobenzene	ND		0.682	2	08/21/2025 20:17	WG2582648
n-Nitrosodimethylamine	ND	C3	0.682	2	08/21/2025 20:17	WG2582648
n-Nitrosodiphenylamine	ND		0.682	2	08/21/2025 20:17	WG2582648
n-Nitrosodi-n-propylamine	ND		0.682	2	08/21/2025 20:17	WG2582648
Phenanthrene	ND		0.0682	2	08/21/2025 20:17	WG2582648
Benzylbutyl phthalate	ND		0.682	2	08/21/2025 20:17	WG2582648
Bis(2-ethylhexyl)phthalate	ND		0.682	2	08/21/2025 20:17	WG2582648
Di-n-butyl phthalate	ND		0.682	2	08/21/2025 20:17	WG2582648
Diethyl phthalate	ND		0.682	2	08/21/2025 20:17	WG2582648
Dimethyl phthalate	ND		0.682	2	08/21/2025 20:17	WG2582648
Di-n-octyl phthalate	ND		0.682	2	08/21/2025 20:17	WG2582648
1,2,4-Trichlorobenzene	ND		0.682	2	08/21/2025 20:17	WG2582648
4-Chloro-3-methylphenol	ND		0.682	2	08/21/2025 20:17	WG2582648
2-Chlorophenol	ND		0.682	2	08/21/2025 20:17	WG2582648
2,4-Dichlorophenol	ND		0.682	2	08/21/2025 20:17	WG2582648
2,4-Dimethylphenol	ND	C3	0.682	2	08/21/2025 20:17	WG2582648
4,6-Dinitro-2-methylphenol	ND		0.682	2	08/21/2025 20:17	WG2582648
2,4-Dinitrophenol	ND		0.682	2	08/21/2025 20:17	WG2582648
2-Nitrophenol	ND		0.682	2	08/21/2025 20:17	WG2582648
4-Nitrophenol	ND		0.682	2	08/21/2025 20:17	WG2582648
Pentachlorophenol	ND		0.682	2	08/21/2025 20:17	WG2582648
Phenol	ND		0.682	2	08/21/2025 20:17	WG2582648
2,4,6-Trichlorophenol	ND		0.682	2	08/21/2025 20:17	WG2582648
(S) 2-Fluorophenol	*58.7*		*12.0-120*		*08/21/2025 20:17*	WG2582648
(S) Phenol-d5	*55.3*		*10.0-120*		*08/21/2025 20:17*	WG2582648
(S) Nitrobenzene-d5	*49.1*		*10.0-122*		*08/21/2025 20:17*	WG2582648

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	*57.8*		*15.0-120*		*08/21/2025 20:17*	WG2582648
(S) 2,4,6-Tribromophenol	*106*		*10.0-127*		*08/21/2025 20:17*	WG2582648
(S) p-Terphenyl-d14	*68.0*		*10.0-120*		*08/21/2025 20:17*	WG2582648

Sample Narrative:

L1889504-09 WG2582648: 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		0.0338	1	08/20/2025 23:09	WG2583077
Acenaphthene	ND		0.0338	1	08/20/2025 23:09	WG2583077
Acenaphthylene	ND		0.0338	1	08/20/2025 23:09	WG2583077
Benzo(a)anthracene	0.0191		0.00614	1	08/20/2025 23:09	WG2583077
Benzo(a)pyrene	ND		0.0338	1	08/20/2025 23:09	WG2583077
Benzo(b)fluoranthene	0.0521		0.0338	1	08/20/2025 23:09	WG2583077
Benzo(g,h,i)perylene	0.0483		0.0338	1	08/20/2025 23:09	WG2583077
Benzo(k)fluoranthene	ND		0.0338	1	08/20/2025 23:09	WG2583077
Chrysene	ND		0.0338	1	08/20/2025 23:09	WG2583077
Dibenz(a,h)anthracene	ND		0.0338	1	08/20/2025 23:09	WG2583077
Fluoranthene	0.0397		0.0338	1	08/20/2025 23:09	WG2583077
Fluorene	ND		0.0338	1	08/20/2025 23:09	WG2583077
Indeno(1,2,3-cd)pyrene	ND		0.0338	1	08/20/2025 23:09	WG2583077
Naphthalene	ND		0.00307	1	08/20/2025 23:09	WG2583077
Phenanthrene	ND		0.0338	1	08/20/2025 23:09	WG2583077
Pyrene	0.0388		0.0338	1	08/20/2025 23:09	WG2583077
1-Methylnaphthalene	ND		0.00307	1	08/20/2025 23:09	WG2583077
2-Methylnaphthalene	ND		0.0123	1	08/20/2025 23:09	WG2583077
(S) p-Terphenyl-d14	*110*		*23.0-120*		*08/20/2025 23:09*	WG2583077
(S) Nitrobenzene-d5	*106*		*14.0-149*		*08/20/2025 23:09*	WG2583077
(S) 2-Fluorobiphenyl	*108*		*34.0-125*		*08/20/2025 23:09*	WG2583077

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.725		1	08/20/2025 07:49	WG2582953

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1060		20.6	1	08/25/2025 19:06	WG2581505

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	96.9		1	08/18/2025 13:45	WG2581749

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	08/19/2025 22:56	WG2581842

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	1020		103	5	08/25/2025 19:06	WG2585770

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	09/04/2025 21:25	WG2590692

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.53		1	08/20/2025 16:10	WG2583520

Sample Narrative:

L1889504-10 WG2583520: 7.53 at 21.8C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	772	umhos/cm		10.0	1	08/20/2025 20:15	WG2583523

Sample Narrative:

L1889504-10 WG2583523: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	37.1		20.6	1	08/17/2025 17:37	WG2581505

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	13600		500	5	08/21/2025 14:21	WG2581621

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	10900		20.6	1	08/20/2025 09:41	WG2582195
Antimony	ND		2.06	1	08/20/2025 09:41	WG2582195
Beryllium	0.576		0.206	1	08/20/2025 09:41	WG2582195
Calcium	4500		103	1	08/20/2025 09:41	WG2582195
Chromium	9.87		1.03	1	08/20/2025 09:41	WG2582195
Cobalt	4.51		1.03	1	08/20/2025 09:41	WG2582195
Iron	12900		10.3	1	08/20/2025 09:41	WG2582195
Magnesium	2620		103	1	08/20/2025 09:41	WG2582195
Manganese	304		1.03	1	08/20/2025 09:41	WG2582195
Potassium	3630		103	1	08/20/2025 09:41	WG2582195
Sodium	ND		103	1	08/20/2025 09:41	WG2582195
Thallium	ND		2.06	1	08/20/2025 09:41	WG2582195
Vanadium	20.2		2.06	1	08/20/2025 09:41	WG2582195

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	0.233		0.100	1	08/20/2025 12:33	WG2582970

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	5.92		0.103	5	08/20/2025 12:47	WG2582170
Barium	92.8		10.3	5	08/20/2025 12:47	WG2582170
Cadmium	0.271		0.103	5	08/20/2025 12:47	WG2582170
Copper	11.1		10.3	5	08/20/2025 12:47	WG2582170
Lead	21.9		10.3	5	08/20/2025 12:47	WG2582170
Nickel	ND		10.3	5	08/20/2025 12:47	WG2582170
Selenium	0.646		0.103	5	08/20/2025 12:47	WG2582170
Silver	ND		0.516	5	08/20/2025 12:47	WG2582170
Zinc	160		51.6	5	08/20/2025 12:47	WG2582170

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		2.66	25	08/17/2025 09:24	WG2581370
(S) a,a,a-Trifluorotoluene(FID)	*101*		*77.0-120*		*08/17/2025 09:24*	WG2581370

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	J3	0.106	1	08/17/2025 08:40	WG2581339
Acrylonitrile	ND		0.0133	1	08/17/2025 08:40	WG2581339
Benzene	ND		0.00106	1	08/17/2025 08:40	WG2581339
Bromobenzene	ND		0.0133	1	08/17/2025 08:40	WG2581339
Bromodichloromethane	ND		0.00266	1	08/17/2025 08:40	WG2581339
Bromoform	ND		0.0266	1	08/17/2025 08:40	WG2581339
Bromomethane	ND		0.0133	1	08/17/2025 08:40	WG2581339
n-Butylbenzene	ND		0.0133	1	08/17/2025 08:40	WG2581339
sec-Butylbenzene	ND		0.0133	1	08/17/2025 08:40	WG2581339
tert-Butylbenzene	ND		0.00532	1	08/17/2025 08:40	WG2581339
Carbon tetrachloride	ND		0.00532	1	08/17/2025 08:40	WG2581339
Chlorobenzene	ND		0.00266	1	08/17/2025 08:40	WG2581339
Chlorodibromomethane	ND		0.00266	1	08/17/2025 08:40	WG2581339

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		0.0106	1	08/17/2025 08:40	WG2581339
Chloroform	ND		0.00266	1	08/17/2025 08:40	WG2581339
Chloromethane	ND		0.0133	1	08/17/2025 08:40	WG2581339
2-Chlorotoluene	ND		0.00266	1	08/17/2025 08:40	WG2581339
4-Chlorotoluene	ND		0.00532	1	08/17/2025 08:40	WG2581339
1,2-Dibromo-3-Chloropropane	ND	C3	0.0266	1	08/17/2025 08:40	WG2581339
1,2-Dibromoethane	ND		0.00266	1	08/17/2025 08:40	WG2581339
Dibromomethane	ND		0.00532	1	08/17/2025 08:40	WG2581339
1,2-Dichlorobenzene	ND		0.00532	1	08/17/2025 08:40	WG2581339
1,3-Dichlorobenzene	ND		0.00532	1	08/17/2025 08:40	WG2581339
1,4-Dichlorobenzene	ND		0.00532	1	08/17/2025 08:40	WG2581339
Dichlorodifluoromethane	ND	J3	0.00532	1	08/17/2025 08:40	WG2581339
1,1-Dichloroethane	ND		0.00266	1	08/17/2025 08:40	WG2581339
1,2-Dichloroethane	ND		0.00266	1	08/17/2025 08:40	WG2581339
1,1-Dichloroethene	ND		0.00266	1	08/17/2025 08:40	WG2581339
cis-1,2-Dichloroethene	ND		0.00266	1	08/17/2025 08:40	WG2581339
trans-1,2-Dichloroethene	ND		0.00532	1	08/17/2025 08:40	WG2581339
1,2-Dichloropropane	ND		0.00532	1	08/17/2025 08:40	WG2581339
1,1-Dichloropropene	ND	J3	0.00532	1	08/17/2025 08:40	WG2581339
1,3-Dichloropropane	ND		0.00532	1	08/17/2025 08:40	WG2581339
cis-1,3-Dichloropropene	ND		0.00266	1	08/17/2025 08:40	WG2581339
trans-1,3-Dichloropropene	ND		0.00532	1	08/17/2025 08:40	WG2581339
2,2-Dichloropropane	ND		0.00266	1	08/17/2025 08:40	WG2581339
Di-isopropyl ether	ND		0.00106	1	08/17/2025 08:40	WG2581339
Ethylbenzene	ND		0.00266	1	08/17/2025 08:40	WG2581339
Hexachloro-1,3-butadiene	ND		0.0266	1	08/17/2025 08:40	WG2581339
Isopropylbenzene	ND		0.00266	1	08/17/2025 08:40	WG2581339
p-Isopropyltoluene	ND		0.00532	1	08/17/2025 08:40	WG2581339
2-Butanone (MEK)	ND	C3	0.106	1	08/17/2025 08:40	WG2581339
Methylene Chloride	ND		0.0266	1	08/17/2025 08:40	WG2581339
4-Methyl-2-pentanone (MIBK)	ND		0.0266	1	08/17/2025 08:40	WG2581339
Methyl tert-butyl ether	ND		0.00106	1	08/17/2025 08:40	WG2581339
n-Propylbenzene	ND		0.00532	1	08/17/2025 08:40	WG2581339
Styrene	ND		0.0133	1	08/17/2025 08:40	WG2581339
1,1,1,2-Tetrachloroethane	ND		0.00266	1	08/17/2025 08:40	WG2581339
1,1,2,2-Tetrachloroethane	ND		0.00266	1	08/17/2025 08:40	WG2581339
1,1,2-Trichlorotrifluoroethane	ND		0.00532	1	08/17/2025 08:40	WG2581339
Tetrachloroethene	ND		0.00266	1	08/17/2025 08:40	WG2581339
Toluene	ND		0.00532	1	08/17/2025 08:40	WG2581339
1,2,3-Trichlorobenzene	ND	C3	0.0133	1	08/17/2025 08:40	WG2581339
1,2,4-Trichlorobenzene	ND		0.0133	1	08/17/2025 08:40	WG2581339
1,1,1-Trichloroethane	ND		0.00266	1	08/17/2025 08:40	WG2581339
1,1,2-Trichloroethane	ND		0.00266	1	08/17/2025 08:40	WG2581339
Trichloroethene	ND		0.00106	1	08/17/2025 08:40	WG2581339
Trichlorofluoromethane	ND		0.00426	1	08/17/2025 08:40	WG2581339
1,2,3-Trichloropropane	ND		0.0133	1	08/17/2025 08:40	WG2581339
1,2,3-Trimethylbenzene	ND		0.00532	1	08/17/2025 08:40	WG2581339
1,2,4-Trimethylbenzene	ND		0.00532	1	08/17/2025 08:40	WG2581339
1,3,5-Trimethylbenzene	ND		0.00532	1	08/17/2025 08:40	WG2581339
Vinyl chloride	ND		0.00266	1	08/17/2025 08:40	WG2581339
Xylenes, Total	ND		0.00691	1	08/17/2025 08:40	WG2581339
(S) Toluene-d8	*102*		*75.0-131*		*08/17/2025 08:40*	WG2581339
(S) 4-Bromofluorobenzene	*98.7*		*67.0-138*		*08/17/2025 08:40*	WG2581339
(S) 1,2-Dichloroethane-d4	*101*		*70.0-130*		*08/17/2025 08:40*	WG2581339

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	9.26		4.13	1	08/21/2025 01:15	WG2582610
C28-C36 Motor Oil Range	49.2		4.13	1	08/21/2025 01:15	WG2582610
(S) o-Terphenyl	*68.4*		*18.0-148*		*08/21/2025 01:15*	WG2582610

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		0.0344	1	08/21/2025 16:50	WG2582648
Benzidine	ND	C3 C6 J4	1.72	1	08/21/2025 16:50	WG2582648
Benzo(g,h,i)perylene	ND		0.0344	1	08/21/2025 16:50	WG2582648
Bis(2-chlorethoxy)methane	ND		0.344	1	08/21/2025 16:50	WG2582648
Bis(2-chloroethyl)ether	ND	C3	0.344	1	08/21/2025 16:50	WG2582648
2,2-Oxybis(1-Chloropropane)	ND		0.344	1	08/21/2025 16:50	WG2582648
4-Bromophenyl-phenylether	ND		0.344	1	08/21/2025 16:50	WG2582648
2-Chloronaphthalene	ND		0.0344	1	08/21/2025 16:50	WG2582648
4-Chlorophenyl-phenylether	ND		0.344	1	08/21/2025 16:50	WG2582648
1,2-Dichlorobenzene	ND		0.344	1	08/21/2025 16:50	WG2582648
1,3-Dichlorobenzene	ND		0.344	1	08/21/2025 16:50	WG2582648
1,4-Dichlorobenzene	ND		0.344	1	08/21/2025 16:50	WG2582648
3,3-Dichlorobenzidine	ND		0.344	1	08/21/2025 16:50	WG2582648
2,4-Dinitrotoluene	ND		0.344	1	08/21/2025 16:50	WG2582648
2,6-Dinitrotoluene	ND		0.344	1	08/21/2025 16:50	WG2582648
Hexachlorobenzene	ND		0.344	1	08/21/2025 16:50	WG2582648
Hexachloro-1,3-butadiene	ND		0.344	1	08/21/2025 16:50	WG2582648
Hexachlorocyclopentadiene	ND	C3	0.344	1	08/21/2025 16:50	WG2582648
Hexachloroethane	ND		0.344	1	08/21/2025 16:50	WG2582648
Isophorone	ND		0.344	1	08/21/2025 16:50	WG2582648
Nitrobenzene	ND		0.344	1	08/21/2025 16:50	WG2582648
n-Nitrosodimethylamine	ND	C3	0.344	1	08/21/2025 16:50	WG2582648
n-Nitrosodiphenylamine	ND		0.344	1	08/21/2025 16:50	WG2582648
n-Nitrosodi-n-propylamine	ND		0.344	1	08/21/2025 16:50	WG2582648
Phenanthrene	ND		0.0344	1	08/21/2025 16:50	WG2582648
Benzylbutyl phthalate	ND		0.344	1	08/21/2025 16:50	WG2582648
Bis(2-ethylhexyl)phthalate	ND		0.344	1	08/21/2025 16:50	WG2582648
Di-n-butyl phthalate	ND		0.344	1	08/21/2025 16:50	WG2582648
Diethyl phthalate	ND		0.344	1	08/21/2025 16:50	WG2582648
Dimethyl phthalate	ND		0.344	1	08/21/2025 16:50	WG2582648
Di-n-octyl phthalate	ND		0.344	1	08/21/2025 16:50	WG2582648
1,2,4-Trichlorobenzene	ND		0.344	1	08/21/2025 16:50	WG2582648
4-Chloro-3-methylphenol	ND		0.344	1	08/21/2025 16:50	WG2582648
2-Chlorophenol	ND		0.344	1	08/21/2025 16:50	WG2582648
2,4-Dichlorophenol	ND		0.344	1	08/21/2025 16:50	WG2582648
2,4-Dimethylphenol	ND	C3	0.344	1	08/21/2025 16:50	WG2582648
4,6-Dinitro-2-methylphenol	ND		0.344	1	08/21/2025 16:50	WG2582648
2,4-Dinitrophenol	ND		0.344	1	08/21/2025 16:50	WG2582648
2-Nitrophenol	ND		0.344	1	08/21/2025 16:50	WG2582648
4-Nitrophenol	ND		0.344	1	08/21/2025 16:50	WG2582648
Pentachlorophenol	ND		0.344	1	08/21/2025 16:50	WG2582648
Phenol	ND		0.344	1	08/21/2025 16:50	WG2582648
2,4,6-Trichlorophenol	ND		0.344	1	08/21/2025 16:50	WG2582648
(S) 2-Fluorophenol	*61.2*		*12.0-120*		*08/21/2025 16:50*	WG2582648
(S) Phenol-d5	*56.1*		*10.0-120*		*08/21/2025 16:50*	WG2582648
(S) Nitrobenzene-d5	*47.7*		*10.0-122*		*08/21/2025 16:50*	WG2582648
(S) 2-Fluorobiphenyl	*57.4*		*15.0-120*		*08/21/2025 16:50*	WG2582648
(S) 2,4,6-Tribromophenol	*105*		*10.0-127*		*08/21/2025 16:50*	WG2582648
(S) p-Terphenyl-d14	*65.3*		*10.0-120*		*08/21/2025 16:50*	WG2582648

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		0.0341	1	08/21/2025 03:44	WG2583077
Acenaphthene	ND		0.0341	1	08/21/2025 03:44	WG2583077
Acenaphthylene	ND		0.0341	1	08/21/2025 03:44	WG2583077
Benzo(a)anthracene	ND		0.00619	1	08/21/2025 03:44	WG2583077
Benzo(a)pyrene	ND		0.0341	1	08/21/2025 03:44	WG2583077
Benzo(b)fluoranthene	ND		0.0341	1	08/21/2025 03:44	WG2583077
Benzo(g,h,i)perylene	ND		0.0341	1	08/21/2025 03:44	WG2583077
Benzo(k)fluoranthene	ND		0.0341	1	08/21/2025 03:44	WG2583077
Chrysene	ND		0.0341	1	08/21/2025 03:44	WG2583077
Dibenz(a,h)anthracene	ND		0.0341	1	08/21/2025 03:44	WG2583077
Fluoranthene	ND		0.0341	1	08/21/2025 03:44	WG2583077
Fluorene	ND		0.0341	1	08/21/2025 03:44	WG2583077
Indeno(1,2,3-cd)pyrene	ND		0.0341	1	08/21/2025 03:44	WG2583077
Naphthalene	ND		0.00310	1	08/21/2025 03:44	WG2583077
Phenanthrene	ND		0.0341	1	08/21/2025 03:44	WG2583077
Pyrene	ND		0.0341	1	08/21/2025 03:44	WG2583077
1-Methylnaphthalene	ND		0.00310	1	08/21/2025 03:44	WG2583077
2-Methylnaphthalene	ND		0.0124	1	08/21/2025 03:44	WG2583077
(S) p-Terphenyl-d14	*98.5*		*23.0-120*		*08/21/2025 03:44*	WG2583077
(S) Nitrobenzene-d5	*88.0*		*14.0-149*		*08/21/2025 03:44*	WG2583077
(S) 2-Fluorobiphenyl	*98.4*		*34.0-125*		*08/21/2025 03:44*	WG2583077

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.82		1	08/20/2025 07:52	WG2582953

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1370		102	1	08/25/2025 19:08	WG2581505

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	97.9		1	08/18/2025 13:45	WG2581749

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	16.8		10.2	1	08/19/2025 22:57	WG2581842

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1260		102	5	08/25/2025 19:08	WG2585770

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.204	1	09/04/2025 21:34	WG2590692

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.00		1	08/20/2025 16:10	WG2583520

Sample Narrative:

L1889504-11 WG2583520: 7 at 21.4C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1130	umhos/cm		10.0	1	08/20/2025 20:15	WG2583523

Sample Narrative:

L1889504-11 WG2583523: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	110		102	5	08/17/2025 17:51	WG2581505

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	20100		500	5	08/21/2025 23:24	WG2582717

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	8830		20.4	1	08/20/2025 09:43	WG2582195
Antimony	ND		2.04	1	08/20/2025 09:43	WG2582195
Beryllium	0.511		0.204	1	08/20/2025 09:43	WG2582195
Calcium	5460		102	1	08/20/2025 09:43	WG2582195
Chromium	9.18		1.02	1	08/20/2025 09:43	WG2582195
Cobalt	3.90		1.02	1	08/20/2025 09:43	WG2582195
Iron	12500		10.2	1	08/20/2025 09:43	WG2582195
Magnesium	2470		102	1	08/20/2025 09:43	WG2582195
Manganese	212		1.02	1	08/20/2025 09:43	WG2582195
Potassium	2340		102	1	08/20/2025 09:43	WG2582195
Sodium	175		102	1	08/20/2025 09:43	WG2582195
Thallium	ND		2.04	1	08/20/2025 09:43	WG2582195
Vanadium	20.0		2.04	1	08/20/2025 09:43	WG2582195

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	ND		0.100	1	08/20/2025 12:36	WG2582970

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.98		0.102	5	08/20/2025 12:50	WG2582170
Barium	76.0		10.2	5	08/20/2025 12:50	WG2582170
Cadmium	0.274		0.102	5	08/20/2025 12:50	WG2582170
Copper	10.6		10.2	5	08/20/2025 12:50	WG2582170
Lead	24.1		10.2	5	08/20/2025 12:50	WG2582170
Nickel	ND		10.2	5	08/20/2025 12:50	WG2582170
Selenium	0.293		0.102	5	08/20/2025 12:50	WG2582170
Silver	ND		0.511	5	08/20/2025 12:50	WG2582170
Zinc	87.3		51.1	5	08/20/2025 12:50	WG2582170

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		2.61	25	08/17/2025 09:45	WG2581370
(S) a,a,a-Trifluorotoluene(FID)	*101*		*77.0-120*		*08/17/2025 09:45*	WG2581370

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	J3	0.104	1	08/17/2025 08:20	WG2581339
Acrylonitrile	ND		0.0130	1	08/17/2025 08:20	WG2581339
Benzene	ND		0.00104	1	08/17/2025 08:20	WG2581339
Bromobenzene	ND		0.0130	1	08/17/2025 08:20	WG2581339
Bromodichloromethane	ND		0.00261	1	08/17/2025 08:20	WG2581339
Bromoform	ND		0.0261	1	08/17/2025 08:20	WG2581339
Bromomethane	ND		0.0130	1	08/17/2025 08:20	WG2581339
n-Butylbenzene	ND		0.0130	1	08/17/2025 08:20	WG2581339
sec-Butylbenzene	ND		0.0130	1	08/17/2025 08:20	WG2581339
tert-Butylbenzene	ND		0.00521	1	08/17/2025 08:20	WG2581339
Carbon tetrachloride	ND		0.00521	1	08/17/2025 08:20	WG2581339
Chlorobenzene	ND		0.00261	1	08/17/2025 08:20	WG2581339
Chlorodibromomethane	ND		0.00261	1	08/17/2025 08:20	WG2581339

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		0.0104	1	08/17/2025 08:20	WG2581339
Chloroform	ND		0.00261	1	08/17/2025 08:20	WG2581339
Chloromethane	ND		0.0130	1	08/17/2025 08:20	WG2581339
2-Chlorotoluene	ND		0.00261	1	08/17/2025 08:20	WG2581339
4-Chlorotoluene	ND		0.00521	1	08/17/2025 08:20	WG2581339
1,2-Dibromo-3-Chloropropane	ND	C3	0.0261	1	08/17/2025 08:20	WG2581339
1,2-Dibromoethane	ND		0.00261	1	08/17/2025 08:20	WG2581339
Dibromomethane	ND		0.00521	1	08/17/2025 08:20	WG2581339
1,2-Dichlorobenzene	ND		0.00521	1	08/17/2025 08:20	WG2581339
1,3-Dichlorobenzene	ND		0.00521	1	08/17/2025 08:20	WG2581339
1,4-Dichlorobenzene	ND		0.00521	1	08/17/2025 08:20	WG2581339
Dichlorodifluoromethane	ND	J3	0.00521	1	08/17/2025 08:20	WG2581339
1,1-Dichloroethane	ND		0.00261	1	08/17/2025 08:20	WG2581339
1,2-Dichloroethane	ND		0.00261	1	08/17/2025 08:20	WG2581339
1,1-Dichloroethene	ND		0.00261	1	08/17/2025 08:20	WG2581339
cis-1,2-Dichloroethene	ND		0.00261	1	08/17/2025 08:20	WG2581339
trans-1,2-Dichloroethene	ND		0.00521	1	08/17/2025 08:20	WG2581339
1,2-Dichloropropane	ND		0.00521	1	08/17/2025 08:20	WG2581339
1,1-Dichloropropene	ND	J3	0.00521	1	08/17/2025 08:20	WG2581339
1,3-Dichloropropane	ND		0.00521	1	08/17/2025 08:20	WG2581339
cis-1,3-Dichloropropene	ND		0.00261	1	08/17/2025 08:20	WG2581339
trans-1,3-Dichloropropene	ND		0.00521	1	08/17/2025 08:20	WG2581339
2,2-Dichloropropane	ND		0.00261	1	08/17/2025 08:20	WG2581339
Di-isopropyl ether	ND		0.00104	1	08/17/2025 08:20	WG2581339
Ethylbenzene	ND		0.00261	1	08/17/2025 08:20	WG2581339
Hexachloro-1,3-butadiene	ND		0.0261	1	08/17/2025 08:20	WG2581339
Isopropylbenzene	ND		0.00261	1	08/17/2025 08:20	WG2581339
p-Isopropyltoluene	ND		0.00521	1	08/17/2025 08:20	WG2581339
2-Butanone (MEK)	ND	C3	0.104	1	08/17/2025 08:20	WG2581339
Methylene Chloride	ND		0.0261	1	08/17/2025 08:20	WG2581339
4-Methyl-2-pentanone (MIBK)	ND		0.0261	1	08/17/2025 08:20	WG2581339
Methyl tert-butyl ether	ND		0.00104	1	08/17/2025 08:20	WG2581339
n-Propylbenzene	ND		0.00521	1	08/17/2025 08:20	WG2581339
Styrene	ND		0.0130	1	08/17/2025 08:20	WG2581339
1,1,1,2-Tetrachloroethane	ND		0.00261	1	08/17/2025 08:20	WG2581339
1,1,2,2-Tetrachloroethane	ND		0.00261	1	08/17/2025 08:20	WG2581339
1,1,2-Trichlorotrifluoroethane	ND		0.00521	1	08/17/2025 08:20	WG2581339
Tetrachloroethene	ND		0.00261	1	08/17/2025 08:20	WG2581339
Toluene	ND		0.00521	1	08/17/2025 08:20	WG2581339
1,2,3-Trichlorobenzene	ND	C3	0.0130	1	08/17/2025 08:20	WG2581339
1,2,4-Trichlorobenzene	ND		0.0130	1	08/17/2025 08:20	WG2581339
1,1,1-Trichloroethane	ND		0.00261	1	08/17/2025 08:20	WG2581339
1,1,2-Trichloroethane	ND		0.00261	1	08/17/2025 08:20	WG2581339
Trichloroethene	ND		0.00104	1	08/17/2025 08:20	WG2581339
Trichlorofluoromethane	ND		0.00417	1	08/17/2025 08:20	WG2581339
1,2,3-Trichloropropane	ND		0.0130	1	08/17/2025 08:20	WG2581339
1,2,3-Trimethylbenzene	ND		0.00521	1	08/17/2025 08:20	WG2581339
1,2,4-Trimethylbenzene	ND		0.00521	1	08/17/2025 08:20	WG2581339
1,3,5-Trimethylbenzene	ND		0.00521	1	08/17/2025 08:20	WG2581339
Vinyl chloride	ND		0.00261	1	08/17/2025 08:20	WG2581339
Xylenes, Total	ND		0.00678	1	08/17/2025 08:20	WG2581339
(S) Toluene-d8	*99.2*		*75.0-131*		*08/17/2025 08:20*	WG2581339
(S) 4-Bromofluorobenzene	*97.4*		*67.0-138*		*08/17/2025 08:20*	WG2581339
(S) 1,2-Dichloroethane-d4	*102*		*70.0-130*		*08/17/2025 08:20*	WG2581339

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	14.6		8.17	2	08/21/2025 15:31	WG2582610
C28-C36 Motor Oil Range	90.0		8.17	2	08/21/2025 15:31	WG2582610
(S) o-Terphenyl	*68.5*		*18.0-148*		*08/21/2025 15:31*	WG2582610

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		0.0340	1	08/21/2025 17:13	WG2582648
Benzidine	ND	C3 C6 J4	1.71	1	08/21/2025 17:13	WG2582648
Benzo(g,h,i)perylene	ND		0.0340	1	08/21/2025 17:13	WG2582648
Bis(2-chlorethoxy)methane	ND		0.340	1	08/21/2025 17:13	WG2582648
Bis(2-chloroethyl)ether	ND	C3	0.340	1	08/21/2025 17:13	WG2582648
2,2-Oxybis(1-Chloropropane)	ND		0.340	1	08/21/2025 17:13	WG2582648
4-Bromophenyl-phenylether	ND		0.340	1	08/21/2025 17:13	WG2582648
2-Chloronaphthalene	ND		0.0340	1	08/21/2025 17:13	WG2582648
4-Chlorophenyl-phenylether	ND		0.340	1	08/21/2025 17:13	WG2582648
1,2-Dichlorobenzene	ND		0.340	1	08/21/2025 17:13	WG2582648
1,3-Dichlorobenzene	ND		0.340	1	08/21/2025 17:13	WG2582648
1,4-Dichlorobenzene	ND		0.340	1	08/21/2025 17:13	WG2582648
3,3-Dichlorobenzidine	ND		0.340	1	08/21/2025 17:13	WG2582648
2,4-Dinitrotoluene	ND		0.340	1	08/21/2025 17:13	WG2582648
2,6-Dinitrotoluene	ND		0.340	1	08/21/2025 17:13	WG2582648
Hexachlorobenzene	ND		0.340	1	08/21/2025 17:13	WG2582648
Hexachloro-1,3-butadiene	ND		0.340	1	08/21/2025 17:13	WG2582648
Hexachlorocyclopentadiene	ND	C3	0.340	1	08/21/2025 17:13	WG2582648
Hexachloroethane	ND		0.340	1	08/21/2025 17:13	WG2582648
Isophorone	ND		0.340	1	08/21/2025 17:13	WG2582648
Nitrobenzene	ND		0.340	1	08/21/2025 17:13	WG2582648
n-Nitrosodimethylamine	ND	C3	0.340	1	08/21/2025 17:13	WG2582648
n-Nitrosodiphenylamine	ND		0.340	1	08/21/2025 17:13	WG2582648
n-Nitrosodi-n-propylamine	ND		0.340	1	08/21/2025 17:13	WG2582648
Phenanthrene	ND		0.0340	1	08/21/2025 17:13	WG2582648
Benzylbutyl phthalate	ND		0.340	1	08/21/2025 17:13	WG2582648
Bis(2-ethylhexyl)phthalate	ND		0.340	1	08/21/2025 17:13	WG2582648
Di-n-butyl phthalate	ND		0.340	1	08/21/2025 17:13	WG2582648
Diethyl phthalate	ND		0.340	1	08/21/2025 17:13	WG2582648
Dimethyl phthalate	ND		0.340	1	08/21/2025 17:13	WG2582648
Di-n-octyl phthalate	ND		0.340	1	08/21/2025 17:13	WG2582648
1,2,4-Trichlorobenzene	ND		0.340	1	08/21/2025 17:13	WG2582648
4-Chloro-3-methylphenol	ND		0.340	1	08/21/2025 17:13	WG2582648
2-Chlorophenol	ND		0.340	1	08/21/2025 17:13	WG2582648
2,4-Dichlorophenol	ND		0.340	1	08/21/2025 17:13	WG2582648
2,4-Dimethylphenol	ND	C3	0.340	1	08/21/2025 17:13	WG2582648
4,6-Dinitro-2-methylphenol	ND		0.340	1	08/21/2025 17:13	WG2582648
2,4-Dinitrophenol	ND		0.340	1	08/21/2025 17:13	WG2582648
2-Nitrophenol	ND		0.340	1	08/21/2025 17:13	WG2582648
4-Nitrophenol	ND		0.340	1	08/21/2025 17:13	WG2582648
Pentachlorophenol	ND		0.340	1	08/21/2025 17:13	WG2582648
Phenol	ND		0.340	1	08/21/2025 17:13	WG2582648
2,4,6-Trichlorophenol	ND		0.340	1	08/21/2025 17:13	WG2582648
(S) 2-Fluorophenol	*57.7*		*12.0-120*		*08/21/2025 17:13*	WG2582648
(S) Phenol-d5	*53.3*		*10.0-120*		*08/21/2025 17:13*	WG2582648
(S) Nitrobenzene-d5	*46.6*		*10.0-122*		*08/21/2025 17:13*	WG2582648
(S) 2-Fluorobiphenyl	*56.2*		*15.0-120*		*08/21/2025 17:13*	WG2582648
(S) 2,4,6-Tribromophenol	*105*		*10.0-127*		*08/21/2025 17:13*	WG2582648
(S) p-Terphenyl-d14	*61.6*		*10.0-120*		*08/21/2025 17:13*	WG2582648

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		0.0337	1	08/21/2025 04:01	WG2583077
Acenaphthene	ND		0.0337	1	08/21/2025 04:01	WG2583077
Acenaphthylene	ND		0.0337	1	08/21/2025 04:01	WG2583077
Benzo(a)anthracene	ND		0.00613	1	08/21/2025 04:01	WG2583077
Benzo(a)pyrene	ND		0.0337	1	08/21/2025 04:01	WG2583077
Benzo(b)fluoranthene	ND		0.0337	1	08/21/2025 04:01	WG2583077
Benzo(g,h,i)perylene	ND		0.0337	1	08/21/2025 04:01	WG2583077
Benzo(k)fluoranthene	ND		0.0337	1	08/21/2025 04:01	WG2583077
Chrysene	ND		0.0337	1	08/21/2025 04:01	WG2583077
Dibenz(a,h)anthracene	ND		0.0337	1	08/21/2025 04:01	WG2583077
Fluoranthene	ND		0.0337	1	08/21/2025 04:01	WG2583077
Fluorene	ND		0.0337	1	08/21/2025 04:01	WG2583077
Indeno(1,2,3-cd)pyrene	ND		0.0337	1	08/21/2025 04:01	WG2583077
Naphthalene	ND		0.00306	1	08/21/2025 04:01	WG2583077
Phenanthrene	ND		0.0337	1	08/21/2025 04:01	WG2583077
Pyrene	ND		0.0337	1	08/21/2025 04:01	WG2583077
1-Methylnaphthalene	ND		0.00306	1	08/21/2025 04:01	WG2583077
2-Methylnaphthalene	ND		0.0123	1	08/21/2025 04:01	WG2583077
(S) p-Terphenyl-d14	*108*		*23.0-120*		*08/21/2025 04:01*	WG2583077
(S) Nitrobenzene-d5	*95.9*		*14.0-149*		*08/21/2025 04:01*	WG2583077
(S) 2-Fluorobiphenyl	*110*		*34.0-125*		*08/21/2025 04:01*	WG2583077

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	3.20		1	08/20/2025 07:55	WG2582953

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1380		103	1	08/21/2025 20:39	WG2581505

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	97.0		1	08/18/2025 13:45	WG2581749

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	08/19/2025 22:59	WG2581842

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	1270		103	5	08/21/2025 20:39	WG2584208

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	09/04/2025 21:43	WG2590692

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.03		1	08/20/2025 16:10	WG2583520

Sample Narrative:

L1889504-12 WG2583520: 7.03 at 21.6C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1480	umhos/cm		10.0	1	08/20/2025 20:15	WG2583523

Sample Narrative:

L1889504-12 WG2583523: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	111		103	5	08/17/2025 18:04	WG2581505

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	13400		500	5	08/20/2025 01:37	WG2581036

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	10800		20.6	1	08/20/2025 09:44	WG2582195
Antimony	ND		2.06	1	08/20/2025 09:44	WG2582195
Beryllium	0.626		0.206	1	08/20/2025 09:44	WG2582195
Calcium	8320		103	1	08/20/2025 09:44	WG2582195
Chromium	10.3		1.03	1	08/20/2025 09:44	WG2582195
Cobalt	4.67		1.03	1	08/20/2025 09:44	WG2582195
Iron	15400		10.3	1	08/20/2025 09:44	WG2582195
Magnesium	3050		103	1	08/20/2025 09:44	WG2582195
Manganese	257		1.03	1	08/20/2025 09:44	WG2582195
Potassium	2790		103	1	08/20/2025 09:44	WG2582195
Sodium	304		103	1	08/20/2025 09:44	WG2582195
Thallium	ND		2.06	1	08/20/2025 09:44	WG2582195
Vanadium	25.0		2.06	1	08/20/2025 09:44	WG2582195

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	0.140		0.100	1	08/20/2025 12:40	WG2582970

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	5.18		0.103	5	08/20/2025 12:53	WG2582170
Barium	95.9		10.3	5	08/20/2025 12:53	WG2582170
Cadmium	0.336		0.103	5	08/20/2025 12:53	WG2582170
Copper	11.2		10.3	5	08/20/2025 12:53	WG2582170
Lead	39.7		10.3	5	08/20/2025 12:53	WG2582170
Nickel	ND		10.3	5	08/20/2025 12:53	WG2582170
Selenium	0.467		0.103	5	08/20/2025 12:53	WG2582170
Silver	ND		0.515	5	08/20/2025 12:53	WG2582170
Zinc	78.6		51.5	5	08/20/2025 12:53	WG2582170

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		2.65	25	08/17/2025 10:07	WG2581370
(S) a,a,a-Trifluorotoluene(FID)	*101*		*77.0-120*		*08/17/2025 10:07*	WG2581370

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	J3	0.106	1	08/17/2025 08:00	WG2581339
Acrylonitrile	ND		0.0133	1	08/17/2025 08:00	WG2581339
Benzene	ND		0.00106	1	08/17/2025 08:00	WG2581339
Bromobenzene	ND		0.0133	1	08/17/2025 08:00	WG2581339
Bromodichloromethane	ND		0.00265	1	08/17/2025 08:00	WG2581339
Bromoform	ND		0.0265	1	08/17/2025 08:00	WG2581339
Bromomethane	ND		0.0133	1	08/17/2025 08:00	WG2581339
n-Butylbenzene	ND		0.0133	1	08/17/2025 08:00	WG2581339
sec-Butylbenzene	ND		0.0133	1	08/17/2025 08:00	WG2581339
tert-Butylbenzene	ND		0.00531	1	08/17/2025 08:00	WG2581339
Carbon tetrachloride	ND		0.00531	1	08/17/2025 08:00	WG2581339
Chlorobenzene	ND		0.00265	1	08/17/2025 08:00	WG2581339
Chlorodibromomethane	ND		0.00265	1	08/17/2025 08:00	WG2581339

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		0.0106	1	08/17/2025 08:00	WG2581339
Chloroform	ND		0.00265	1	08/17/2025 08:00	WG2581339
Chloromethane	ND		0.0133	1	08/17/2025 08:00	WG2581339
2-Chlorotoluene	ND		0.00265	1	08/17/2025 08:00	WG2581339
4-Chlorotoluene	ND		0.00531	1	08/17/2025 08:00	WG2581339
1,2-Dibromo-3-Chloropropane	ND	C3	0.0265	1	08/17/2025 08:00	WG2581339
1,2-Dibromoethane	ND		0.00265	1	08/17/2025 08:00	WG2581339
Dibromomethane	ND		0.00531	1	08/17/2025 08:00	WG2581339
1,2-Dichlorobenzene	ND		0.00531	1	08/17/2025 08:00	WG2581339
1,3-Dichlorobenzene	ND		0.00531	1	08/17/2025 08:00	WG2581339
1,4-Dichlorobenzene	ND		0.00531	1	08/17/2025 08:00	WG2581339
Dichlorodifluoromethane	ND	J3	0.00531	1	08/17/2025 08:00	WG2581339
1,1-Dichloroethane	ND		0.00265	1	08/17/2025 08:00	WG2581339
1,2-Dichloroethane	ND		0.00265	1	08/17/2025 08:00	WG2581339
1,1-Dichloroethene	ND		0.00265	1	08/17/2025 08:00	WG2581339
cis-1,2-Dichloroethene	ND		0.00265	1	08/17/2025 08:00	WG2581339
trans-1,2-Dichloroethene	ND		0.00531	1	08/17/2025 08:00	WG2581339
1,2-Dichloropropane	ND		0.00531	1	08/17/2025 08:00	WG2581339
1,1-Dichloropropene	ND	J3	0.00531	1	08/17/2025 08:00	WG2581339
1,3-Dichloropropane	ND		0.00531	1	08/17/2025 08:00	WG2581339
cis-1,3-Dichloropropene	ND		0.00265	1	08/17/2025 08:00	WG2581339
trans-1,3-Dichloropropene	ND		0.00531	1	08/17/2025 08:00	WG2581339
2,2-Dichloropropane	ND		0.00265	1	08/17/2025 08:00	WG2581339
Di-isopropyl ether	ND		0.00106	1	08/17/2025 08:00	WG2581339
Ethylbenzene	ND		0.00265	1	08/17/2025 08:00	WG2581339
Hexachloro-1,3-butadiene	ND		0.0265	1	08/17/2025 08:00	WG2581339
Isopropylbenzene	ND		0.00265	1	08/17/2025 08:00	WG2581339
p-Isopropyltoluene	ND		0.00531	1	08/17/2025 08:00	WG2581339
2-Butanone (MEK)	ND	C3	0.106	1	08/17/2025 08:00	WG2581339
Methylene Chloride	ND		0.0265	1	08/17/2025 08:00	WG2581339
4-Methyl-2-pentanone (MIBK)	ND		0.0265	1	08/17/2025 08:00	WG2581339
Methyl tert-butyl ether	ND		0.00106	1	08/17/2025 08:00	WG2581339
n-Propylbenzene	ND		0.00531	1	08/17/2025 08:00	WG2581339
Styrene	ND		0.0133	1	08/17/2025 08:00	WG2581339
1,1,1,2-Tetrachloroethane	ND		0.00265	1	08/17/2025 08:00	WG2581339
1,1,2,2-Tetrachloroethane	ND		0.00265	1	08/17/2025 08:00	WG2581339
1,1,2-Trichlorotrifluoroethane	ND		0.00531	1	08/17/2025 08:00	WG2581339
Tetrachloroethene	ND		0.00265	1	08/17/2025 08:00	WG2581339
Toluene	ND		0.00531	1	08/17/2025 08:00	WG2581339
1,2,3-Trichlorobenzene	ND	C3	0.0133	1	08/17/2025 08:00	WG2581339
1,2,4-Trichlorobenzene	ND		0.0133	1	08/17/2025 08:00	WG2581339
1,1,1-Trichloroethane	ND		0.00265	1	08/17/2025 08:00	WG2581339
1,1,2-Trichloroethane	ND		0.00265	1	08/17/2025 08:00	WG2581339
Trichloroethene	ND		0.00106	1	08/17/2025 08:00	WG2581339
Trichlorofluoromethane	ND		0.00425	1	08/17/2025 08:00	WG2581339
1,2,3-Trichloropropane	ND		0.0133	1	08/17/2025 08:00	WG2581339
1,2,3-Trimethylbenzene	ND		0.00531	1	08/17/2025 08:00	WG2581339
1,2,4-Trimethylbenzene	ND		0.00531	1	08/17/2025 08:00	WG2581339
1,3,5-Trimethylbenzene	ND		0.00531	1	08/17/2025 08:00	WG2581339
Vinyl chloride	ND		0.00265	1	08/17/2025 08:00	WG2581339
Xylenes, Total	ND		0.00690	1	08/17/2025 08:00	WG2581339
(S) Toluene-d8	*101*		*75.0-131*		*08/17/2025 08:00*	WG2581339
(S) 4-Bromofluorobenzene	*96.9*		*67.0-138*		*08/17/2025 08:00*	WG2581339
(S) 1,2-Dichloroethane-d4	*100*		*70.0-130*		*08/17/2025 08:00*	WG2581339

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	7.31		4.12	1	08/20/2025 19:34	WG2582616
C28-C36 Motor Oil Range	42.1		4.12	1	08/20/2025 19:34	WG2582616
(S) o-Terphenyl	*61.4*		*18.0-148*		*08/20/2025 19:34*	WG2582616

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	08/21/2025 17:36	WG2582648
Benzidine	ND	C3 C6 J4	1.72	1	08/21/2025 17:36	WG2582648
Benzo(g,h,i)perylene	ND		0.0343	1	08/21/2025 17:36	WG2582648
Bis(2-chlorethoxy)methane	ND		0.343	1	08/21/2025 17:36	WG2582648
Bis(2-chloroethyl)ether	ND	C3	0.343	1	08/21/2025 17:36	WG2582648
2,2-Oxybis(1-Chloropropane)	ND		0.343	1	08/21/2025 17:36	WG2582648
4-Bromophenyl-phenylether	ND		0.343	1	08/21/2025 17:36	WG2582648
2-Chloronaphthalene	ND		0.0343	1	08/21/2025 17:36	WG2582648
4-Chlorophenyl-phenylether	ND		0.343	1	08/21/2025 17:36	WG2582648
1,2-Dichlorobenzene	ND		0.343	1	08/21/2025 17:36	WG2582648
1,3-Dichlorobenzene	ND		0.343	1	08/21/2025 17:36	WG2582648
1,4-Dichlorobenzene	ND		0.343	1	08/21/2025 17:36	WG2582648
3,3-Dichlorobenzidine	ND		0.343	1	08/21/2025 17:36	WG2582648
2,4-Dinitrotoluene	ND		0.343	1	08/21/2025 17:36	WG2582648
2,6-Dinitrotoluene	ND		0.343	1	08/21/2025 17:36	WG2582648
Hexachlorobenzene	ND		0.343	1	08/21/2025 17:36	WG2582648
Hexachloro-1,3-butadiene	ND		0.343	1	08/21/2025 17:36	WG2582648
Hexachlorocyclopentadiene	ND	C3	0.343	1	08/21/2025 17:36	WG2582648
Hexachloroethane	ND		0.343	1	08/21/2025 17:36	WG2582648
Isophorone	ND		0.343	1	08/21/2025 17:36	WG2582648
Nitrobenzene	ND		0.343	1	08/21/2025 17:36	WG2582648
n-Nitrosodimethylamine	ND	C3	0.343	1	08/21/2025 17:36	WG2582648
n-Nitrosodiphenylamine	ND		0.343	1	08/21/2025 17:36	WG2582648
n-Nitrosodi-n-propylamine	ND		0.343	1	08/21/2025 17:36	WG2582648
Phenanthrene	ND		0.0343	1	08/21/2025 17:36	WG2582648
Benzylbutyl phthalate	ND		0.343	1	08/21/2025 17:36	WG2582648
Bis(2-ethylhexyl)phthalate	ND		0.343	1	08/21/2025 17:36	WG2582648
Di-n-butyl phthalate	ND		0.343	1	08/21/2025 17:36	WG2582648
Diethyl phthalate	ND		0.343	1	08/21/2025 17:36	WG2582648
Dimethyl phthalate	ND		0.343	1	08/21/2025 17:36	WG2582648
Di-n-octyl phthalate	ND		0.343	1	08/21/2025 17:36	WG2582648
1,2,4-Trichlorobenzene	ND		0.343	1	08/21/2025 17:36	WG2582648
4-Chloro-3-methylphenol	ND		0.343	1	08/21/2025 17:36	WG2582648
2-Chlorophenol	ND		0.343	1	08/21/2025 17:36	WG2582648
2,4-Dichlorophenol	ND		0.343	1	08/21/2025 17:36	WG2582648
2,4-Dimethylphenol	ND	C3	0.343	1	08/21/2025 17:36	WG2582648
4,6-Dinitro-2-methylphenol	ND		0.343	1	08/21/2025 17:36	WG2582648
2,4-Dinitrophenol	ND		0.343	1	08/21/2025 17:36	WG2582648
2-Nitrophenol	ND		0.343	1	08/21/2025 17:36	WG2582648
4-Nitrophenol	ND		0.343	1	08/21/2025 17:36	WG2582648
Pentachlorophenol	ND		0.343	1	08/21/2025 17:36	WG2582648
Phenol	ND		0.343	1	08/21/2025 17:36	WG2582648
2,4,6-Trichlorophenol	ND		0.343	1	08/21/2025 17:36	WG2582648
(S) 2-Fluorophenol	*62.2*		*12.0-120*		*08/21/2025 17:36*	WG2582648
(S) Phenol-d5	*57.4*		*10.0-120*		*08/21/2025 17:36*	WG2582648
(S) Nitrobenzene-d5	*48.9*		*10.0-122*		*08/21/2025 17:36*	WG2582648
(S) 2-Fluorobiphenyl	*58.5*		*15.0-120*		*08/21/2025 17:36*	WG2582648
(S) 2,4,6-Tribromophenol	*109*		*10.0-127*		*08/21/2025 17:36*	WG2582648
(S) p-Terphenyl-d14	*65.5*		*10.0-120*		*08/21/2025 17:36*	WG2582648

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	08/21/2025 04:19	WG2583077
Acenaphthene	ND		0.0340	1	08/21/2025 04:19	WG2583077
Acenaphthylene	ND		0.0340	1	08/21/2025 04:19	WG2583077
Benzo(a)anthracene	0.00720		0.00619	1	08/21/2025 04:19	WG2583077
Benzo(a)pyrene	ND		0.0340	1	08/21/2025 04:19	WG2583077
Benzo(b)fluoranthene	ND		0.0340	1	08/21/2025 04:19	WG2583077
Benzo(g,h,i)perylene	ND		0.0340	1	08/21/2025 04:19	WG2583077
Benzo(k)fluoranthene	ND		0.0340	1	08/21/2025 04:19	WG2583077
Chrysene	ND		0.0340	1	08/21/2025 04:19	WG2583077
Dibenz(a,h)anthracene	ND		0.0340	1	08/21/2025 04:19	WG2583077
Fluoranthene	ND		0.0340	1	08/21/2025 04:19	WG2583077
Fluorene	ND		0.0340	1	08/21/2025 04:19	WG2583077
Indeno(1,2,3-cd)pyrene	ND		0.0340	1	08/21/2025 04:19	WG2583077
Naphthalene	ND		0.00309	1	08/21/2025 04:19	WG2583077
Phenanthrene	ND		0.0340	1	08/21/2025 04:19	WG2583077
Pyrene	ND		0.0340	1	08/21/2025 04:19	WG2583077
1-Methylnaphthalene	ND		0.00309	1	08/21/2025 04:19	WG2583077
2-Methylnaphthalene	ND		0.0124	1	08/21/2025 04:19	WG2583077
(S) p-Terphenyl-d14	*103*		*23.0-120*		*08/21/2025 04:19*	WG2583077
(S) Nitrobenzene-d5	*91.2*		*14.0-149*		*08/21/2025 04:19*	WG2583077
(S) 2-Fluorobiphenyl	*105*		*34.0-125*		*08/21/2025 04:19*	WG2583077

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	08/17/2025 14:14	WG2581507
Acrolein	ND		0.0500	1	08/17/2025 14:14	WG2581507
Acrylonitrile	ND		0.0100	1	08/17/2025 14:14	WG2581507
Benzene	ND		0.00100	1	08/17/2025 14:14	WG2581507
Bromobenzene	ND		0.00100	1	08/17/2025 14:14	WG2581507
Bromodichloromethane	ND		0.00100	1	08/17/2025 14:14	WG2581507
Bromoform	ND		0.00100	1	08/17/2025 14:14	WG2581507
Bromomethane	ND	C3	0.00500	1	08/17/2025 14:14	WG2581507
n-Butylbenzene	ND		0.00100	1	08/17/2025 14:14	WG2581507
sec-Butylbenzene	ND		0.00100	1	08/17/2025 14:14	WG2581507
tert-Butylbenzene	ND		0.00100	1	08/17/2025 14:14	WG2581507
Carbon tetrachloride	ND		0.00100	1	08/17/2025 14:14	WG2581507
Chlorobenzene	ND		0.00100	1	08/17/2025 14:14	WG2581507
Chlorodibromomethane	ND		0.00100	1	08/17/2025 14:14	WG2581507
Chloroethane	ND		0.00500	1	08/17/2025 14:14	WG2581507
Chloroform	ND		0.00500	1	08/17/2025 14:14	WG2581507
Chloromethane	ND	C3	0.00500	1	08/17/2025 14:14	WG2581507
2-Chlorotoluene	ND		0.00100	1	08/17/2025 14:14	WG2581507
4-Chlorotoluene	ND		0.00100	1	08/17/2025 14:14	WG2581507
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	08/20/2025 15:47	WG2583097
1,2-Dibromoethane	ND		0.00100	1	08/17/2025 14:14	WG2581507
Dibromomethane	ND		0.00100	1	08/17/2025 14:14	WG2581507
1,2-Dichlorobenzene	ND		0.00100	1	08/17/2025 14:14	WG2581507
1,3-Dichlorobenzene	ND		0.00100	1	08/17/2025 14:14	WG2581507
1,4-Dichlorobenzene	ND		0.00100	1	08/17/2025 14:14	WG2581507
Dichlorodifluoromethane	ND	C3	0.00500	1	08/17/2025 14:14	WG2581507
1,1-Dichloroethane	ND		0.00100	1	08/17/2025 14:14	WG2581507
1,2-Dichloroethane	ND		0.00100	1	08/17/2025 14:14	WG2581507
1,1-Dichloroethene	ND		0.00100	1	08/17/2025 14:14	WG2581507
cis-1,2-Dichloroethene	ND		0.00100	1	08/17/2025 14:14	WG2581507
trans-1,2-Dichloroethene	ND		0.00100	1	08/17/2025 14:14	WG2581507
1,2-Dichloropropane	ND		0.00100	1	08/17/2025 14:14	WG2581507
1,1-Dichloropropene	ND		0.00100	1	08/17/2025 14:14	WG2581507
1,3-Dichloropropane	ND		0.00100	1	08/17/2025 14:14	WG2581507
cis-1,3-Dichloropropene	ND		0.00100	1	08/17/2025 14:14	WG2581507
trans-1,3-Dichloropropene	ND		0.00100	1	08/17/2025 14:14	WG2581507
2,2-Dichloropropane	ND		0.00100	1	08/17/2025 14:14	WG2581507
Di-isopropyl ether	ND		0.00100	1	08/17/2025 14:14	WG2581507
Ethylbenzene	ND		0.00100	1	08/17/2025 14:14	WG2581507
Hexachloro-1,3-butadiene	ND		0.00200	1	08/20/2025 15:47	WG2583097
Isopropylbenzene	ND		0.00100	1	08/17/2025 14:14	WG2581507
p-Isopropyltoluene	ND		0.00100	1	08/17/2025 14:14	WG2581507
2-Butanone (MEK)	ND		0.0200	1	08/17/2025 14:14	WG2581507
Methylene Chloride	ND		0.00500	1	08/17/2025 14:14	WG2581507
4-Methyl-2-pentanone (MIBK)	ND	C3	0.0200	1	08/17/2025 14:14	WG2581507
Methyl tert-butyl ether	ND		0.00100	1	08/17/2025 14:14	WG2581507
Naphthalene	ND	C3	0.00500	1	08/17/2025 14:14	WG2581507
n-Propylbenzene	ND		0.00100	1	08/17/2025 14:14	WG2581507
Styrene	ND		0.00100	1	08/17/2025 14:14	WG2581507
1,1,1,2-Tetrachloroethane	ND		0.00100	1	08/17/2025 14:14	WG2581507
1,1,2,2-Tetrachloroethane	ND	C3	0.00100	1	08/17/2025 14:14	WG2581507
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	08/17/2025 14:14	WG2581507
Tetrachloroethene	ND		0.00100	1	08/17/2025 14:14	WG2581507
Toluene	ND		0.00100	1	08/17/2025 14:14	WG2581507
1,2,3-Trichlorobenzene	ND	C3	0.00100	1	08/17/2025 14:14	WG2581507
1,2,4-Trichlorobenzene	ND	C3	0.00200	1	08/17/2025 14:14	WG2581507

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	08/17/2025 14:14	WG2581507
1,1,2-Trichloroethane	ND		0.00100	1	08/17/2025 14:14	WG2581507
Trichloroethene	ND		0.00100	1	08/17/2025 14:14	WG2581507
Trichlorofluoromethane	ND	C3	0.00500	1	08/17/2025 14:14	WG2581507
1,2,3-Trichloropropane	ND		0.00250	1	08/17/2025 14:14	WG2581507
1,2,4-Trimethylbenzene	ND		0.00200	1	08/17/2025 14:14	WG2581507
1,2,3-Trimethylbenzene	ND		0.00100	1	08/17/2025 14:14	WG2581507
1,3,5-Trimethylbenzene	ND		0.00100	1	08/17/2025 14:14	WG2581507
Vinyl chloride	ND		0.00100	1	08/17/2025 14:14	WG2581507
Xylenes, Total	ND		0.00300	1	08/17/2025 14:14	WG2581507
(S) Toluene-d8	*95.6*		*80.0-120*		*08/17/2025 14:14*	WG2581507
(S) Toluene-d8	*91.8*		*80.0-120*		*08/20/2025 15:47*	WG2583097
(S) 4-Bromofluorobenzene	*99.9*		*77.0-126*		*08/17/2025 14:14*	WG2581507
(S) 4-Bromofluorobenzene	*91.6*		*77.0-126*		*08/20/2025 15:47*	WG2583097
(S) 1,2-Dichloroethane-d4	*94.4*		*70.0-130*		*08/17/2025 14:14*	WG2581507
(S) 1,2-Dichloroethane-d4	*107*		*70.0-130*		*08/20/2025 15:47*	WG2583097

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.412		1	08/20/2025 07:58	WG2582953

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	386		20.8	1	08/21/2025 20:40	WG2581505

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	96.3		1	08/18/2025 13:45	WG2581749

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		10.4	1	08/19/2025 23:00	WG2581842

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	360		20.8	1	08/21/2025 20:40	WG2584208

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	09/04/2025 21:52	WG2590692

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.65		1	08/20/2025 16:10	WG2583520

Sample Narrative:

L1889504-14 WG2583520: 7.65 at 21.5C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	645	umhos/cm		10.0	1	08/20/2025 20:15	WG2583523

Sample Narrative:

L1889504-14 WG2583523: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	26.4		20.8	1	08/17/2025 18:45	WG2581505

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	3910		500	5	08/21/2025 14:22	WG2581621

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	8460		20.8	1	08/19/2025 15:03	WG2582202
Antimony	ND		2.08	1	08/19/2025 15:03	WG2582202
Beryllium	0.445		0.208	1	08/19/2025 15:03	WG2582202
Calcium	1720		104	1	08/19/2025 15:03	WG2582202
Chromium	8.51		1.04	1	08/19/2025 15:03	WG2582202
Cobalt	3.45		1.04	1	08/19/2025 15:03	WG2582202
Iron	12000		10.4	1	08/19/2025 15:03	WG2582202
Magnesium	1720		104	1	08/19/2025 15:03	WG2582202
Manganese	258		1.04	1	08/19/2025 15:03	WG2582202
Potassium	2010		104	1	08/19/2025 15:03	WG2582202
Sodium	ND		104	1	08/19/2025 15:03	WG2582202
Thallium	ND		2.08	1	08/19/2025 15:03	WG2582202
Vanadium	19.4		2.08	1	08/19/2025 15:03	WG2582202

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	ND		0.100	1	08/20/2025 12:43	WG2582970

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.99		0.104	5	08/19/2025 16:42	WG2582163
Barium	68.3		10.4	5	08/19/2025 16:42	WG2582163
Cadmium	0.241		0.104	5	08/19/2025 16:42	WG2582163
Copper	ND		10.4	5	08/19/2025 16:42	WG2582163
Lead	12.9		10.4	5	08/19/2025 16:42	WG2582163
Nickel	ND		10.4	5	08/19/2025 16:42	WG2582163
Selenium	0.491		0.104	5	08/19/2025 16:42	WG2582163
Silver	ND		0.519	5	08/19/2025 16:42	WG2582163
Zinc	ND		51.9	5	08/19/2025 16:42	WG2582163

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	08/17/2025 10:34	WG2581370
(S) a,a,a-Trifluorotoluene(FID)	*101*		*77.0-120*		*08/17/2025 10:34*	WG2581370

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	J3	0.108	1	08/17/2025 07:39	WG2581339
Acrylonitrile	ND		0.0135	1	08/17/2025 07:39	WG2581339
Benzene	ND		0.00108	1	08/17/2025 07:39	WG2581339
Bromobenzene	ND		0.0135	1	08/17/2025 07:39	WG2581339
Bromodichloromethane	ND		0.00269	1	08/17/2025 07:39	WG2581339
Bromoform	ND		0.0269	1	08/17/2025 07:39	WG2581339
Bromomethane	ND		0.0135	1	08/17/2025 07:39	WG2581339
n-Butylbenzene	ND		0.0135	1	08/17/2025 07:39	WG2581339
sec-Butylbenzene	ND		0.0135	1	08/17/2025 07:39	WG2581339
tert-Butylbenzene	ND		0.00539	1	08/17/2025 07:39	WG2581339
Carbon tetrachloride	ND		0.00539	1	08/17/2025 07:39	WG2581339
Chlorobenzene	ND		0.00269	1	08/17/2025 07:39	WG2581339
Chlorodibromomethane	ND		0.00269	1	08/17/2025 07:39	WG2581339

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		0.0108	1	08/17/2025 07:39	WG2581339
Chloroform	ND		0.00269	1	08/17/2025 07:39	WG2581339
Chloromethane	ND		0.0135	1	08/17/2025 07:39	WG2581339
2-Chlorotoluene	ND		0.00269	1	08/17/2025 07:39	WG2581339
4-Chlorotoluene	ND		0.00539	1	08/17/2025 07:39	WG2581339
1,2-Dibromo-3-Chloropropane	ND	C3	0.0269	1	08/17/2025 07:39	WG2581339
1,2-Dibromoethane	ND		0.00269	1	08/17/2025 07:39	WG2581339
Dibromomethane	ND		0.00539	1	08/17/2025 07:39	WG2581339
1,2-Dichlorobenzene	ND		0.00539	1	08/17/2025 07:39	WG2581339
1,3-Dichlorobenzene	ND		0.00539	1	08/17/2025 07:39	WG2581339
1,4-Dichlorobenzene	ND		0.00539	1	08/17/2025 07:39	WG2581339
Dichlorodifluoromethane	ND	J3	0.00539	1	08/17/2025 07:39	WG2581339
1,1-Dichloroethane	ND		0.00269	1	08/17/2025 07:39	WG2581339
1,2-Dichloroethane	ND		0.00269	1	08/17/2025 07:39	WG2581339
1,1-Dichloroethene	ND		0.00269	1	08/17/2025 07:39	WG2581339
cis-1,2-Dichloroethene	ND		0.00269	1	08/17/2025 07:39	WG2581339
trans-1,2-Dichloroethene	ND		0.00539	1	08/17/2025 07:39	WG2581339
1,2-Dichloropropane	ND		0.00539	1	08/17/2025 07:39	WG2581339
1,1-Dichloropropene	ND	J3	0.00539	1	08/17/2025 07:39	WG2581339
1,3-Dichloropropane	ND		0.00539	1	08/17/2025 07:39	WG2581339
cis-1,3-Dichloropropene	ND		0.00269	1	08/17/2025 07:39	WG2581339
trans-1,3-Dichloropropene	ND		0.00539	1	08/17/2025 07:39	WG2581339
2,2-Dichloropropane	ND		0.00269	1	08/17/2025 07:39	WG2581339
Di-isopropyl ether	ND		0.00108	1	08/17/2025 07:39	WG2581339
Ethylbenzene	ND		0.00269	1	08/17/2025 07:39	WG2581339
Hexachloro-1,3-butadiene	ND		0.0269	1	08/17/2025 07:39	WG2581339
Isopropylbenzene	ND		0.00269	1	08/17/2025 07:39	WG2581339
p-Isopropyltoluene	ND		0.00539	1	08/17/2025 07:39	WG2581339
2-Butanone (MEK)	ND	C3	0.108	1	08/17/2025 07:39	WG2581339
Methylene Chloride	ND		0.0269	1	08/17/2025 07:39	WG2581339
4-Methyl-2-pentanone (MIBK)	ND		0.0269	1	08/17/2025 07:39	WG2581339
Methyl tert-butyl ether	ND		0.00108	1	08/17/2025 07:39	WG2581339
n-Propylbenzene	ND		0.00539	1	08/17/2025 07:39	WG2581339
Styrene	ND		0.0135	1	08/17/2025 07:39	WG2581339
1,1,1,2-Tetrachloroethane	ND		0.00269	1	08/17/2025 07:39	WG2581339
1,1,2,2-Tetrachloroethane	ND		0.00269	1	08/17/2025 07:39	WG2581339
1,1,2-Trichlorotrifluoroethane	ND		0.00539	1	08/17/2025 07:39	WG2581339
Tetrachloroethene	ND		0.00269	1	08/17/2025 07:39	WG2581339
Toluene	ND		0.00539	1	08/17/2025 07:39	WG2581339
1,2,3-Trichlorobenzene	ND	C3	0.0135	1	08/17/2025 07:39	WG2581339
1,2,4-Trichlorobenzene	ND		0.0135	1	08/17/2025 07:39	WG2581339
1,1,1-Trichloroethane	ND		0.00269	1	08/17/2025 07:39	WG2581339
1,1,2-Trichloroethane	ND		0.00269	1	08/17/2025 07:39	WG2581339
Trichloroethene	ND		0.00108	1	08/17/2025 07:39	WG2581339
Trichlorofluoromethane	ND		0.00431	1	08/17/2025 07:39	WG2581339
1,2,3-Trichloropropane	ND		0.0135	1	08/17/2025 07:39	WG2581339
1,2,3-Trimethylbenzene	ND		0.00539	1	08/17/2025 07:39	WG2581339
1,2,4-Trimethylbenzene	ND		0.00539	1	08/17/2025 07:39	WG2581339
1,3,5-Trimethylbenzene	ND		0.00539	1	08/17/2025 07:39	WG2581339
Vinyl chloride	ND		0.00269	1	08/17/2025 07:39	WG2581339
Xylenes, Total	ND		0.00700	1	08/17/2025 07:39	WG2581339
(S) Toluene-d8	*99.9*		*75.0-131*		*08/17/2025 07:39*	WG2581339
(S) 4-Bromofluorobenzene	*97.1*		*67.0-138*		*08/17/2025 07:39*	WG2581339
(S) 1,2-Dichloroethane-d4	*99.5*		*70.0-130*		*08/17/2025 07:39*	WG2581339

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		4.15	1	08/20/2025 19:48	WG2582616
C28-C36 Motor Oil Range	12.8		4.15	1	08/20/2025 19:48	WG2582616
(S) o-Terphenyl	*67.7*		*18.0-148*		*08/20/2025 19:48*	WG2582616

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	08/21/2025 17:59	WG2582648
Benzidine	ND	C3 C6 J4	1.73	1	08/21/2025 17:59	WG2582648
Benzo(g,h,i)perylene	ND		0.0346	1	08/21/2025 17:59	WG2582648
Bis(2-chlorethoxy)methane	ND		0.346	1	08/21/2025 17:59	WG2582648
Bis(2-chloroethyl)ether	ND	C3	0.346	1	08/21/2025 17:59	WG2582648
2,2-Oxybis(1-Chloropropane)	ND		0.346	1	08/21/2025 17:59	WG2582648
4-Bromophenyl-phenylether	ND		0.346	1	08/21/2025 17:59	WG2582648
2-Chloronaphthalene	ND		0.0346	1	08/21/2025 17:59	WG2582648
4-Chlorophenyl-phenylether	ND		0.346	1	08/21/2025 17:59	WG2582648
1,2-Dichlorobenzene	ND		0.346	1	08/21/2025 17:59	WG2582648
1,3-Dichlorobenzene	ND		0.346	1	08/21/2025 17:59	WG2582648
1,4-Dichlorobenzene	ND		0.346	1	08/21/2025 17:59	WG2582648
3,3-Dichlorobenzidine	ND		0.346	1	08/21/2025 17:59	WG2582648
2,4-Dinitrotoluene	ND		0.346	1	08/21/2025 17:59	WG2582648
2,6-Dinitrotoluene	ND		0.346	1	08/21/2025 17:59	WG2582648
Hexachlorobenzene	ND		0.346	1	08/21/2025 17:59	WG2582648
Hexachloro-1,3-butadiene	ND		0.346	1	08/21/2025 17:59	WG2582648
Hexachlorocyclopentadiene	ND	C3	0.346	1	08/21/2025 17:59	WG2582648
Hexachloroethane	ND		0.346	1	08/21/2025 17:59	WG2582648
Isophorone	ND		0.346	1	08/21/2025 17:59	WG2582648
Nitrobenzene	ND		0.346	1	08/21/2025 17:59	WG2582648
n-Nitrosodimethylamine	ND	C3	0.346	1	08/21/2025 17:59	WG2582648
n-Nitrosodiphenylamine	ND		0.346	1	08/21/2025 17:59	WG2582648
n-Nitrosodi-n-propylamine	ND		0.346	1	08/21/2025 17:59	WG2582648
Phenanthrene	ND		0.0346	1	08/21/2025 17:59	WG2582648
Benzylbutyl phthalate	ND		0.346	1	08/21/2025 17:59	WG2582648
Bis(2-ethylhexyl)phthalate	ND		0.346	1	08/21/2025 17:59	WG2582648
Di-n-butyl phthalate	ND		0.346	1	08/21/2025 17:59	WG2582648
Diethyl phthalate	ND		0.346	1	08/21/2025 17:59	WG2582648
Dimethyl phthalate	ND		0.346	1	08/21/2025 17:59	WG2582648
Di-n-octyl phthalate	ND		0.346	1	08/21/2025 17:59	WG2582648
1,2,4-Trichlorobenzene	ND		0.346	1	08/21/2025 17:59	WG2582648
4-Chloro-3-methylphenol	ND		0.346	1	08/21/2025 17:59	WG2582648
2-Chlorophenol	ND		0.346	1	08/21/2025 17:59	WG2582648
2,4-Dichlorophenol	ND		0.346	1	08/21/2025 17:59	WG2582648
2,4-Dimethylphenol	ND	C3	0.346	1	08/21/2025 17:59	WG2582648
4,6-Dinitro-2-methylphenol	ND		0.346	1	08/21/2025 17:59	WG2582648
2,4-Dinitrophenol	ND		0.346	1	08/21/2025 17:59	WG2582648
2-Nitrophenol	ND		0.346	1	08/21/2025 17:59	WG2582648
4-Nitrophenol	ND		0.346	1	08/21/2025 17:59	WG2582648
Pentachlorophenol	ND		0.346	1	08/21/2025 17:59	WG2582648
Phenol	ND		0.346	1	08/21/2025 17:59	WG2582648
2,4,6-Trichlorophenol	ND		0.346	1	08/21/2025 17:59	WG2582648
(S) 2-Fluorophenol	*60.3*		*12.0-120*		*08/21/2025 17:59*	WG2582648
(S) Phenol-d5	*55.5*		*10.0-120*		*08/21/2025 17:59*	WG2582648
(S) Nitrobenzene-d5	*46.1*		*10.0-122*		*08/21/2025 17:59*	WG2582648
(S) 2-Fluorobiphenyl	*55.5*		*15.0-120*		*08/21/2025 17:59*	WG2582648
(S) 2,4,6-Tribromophenol	*102*		*10.0-127*		*08/21/2025 17:59*	WG2582648
(S) p-Terphenyl-d14	*62.1*		*10.0-120*		*08/21/2025 17:59*	WG2582648

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0343	1	08/21/2025 04:37	WG2583077
Acenaphthene	ND		0.0343	1	08/21/2025 04:37	WG2583077
Acenaphthylene	ND		0.0343	1	08/21/2025 04:37	WG2583077
Benzo(a)anthracene	ND		0.00623	1	08/21/2025 04:37	WG2583077
Benzo(a)pyrene	ND		0.0343	1	08/21/2025 04:37	WG2583077
Benzo(b)fluoranthene	ND		0.0343	1	08/21/2025 04:37	WG2583077
Benzo(g,h,i)perylene	ND		0.0343	1	08/21/2025 04:37	WG2583077
Benzo(k)fluoranthene	ND		0.0343	1	08/21/2025 04:37	WG2583077
Chrysene	ND		0.0343	1	08/21/2025 04:37	WG2583077
Dibenz(a,h)anthracene	ND		0.0343	1	08/21/2025 04:37	WG2583077
Fluoranthene	ND		0.0343	1	08/21/2025 04:37	WG2583077
Fluorene	ND		0.0343	1	08/21/2025 04:37	WG2583077
Indeno(1,2,3-cd)pyrene	ND		0.0343	1	08/21/2025 04:37	WG2583077
Naphthalene	ND		0.00312	1	08/21/2025 04:37	WG2583077
Phenanthrene	ND		0.0343	1	08/21/2025 04:37	WG2583077
Pyrene	ND		0.0343	1	08/21/2025 04:37	WG2583077
1-Methylnaphthalene	ND		0.00312	1	08/21/2025 04:37	WG2583077
2-Methylnaphthalene	ND		0.0125	1	08/21/2025 04:37	WG2583077
(S) p-Terphenyl-d14	*107*		*23.0-120*		*08/21/2025 04:37*	WG2583077
(S) Nitrobenzene-d5	*93.9*		*14.0-149*		*08/21/2025 04:37*	WG2583077
(S) 2-Fluorobiphenyl	*105*		*34.0-125*		*08/21/2025 04:37*	WG2583077

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.32		1	08/20/2025 08:01	WG2582953

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	408		22.0	1	08/21/2025 20:46	WG2581505

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.8		1	08/18/2025 13:45	WG2581749

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		10.9	1	08/19/2025 23:03	WG2581842

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	372		109	5	08/21/2025 20:46	WG2584208

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.532		0.218	1	09/04/2025 22:01	WG2590692

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.81		1	08/20/2025 16:10	WG2583520

Sample Narrative:

L1889504-15 WG2583520: 7.81 at 21.7C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	770	umhos/cm		10.0	1	08/20/2025 20:15	WG2583523

Sample Narrative:

L1889504-15 WG2583523: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	36.5		22.0	1.01	08/17/2025 18:58	WG2581505

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	6540		500	5	08/21/2025 23:25	WG2582717

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	9710		21.8	1	08/19/2025 15:05	WG2582202
Antimony	ND		2.18	1	08/19/2025 15:05	WG2582202
Beryllium	0.523		0.218	1	08/19/2025 15:05	WG2582202
Calcium	3760		109	1	08/19/2025 15:05	WG2582202
Chromium	9.83		1.09	1	08/19/2025 15:05	WG2582202
Cobalt	3.28		1.09	1	08/19/2025 15:05	WG2582202
Iron	11700		10.9	1	08/19/2025 15:05	WG2582202
Magnesium	2240		109	1	08/19/2025 15:05	WG2582202
Manganese	219		1.09	1	08/19/2025 15:05	WG2582202
Potassium	2260		109	1	08/19/2025 15:05	WG2582202
Sodium	112		109	1	08/19/2025 15:05	WG2582202
Thallium	ND		2.18	1	08/19/2025 15:05	WG2582202
Vanadium	20.4		2.18	1	08/19/2025 15:05	WG2582202

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	0.130		0.100	1	08/20/2025 12:46	WG2582970

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	5.44		0.109	5	08/19/2025 16:45	WG2582163
Barium	90.3		10.9	5	08/19/2025 16:45	WG2582163
Cadmium	0.788		0.109	5	08/19/2025 16:45	WG2582163
Copper	11.3		10.9	5	08/19/2025 16:45	WG2582163
Lead	36.8		10.9	5	08/19/2025 16:45	WG2582163
Nickel	ND		10.9	5	08/19/2025 16:45	WG2582163
Selenium	1.60		0.109	5	08/19/2025 16:45	WG2582163
Silver	ND		0.545	5	08/19/2025 16:45	WG2582163
Zinc	89.7		54.5	5	08/19/2025 16:45	WG2582163

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		2.95	25	08/17/2025 11:15	WG2581370
(S) a,a,a-Trifluorotoluene(FID)	*101*		*77.0-120*		*08/17/2025 11:15*	WG2581370

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	J3	0.118	1	08/17/2025 07:19	WG2581339
Acrylonitrile	ND		0.0147	1	08/17/2025 07:19	WG2581339
Benzene	ND		0.00118	1	08/17/2025 07:19	WG2581339
Bromobenzene	ND		0.0147	1	08/17/2025 07:19	WG2581339
Bromodichloromethane	ND		0.00295	1	08/17/2025 07:19	WG2581339
Bromoform	ND		0.0295	1	08/17/2025 07:19	WG2581339
Bromomethane	ND		0.0147	1	08/17/2025 07:19	WG2581339
n-Butylbenzene	ND		0.0147	1	08/17/2025 07:19	WG2581339
sec-Butylbenzene	ND		0.0147	1	08/17/2025 07:19	WG2581339
tert-Butylbenzene	ND		0.00590	1	08/17/2025 07:19	WG2581339
Carbon tetrachloride	ND		0.00590	1	08/17/2025 07:19	WG2581339
Chlorobenzene	ND		0.00295	1	08/17/2025 07:19	WG2581339
Chlorodibromomethane	ND		0.00295	1	08/17/2025 07:19	WG2581339

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		0.0118	1	08/17/2025 07:19	WG2581339
Chloroform	ND		0.00295	1	08/17/2025 07:19	WG2581339
Chloromethane	ND		0.0147	1	08/17/2025 07:19	WG2581339
2-Chlorotoluene	ND		0.00295	1	08/17/2025 07:19	WG2581339
4-Chlorotoluene	ND		0.00590	1	08/17/2025 07:19	WG2581339
1,2-Dibromo-3-Chloropropane	ND	C3	0.0295	1	08/17/2025 07:19	WG2581339
1,2-Dibromoethane	ND		0.00295	1	08/17/2025 07:19	WG2581339
Dibromomethane	ND		0.00590	1	08/17/2025 07:19	WG2581339
1,2-Dichlorobenzene	ND		0.00590	1	08/17/2025 07:19	WG2581339
1,3-Dichlorobenzene	ND		0.00590	1	08/17/2025 07:19	WG2581339
1,4-Dichlorobenzene	ND		0.00590	1	08/17/2025 07:19	WG2581339
Dichlorodifluoromethane	ND	J3	0.00590	1	08/17/2025 07:19	WG2581339
1,1-Dichloroethane	ND		0.00295	1	08/17/2025 07:19	WG2581339
1,2-Dichloroethane	ND		0.00295	1	08/17/2025 07:19	WG2581339
1,1-Dichloroethene	ND		0.00295	1	08/17/2025 07:19	WG2581339
cis-1,2-Dichloroethene	ND		0.00295	1	08/17/2025 07:19	WG2581339
trans-1,2-Dichloroethene	ND		0.00590	1	08/17/2025 07:19	WG2581339
1,2-Dichloropropane	ND		0.00590	1	08/17/2025 07:19	WG2581339
1,1-Dichloropropene	ND	J3	0.00590	1	08/17/2025 07:19	WG2581339
1,3-Dichloropropane	ND		0.00590	1	08/17/2025 07:19	WG2581339
cis-1,3-Dichloropropene	ND		0.00295	1	08/17/2025 07:19	WG2581339
trans-1,3-Dichloropropene	ND		0.00590	1	08/17/2025 07:19	WG2581339
2,2-Dichloropropane	ND		0.00295	1	08/17/2025 07:19	WG2581339
Di-isopropyl ether	ND		0.00118	1	08/17/2025 07:19	WG2581339
Ethylbenzene	ND		0.00295	1	08/17/2025 07:19	WG2581339
Hexachloro-1,3-butadiene	ND		0.0295	1	08/17/2025 07:19	WG2581339
Isopropylbenzene	ND		0.00295	1	08/17/2025 07:19	WG2581339
p-Isopropyltoluene	ND		0.00590	1	08/17/2025 07:19	WG2581339
2-Butanone (MEK)	ND	C3	0.118	1	08/17/2025 07:19	WG2581339
Methylene Chloride	ND		0.0295	1	08/17/2025 07:19	WG2581339
4-Methyl-2-pentanone (MIBK)	ND		0.0295	1	08/17/2025 07:19	WG2581339
Methyl tert-butyl ether	ND		0.00118	1	08/17/2025 07:19	WG2581339
n-Propylbenzene	ND		0.00590	1	08/17/2025 07:19	WG2581339
Styrene	ND		0.0147	1	08/17/2025 07:19	WG2581339
1,1,1,2-Tetrachloroethane	ND		0.00295	1	08/17/2025 07:19	WG2581339
1,1,2,2-Tetrachloroethane	ND		0.00295	1	08/17/2025 07:19	WG2581339
1,1,2-Trichlorotrifluoroethane	ND		0.00590	1	08/17/2025 07:19	WG2581339
Tetrachloroethene	ND		0.00295	1	08/17/2025 07:19	WG2581339
Toluene	ND		0.00590	1	08/17/2025 07:19	WG2581339
1,2,3-Trichlorobenzene	ND	C3	0.0147	1	08/17/2025 07:19	WG2581339
1,2,4-Trichlorobenzene	ND		0.0147	1	08/17/2025 07:19	WG2581339
1,1,1-Trichloroethane	ND		0.00295	1	08/17/2025 07:19	WG2581339
1,1,2-Trichloroethane	ND		0.00295	1	08/17/2025 07:19	WG2581339
Trichloroethene	ND		0.00118	1	08/17/2025 07:19	WG2581339
Trichlorofluoromethane	ND		0.00472	1	08/17/2025 07:19	WG2581339
1,2,3-Trichloropropane	ND		0.0147	1	08/17/2025 07:19	WG2581339
1,2,3-Trimethylbenzene	ND		0.00590	1	08/17/2025 07:19	WG2581339
1,2,4-Trimethylbenzene	ND		0.00590	1	08/17/2025 07:19	WG2581339
1,3,5-Trimethylbenzene	ND		0.00590	1	08/17/2025 07:19	WG2581339
Vinyl chloride	ND		0.00295	1	08/17/2025 07:19	WG2581339
Xylenes, Total	ND		0.00767	1	08/17/2025 07:19	WG2581339
(S) Toluene-d8	*99.7*		*75.0-131*		*08/17/2025 07:19*	WG2581339
(S) 4-Bromofluorobenzene	*98.5*		*67.0-138*		*08/17/2025 07:19*	WG2581339
(S) 1,2-Dichloroethane-d4	*97.4*		*70.0-130*		*08/17/2025 07:19*	WG2581339

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		21.8	5	08/20/2025 21:12	WG2582616
C28-C36 Motor Oil Range	42.8	B	21.8	5	08/20/2025 21:12	WG2582616
(S) o-Terphenyl	*69.6*		*18.0-148*		*08/20/2025 21:12*	WG2582616

Sample Narrative:

L1889504-15 WG2582616: 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		0.0363	1	08/21/2025 18:23	WG2582648
Benzidine	ND	C3 C6 J4	1.82	1	08/21/2025 18:23	WG2582648
Benzo(g,h,i)perylene	ND		0.0363	1	08/21/2025 18:23	WG2582648
Bis(2-chlorethoxy)methane	ND		0.363	1	08/21/2025 18:23	WG2582648
Bis(2-chloroethyl)ether	ND	C3	0.363	1	08/21/2025 18:23	WG2582648
2,2-Oxybis(1-Chloropropane)	ND		0.363	1	08/21/2025 18:23	WG2582648
4-Bromophenyl-phenylether	ND		0.363	1	08/21/2025 18:23	WG2582648
2-Chloronaphthalene	ND		0.0363	1	08/21/2025 18:23	WG2582648
4-Chlorophenyl-phenylether	ND		0.363	1	08/21/2025 18:23	WG2582648
1,2-Dichlorobenzene	ND		0.363	1	08/21/2025 18:23	WG2582648
1,3-Dichlorobenzene	ND		0.363	1	08/21/2025 18:23	WG2582648
1,4-Dichlorobenzene	ND		0.363	1	08/21/2025 18:23	WG2582648
3,3-Dichlorobenzidine	ND		0.363	1	08/21/2025 18:23	WG2582648
2,4-Dinitrotoluene	ND		0.363	1	08/21/2025 18:23	WG2582648
2,6-Dinitrotoluene	ND		0.363	1	08/21/2025 18:23	WG2582648
Hexachlorobenzene	ND		0.363	1	08/21/2025 18:23	WG2582648
Hexachloro-1,3-butadiene	ND		0.363	1	08/21/2025 18:23	WG2582648
Hexachlorocyclopentadiene	ND	C3	0.363	1	08/21/2025 18:23	WG2582648
Hexachloroethane	ND		0.363	1	08/21/2025 18:23	WG2582648
Isophorone	ND		0.363	1	08/21/2025 18:23	WG2582648
Nitrobenzene	ND		0.363	1	08/21/2025 18:23	WG2582648
n-Nitrosodimethylamine	ND	C3	0.363	1	08/21/2025 18:23	WG2582648
n-Nitrosodiphenylamine	ND		0.363	1	08/21/2025 18:23	WG2582648
n-Nitrosodi-n-propylamine	ND		0.363	1	08/21/2025 18:23	WG2582648
Phenanthrene	ND		0.0363	1	08/21/2025 18:23	WG2582648
Benzylbutyl phthalate	ND		0.363	1	08/21/2025 18:23	WG2582648
Bis(2-ethylhexyl)phthalate	ND		0.363	1	08/21/2025 18:23	WG2582648
Di-n-butyl phthalate	ND		0.363	1	08/21/2025 18:23	WG2582648
Diethyl phthalate	ND		0.363	1	08/21/2025 18:23	WG2582648
Dimethyl phthalate	ND		0.363	1	08/21/2025 18:23	WG2582648
Di-n-octyl phthalate	ND		0.363	1	08/21/2025 18:23	WG2582648
1,2,4-Trichlorobenzene	ND		0.363	1	08/21/2025 18:23	WG2582648
4-Chloro-3-methylphenol	ND		0.363	1	08/21/2025 18:23	WG2582648
2-Chlorophenol	ND		0.363	1	08/21/2025 18:23	WG2582648
2,4-Dichlorophenol	ND		0.363	1	08/21/2025 18:23	WG2582648
2,4-Dimethylphenol	ND	C3	0.363	1	08/21/2025 18:23	WG2582648
4,6-Dinitro-2-methylphenol	ND		0.363	1	08/21/2025 18:23	WG2582648
2,4-Dinitrophenol	ND		0.363	1	08/21/2025 18:23	WG2582648
2-Nitrophenol	ND		0.363	1	08/21/2025 18:23	WG2582648
4-Nitrophenol	ND		0.363	1	08/21/2025 18:23	WG2582648
Pentachlorophenol	ND		0.363	1	08/21/2025 18:23	WG2582648
Phenol	ND		0.363	1	08/21/2025 18:23	WG2582648
2,4,6-Trichlorophenol	ND		0.363	1	08/21/2025 18:23	WG2582648
(S) 2-Fluorophenol	*59.2*		*12.0-120*		*08/21/2025 18:23*	WG2582648
(S) Phenol-d5	*55.6*		*10.0-120*		*08/21/2025 18:23*	WG2582648
(S) Nitrobenzene-d5	*46.7*		*10.0-122*		*08/21/2025 18:23*	WG2582648

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	*56.1*		*15.0-120*		*08/21/2025 18:23*	WG2582648
(S) 2,4,6-Tribromophenol	*100*		*10.0-127*		*08/21/2025 18:23*	WG2582648
(S) p-Terphenyl-d14	*63.3*		*10.0-120*		*08/21/2025 18:23*	WG2582648

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		0.0360	1	08/21/2025 04:54	WG2583077
Acenaphthene	ND		0.0360	1	08/21/2025 04:54	WG2583077
Acenaphthylene	ND		0.0360	1	08/21/2025 04:54	WG2583077
Benzo(a)anthracene	0.0244		0.00654	1	08/21/2025 04:54	WG2583077
Benzo(a)pyrene	ND		0.0360	1	08/21/2025 04:54	WG2583077
Benzo(b)fluoranthene	ND		0.0360	1	08/21/2025 04:54	WG2583077
Benzo(g,h,i)perylene	ND		0.0360	1	08/21/2025 04:54	WG2583077
Benzo(k)fluoranthene	ND		0.0360	1	08/21/2025 04:54	WG2583077
Chrysene	ND		0.0360	1	08/21/2025 04:54	WG2583077
Dibenz(a,h)anthracene	ND		0.0360	1	08/21/2025 04:54	WG2583077
Fluoranthene	0.0435		0.0360	1	08/21/2025 04:54	WG2583077
Fluorene	ND		0.0360	1	08/21/2025 04:54	WG2583077
Indeno(1,2,3-cd)pyrene	ND		0.0360	1	08/21/2025 04:54	WG2583077
Naphthalene	0.00372		0.00327	1	08/21/2025 04:54	WG2583077
Phenanthrene	ND		0.0360	1	08/21/2025 04:54	WG2583077
Pyrene	0.0405		0.0360	1	08/21/2025 04:54	WG2583077
1-Methylnaphthalene	ND		0.00327	1	08/21/2025 04:54	WG2583077
2-Methylnaphthalene	ND		0.0131	1	08/21/2025 04:54	WG2583077
(S) p-Terphenyl-d14	*108*		*23.0-120*		*08/21/2025 04:54*	WG2583077
(S) Nitrobenzene-d5	*103*		*14.0-149*		*08/21/2025 04:54*	WG2583077
(S) 2-Fluorobiphenyl	*108*		*34.0-125*		*08/21/2025 04:54*	WG2583077

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.861		1	08/20/2025 08:04	WG2582953

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	324		103	1	08/21/2025 20:48	WG2581505

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	97.2		1	08/18/2025 13:45	WG2581749

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	08/19/2025 23:27	WG2582528

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	242		103	5	08/21/2025 20:48	WG2584208

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	09/04/2025 22:10	WG2590692

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.10		1	08/20/2025 16:10	WG2583520

Sample Narrative:

L1889504-16 WG2583520: 8.1 at 21.4C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	723	umhos/cm		10.0	1	08/20/2025 20:15	WG2583523

Sample Narrative:

L1889504-16 WG2583523: 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		103	5	08/17/2025 19:12	WG2581505

Sample Narrative:

L1889504-16 WG2581505: Dilution due to matrix impact on instrumentation at lower dilution

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	3820		500	5	08/21/2025 14:22	WG2581621

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	6910		20.6	1	08/19/2025 15:06	WG2582202
Antimony	ND		2.06	1	08/19/2025 15:06	WG2582202
Beryllium	0.356		0.206	1	08/19/2025 15:06	WG2582202
Calcium	8560		103	1	08/19/2025 15:06	WG2582202
Chromium	7.74		1.03	1	08/19/2025 15:06	WG2582202
Cobalt	2.45		1.03	1	08/19/2025 15:06	WG2582202
Iron	9800		10.3	1	08/19/2025 15:06	WG2582202
Magnesium	2320		103	1	08/19/2025 15:06	WG2582202
Manganese	154		1.03	1	08/19/2025 15:06	WG2582202
Potassium	1510		103	1	08/19/2025 15:06	WG2582202
Sodium	108		103	1	08/19/2025 15:06	WG2582202
Thallium	ND		2.06	1	08/19/2025 15:06	WG2582202
Vanadium	17.9		2.06	1	08/19/2025 15:06	WG2582202

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	ND		0.100	1	08/20/2025 12:49	WG2582970

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.83		0.103	5	08/19/2025 16:49	WG2582163
Barium	60.8		10.3	5	08/19/2025 16:49	WG2582163
Cadmium	0.146		0.103	5	08/19/2025 16:49	WG2582163
Copper	ND		10.3	5	08/19/2025 16:49	WG2582163
Lead	ND		10.3	5	08/19/2025 16:49	WG2582163
Nickel	ND		10.3	5	08/19/2025 16:49	WG2582163
Selenium	0.636		0.103	5	08/19/2025 16:49	WG2582163
Silver	ND		0.515	5	08/19/2025 16:49	WG2582163
Zinc	ND		51.5	5	08/19/2025 16:49	WG2582163

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		2.65	25	08/17/2025 11:38	WG2581370
(S) a,a,a-Trifluorotoluene(FID)	*101*		*77.0-120*		*08/17/2025 11:38*	WG2581370

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	J3	0.106	1	08/17/2025 06:59	WG2581339
Acrylonitrile	ND		0.0132	1	08/17/2025 06:59	WG2581339
Benzene	ND		0.00106	1	08/17/2025 06:59	WG2581339
Bromobenzene	ND		0.0132	1	08/17/2025 06:59	WG2581339
Bromodichloromethane	ND		0.00265	1	08/17/2025 06:59	WG2581339
Bromoform	ND		0.0265	1	08/17/2025 06:59	WG2581339
Bromomethane	ND		0.0132	1	08/17/2025 06:59	WG2581339
n-Butylbenzene	ND		0.0132	1	08/17/2025 06:59	WG2581339

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
sec-Butylbenzene	ND		0.0132	1	08/17/2025 06:59	WG2581339
tert-Butylbenzene	ND		0.00529	1	08/17/2025 06:59	WG2581339
Carbon tetrachloride	ND		0.00529	1	08/17/2025 06:59	WG2581339
Chlorobenzene	ND		0.00265	1	08/17/2025 06:59	WG2581339
Chlorodibromomethane	ND		0.00265	1	08/17/2025 06:59	WG2581339
Chloroethane	ND		0.0106	1	08/17/2025 06:59	WG2581339
Chloroform	ND		0.00265	1	08/17/2025 06:59	WG2581339
Chloromethane	ND		0.0132	1	08/17/2025 06:59	WG2581339
2-Chlorotoluene	ND		0.00265	1	08/17/2025 06:59	WG2581339
4-Chlorotoluene	ND		0.00529	1	08/17/2025 06:59	WG2581339
1,2-Dibromo-3-Chloropropane	ND	C3	0.0265	1	08/17/2025 06:59	WG2581339
1,2-Dibromoethane	ND		0.00265	1	08/17/2025 06:59	WG2581339
Dibromomethane	ND		0.00529	1	08/17/2025 06:59	WG2581339
1,2-Dichlorobenzene	ND		0.00529	1	08/17/2025 06:59	WG2581339
1,3-Dichlorobenzene	ND		0.00529	1	08/17/2025 06:59	WG2581339
1,4-Dichlorobenzene	ND		0.00529	1	08/17/2025 06:59	WG2581339
Dichlorodifluoromethane	ND	J3	0.00529	1	08/17/2025 06:59	WG2581339
1,1-Dichloroethane	ND		0.00265	1	08/17/2025 06:59	WG2581339
1,2-Dichloroethane	ND		0.00265	1	08/17/2025 06:59	WG2581339
1,1-Dichloroethene	ND		0.00265	1	08/17/2025 06:59	WG2581339
cis-1,2-Dichloroethene	ND		0.00265	1	08/17/2025 06:59	WG2581339
trans-1,2-Dichloroethene	ND		0.00529	1	08/17/2025 06:59	WG2581339
1,2-Dichloropropane	ND		0.00529	1	08/17/2025 06:59	WG2581339
1,1-Dichloropropene	ND	J3	0.00529	1	08/17/2025 06:59	WG2581339
1,3-Dichloropropane	ND		0.00529	1	08/17/2025 06:59	WG2581339
cis-1,3-Dichloropropene	ND		0.00265	1	08/17/2025 06:59	WG2581339
trans-1,3-Dichloropropene	ND		0.00529	1	08/17/2025 06:59	WG2581339
2,2-Dichloropropane	ND		0.00265	1	08/17/2025 06:59	WG2581339
Di-isopropyl ether	ND		0.00106	1	08/17/2025 06:59	WG2581339
Ethylbenzene	ND		0.00265	1	08/17/2025 06:59	WG2581339
Hexachloro-1,3-butadiene	ND		0.0265	1	08/17/2025 06:59	WG2581339
Isopropylbenzene	ND		0.00265	1	08/17/2025 06:59	WG2581339
p-Isopropyltoluene	ND		0.00529	1	08/17/2025 06:59	WG2581339
2-Butanone (MEK)	ND	C3	0.106	1	08/17/2025 06:59	WG2581339
Methylene Chloride	ND		0.0265	1	08/17/2025 06:59	WG2581339
4-Methyl-2-pentanone (MIBK)	ND		0.0265	1	08/17/2025 06:59	WG2581339
Methyl tert-butyl ether	ND		0.00106	1	08/17/2025 06:59	WG2581339
n-Propylbenzene	ND		0.00529	1	08/17/2025 06:59	WG2581339
Styrene	ND		0.0132	1	08/17/2025 06:59	WG2581339
1,1,1,2-Tetrachloroethane	ND		0.00265	1	08/17/2025 06:59	WG2581339
1,1,2,2-Tetrachloroethane	ND		0.00265	1	08/17/2025 06:59	WG2581339
1,1,2-Trichlorotrifluoroethane	ND		0.00529	1	08/17/2025 06:59	WG2581339
Tetrachloroethene	ND		0.00265	1	08/17/2025 06:59	WG2581339
Toluene	ND		0.00529	1	08/17/2025 06:59	WG2581339
1,2,3-Trichlorobenzene	ND	C3	0.0132	1	08/17/2025 06:59	WG2581339
1,2,4-Trichlorobenzene	ND		0.0132	1	08/17/2025 06:59	WG2581339
1,1,1-Trichloroethane	ND		0.00265	1	08/17/2025 06:59	WG2581339
1,1,2-Trichloroethane	ND		0.00265	1	08/17/2025 06:59	WG2581339
Trichloroethene	ND		0.00106	1	08/17/2025 06:59	WG2581339
Trichlorofluoromethane	ND		0.00423	1	08/17/2025 06:59	WG2581339
1,2,3-Trichloropropane	ND		0.0132	1	08/17/2025 06:59	WG2581339
1,2,3-Trimethylbenzene	ND		0.00529	1	08/17/2025 06:59	WG2581339
1,2,4-Trimethylbenzene	ND		0.00529	1	08/17/2025 06:59	WG2581339
1,3,5-Trimethylbenzene	ND		0.00529	1	08/17/2025 06:59	WG2581339
Vinyl chloride	ND		0.00265	1	08/17/2025 06:59	WG2581339
Xylenes, Total	ND		0.00688	1	08/17/2025 06:59	WG2581339

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) Toluene-d8	*99.7*		*75.0-131*		*08/17/2025 06:59*	WG2581339
(S) 4-Bromofluorobenzene	*96.8*		*67.0-138*		*08/17/2025 06:59*	WG2581339
(S) 1,2-Dichloroethane-d4	*100*		*70.0-130*		*08/17/2025 06:59*	WG2581339

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	4.44		4.12	1	08/20/2025 20:16	WG2582616
C28-C36 Motor Oil Range	26.1		4.12	1	08/20/2025 20:16	WG2582616
(S) o-Terphenyl	*67.1*		*18.0-148*		*08/20/2025 20:16*	WG2582616

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	08/21/2025 18:45	WG2582648
Benzidine	ND	C3 C6 J4	1.72	1	08/21/2025 18:45	WG2582648
Benzo(g,h,i)perylene	ND		0.0343	1	08/21/2025 18:45	WG2582648
Bis(2-chlorethoxy)methane	ND		0.343	1	08/21/2025 18:45	WG2582648
Bis(2-chloroethyl)ether	ND	C3	0.343	1	08/21/2025 18:45	WG2582648
2,2-Oxybis(1-Chloropropane)	ND		0.343	1	08/21/2025 18:45	WG2582648
4-Bromophenyl-phenylether	ND		0.343	1	08/21/2025 18:45	WG2582648
2-Chloronaphthalene	ND		0.0343	1	08/21/2025 18:45	WG2582648
4-Chlorophenyl-phenylether	ND		0.343	1	08/21/2025 18:45	WG2582648
1,2-Dichlorobenzene	ND		0.343	1	08/21/2025 18:45	WG2582648
1,3-Dichlorobenzene	ND		0.343	1	08/21/2025 18:45	WG2582648
1,4-Dichlorobenzene	ND		0.343	1	08/21/2025 18:45	WG2582648
3,3-Dichlorobenzidine	ND		0.343	1	08/21/2025 18:45	WG2582648
2,4-Dinitrotoluene	ND		0.343	1	08/21/2025 18:45	WG2582648
2,6-Dinitrotoluene	ND		0.343	1	08/21/2025 18:45	WG2582648
Hexachlorobenzene	ND		0.343	1	08/21/2025 18:45	WG2582648
Hexachloro-1,3-butadiene	ND		0.343	1	08/21/2025 18:45	WG2582648
Hexachlorocyclopentadiene	ND	C3	0.343	1	08/21/2025 18:45	WG2582648
Hexachloroethane	ND		0.343	1	08/21/2025 18:45	WG2582648
Isophorone	ND		0.343	1	08/21/2025 18:45	WG2582648
Nitrobenzene	ND		0.343	1	08/21/2025 18:45	WG2582648
n-Nitrosodimethylamine	ND	C3	0.343	1	08/21/2025 18:45	WG2582648
n-Nitrosodiphenylamine	ND		0.343	1	08/21/2025 18:45	WG2582648
n-Nitrosodi-n-propylamine	ND		0.343	1	08/21/2025 18:45	WG2582648
Phenanthrene	ND		0.0343	1	08/21/2025 18:45	WG2582648
Benzylbutyl phthalate	ND		0.343	1	08/21/2025 18:45	WG2582648
Bis(2-ethylhexyl)phthalate	ND		0.343	1	08/21/2025 18:45	WG2582648
Di-n-butyl phthalate	ND		0.343	1	08/21/2025 18:45	WG2582648
Diethyl phthalate	ND		0.343	1	08/21/2025 18:45	WG2582648
Dimethyl phthalate	ND		0.343	1	08/21/2025 18:45	WG2582648
Di-n-octyl phthalate	ND		0.343	1	08/21/2025 18:45	WG2582648
1,2,4-Trichlorobenzene	ND		0.343	1	08/21/2025 18:45	WG2582648
4-Chloro-3-methylphenol	ND		0.343	1	08/21/2025 18:45	WG2582648
2-Chlorophenol	ND		0.343	1	08/21/2025 18:45	WG2582648
2,4-Dichlorophenol	ND		0.343	1	08/21/2025 18:45	WG2582648
2,4-Dimethylphenol	ND	C3	0.343	1	08/21/2025 18:45	WG2582648
4,6-Dinitro-2-methylphenol	ND		0.343	1	08/21/2025 18:45	WG2582648
2,4-Dinitrophenol	ND		0.343	1	08/21/2025 18:45	WG2582648
2-Nitrophenol	ND		0.343	1	08/21/2025 18:45	WG2582648
4-Nitrophenol	ND		0.343	1	08/21/2025 18:45	WG2582648
Pentachlorophenol	ND		0.343	1	08/21/2025 18:45	WG2582648

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Phenol	ND		0.343	1	08/21/2025 18:45	WG2582648
2,4,6-Trichlorophenol	ND		0.343	1	08/21/2025 18:45	WG2582648
(S) 2-Fluorophenol	*62.3*		*12.0-120*		*08/21/2025 18:45*	WG2582648
(S) Phenol-d5	*58.0*		*10.0-120*		*08/21/2025 18:45*	WG2582648
(S) Nitrobenzene-d5	*48.1*		*10.0-122*		*08/21/2025 18:45*	WG2582648
(S) 2-Fluorobiphenyl	*58.8*		*15.0-120*		*08/21/2025 18:45*	WG2582648
(S) 2,4,6-Tribromophenol	*106*		*10.0-127*		*08/21/2025 18:45*	WG2582648
(S) p-Terphenyl-d14	*65.7*		*10.0-120*		*08/21/2025 18:45*	WG2582648

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	08/21/2025 05:12	WG2583077
Acenaphthene	ND		0.0340	1	08/21/2025 05:12	WG2583077
Acenaphthylene	ND		0.0340	1	08/21/2025 05:12	WG2583077
Benzo(a)anthracene	ND		0.00617	1	08/21/2025 05:12	WG2583077
Benzo(a)pyrene	ND		0.0340	1	08/21/2025 05:12	WG2583077
Benzo(b)fluoranthene	ND		0.0340	1	08/21/2025 05:12	WG2583077
Benzo(g,h,i)perylene	ND		0.0340	1	08/21/2025 05:12	WG2583077
Benzo(k)fluoranthene	ND		0.0340	1	08/21/2025 05:12	WG2583077
Chrysene	ND		0.0340	1	08/21/2025 05:12	WG2583077
Dibenz(a,h)anthracene	ND		0.0340	1	08/21/2025 05:12	WG2583077
Fluoranthene	ND		0.0340	1	08/21/2025 05:12	WG2583077
Fluorene	ND		0.0340	1	08/21/2025 05:12	WG2583077
Indeno(1,2,3-cd)pyrene	ND		0.0340	1	08/21/2025 05:12	WG2583077
Naphthalene	ND		0.00309	1	08/21/2025 05:12	WG2583077
Phenanthrene	ND		0.0340	1	08/21/2025 05:12	WG2583077
Pyrene	ND		0.0340	1	08/21/2025 05:12	WG2583077
1-Methylnaphthalene	ND		0.00309	1	08/21/2025 05:12	WG2583077
2-Methylnaphthalene	ND		0.0123	1	08/21/2025 05:12	WG2583077
(S) p-Terphenyl-d14	*101*		*23.0-120*		*08/21/2025 05:12*	WG2583077
(S) Nitrobenzene-d5	*87.0*		*14.0-149*		*08/21/2025 05:12*	WG2583077
(S) 2-Fluorobiphenyl	*100*		*34.0-125*		*08/21/2025 05:12*	WG2583077

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.624		1	08/20/2025 08:07	WG2582953

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	728		22.2	1	08/21/2025 20:50	WG2581505

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.2		1	08/18/2025 13:45	WG2581749

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	08/19/2025 23:29	WG2582528

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	722		111	5	08/21/2025 20:50	WG2584208

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.222	1	09/04/2025 22:19	WG2590692

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.24		1	08/20/2025 16:10	WG2583520

Sample Narrative:

L1889504-17 WG2583520: 8.24 at 21.7C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	282	umhos/cm		10.0	1	08/20/2025 20:15	WG2583523

Sample Narrative:

L1889504-17 WG2583523: 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	08/17/2025 19:25	WG2581505

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	12100		500	5	08/21/2025 14:22	WG2581621

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	7290		22.2	1	08/19/2025 15:08	WG2582202
Antimony	ND		2.22	1	08/19/2025 15:08	WG2582202
Beryllium	0.503		0.222	1	08/19/2025 15:08	WG2582202
Calcium	4680		111	1	08/19/2025 15:08	WG2582202
Chromium	8.23		1.11	1	08/19/2025 15:08	WG2582202
Cobalt	3.60		1.11	1	08/19/2025 15:08	WG2582202
Iron	19100		11.1	1	08/19/2025 15:08	WG2582202
Magnesium	1880		111	1	08/19/2025 15:08	WG2582202
Manganese	392		1.11	1	08/19/2025 15:08	WG2582202
Potassium	2250		111	1	08/19/2025 15:08	WG2582202
Sodium	ND		111	1	08/19/2025 15:08	WG2582202
Thallium	ND		2.22	1	08/19/2025 15:08	WG2582202
Vanadium	25.0		2.22	1	08/19/2025 15:08	WG2582202

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	0.125		0.100	1	08/20/2025 14:15	WG2582970

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	6.25		0.111	5	08/19/2025 16:52	WG2582163
Barium	84.6		11.1	5	08/19/2025 16:52	WG2582163
Cadmium	0.463		0.111	5	08/19/2025 16:52	WG2582163
Copper	ND		11.1	5	08/19/2025 16:52	WG2582163
Lead	24.9		11.1	5	08/19/2025 16:52	WG2582163
Nickel	ND		11.1	5	08/19/2025 16:52	WG2582163
Selenium	0.567		0.111	5	08/19/2025 16:52	WG2582163
Silver	ND		0.555	5	08/19/2025 16:52	WG2582163
Zinc	62.8		55.5	5	08/19/2025 16:52	WG2582163

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		3.05	25	08/17/2025 12:15	WG2581370
(S) a,a,a-Trifluorotoluene(FID)	*102*		*77.0-120*		*08/17/2025 12:15*	WG2581370

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	J3	0.122	1	08/17/2025 06:39	WG2581339
Acrylonitrile	ND		0.0152	1	08/17/2025 06:39	WG2581339
Benzene	ND		0.00122	1	08/17/2025 06:39	WG2581339
Bromobenzene	ND		0.0152	1	08/17/2025 06:39	WG2581339
Bromodichloromethane	ND		0.00305	1	08/17/2025 06:39	WG2581339
Bromoform	ND		0.0305	1	08/17/2025 06:39	WG2581339
Bromomethane	ND		0.0152	1	08/17/2025 06:39	WG2581339
n-Butylbenzene	ND		0.0152	1	08/17/2025 06:39	WG2581339
sec-Butylbenzene	ND		0.0152	1	08/17/2025 06:39	WG2581339
tert-Butylbenzene	ND		0.00609	1	08/17/2025 06:39	WG2581339
Carbon tetrachloride	ND		0.00609	1	08/17/2025 06:39	WG2581339
Chlorobenzene	ND		0.00305	1	08/17/2025 06:39	WG2581339
Chlorodibromomethane	ND		0.00305	1	08/17/2025 06:39	WG2581339

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		0.0122	1	08/17/2025 06:39	WG2581339
Chloroform	ND		0.00305	1	08/17/2025 06:39	WG2581339
Chloromethane	ND		0.0152	1	08/17/2025 06:39	WG2581339
2-Chlorotoluene	ND		0.00305	1	08/17/2025 06:39	WG2581339
4-Chlorotoluene	ND		0.00609	1	08/17/2025 06:39	WG2581339
1,2-Dibromo-3-Chloropropane	ND	C3	0.0305	1	08/17/2025 06:39	WG2581339
1,2-Dibromoethane	ND		0.00305	1	08/17/2025 06:39	WG2581339
Dibromomethane	ND		0.00609	1	08/17/2025 06:39	WG2581339
1,2-Dichlorobenzene	ND		0.00609	1	08/17/2025 06:39	WG2581339
1,3-Dichlorobenzene	ND		0.00609	1	08/17/2025 06:39	WG2581339
1,4-Dichlorobenzene	ND		0.00609	1	08/17/2025 06:39	WG2581339
Dichlorodifluoromethane	ND	J3	0.00609	1	08/17/2025 06:39	WG2581339
1,1-Dichloroethane	ND		0.00305	1	08/17/2025 06:39	WG2581339
1,2-Dichloroethane	ND		0.00305	1	08/17/2025 06:39	WG2581339
1,1-Dichloroethene	ND		0.00305	1	08/17/2025 06:39	WG2581339
cis-1,2-Dichloroethene	ND		0.00305	1	08/17/2025 06:39	WG2581339
trans-1,2-Dichloroethene	ND		0.00609	1	08/17/2025 06:39	WG2581339
1,2-Dichloropropane	ND		0.00609	1	08/17/2025 06:39	WG2581339
1,1-Dichloropropene	ND	J3	0.00609	1	08/17/2025 06:39	WG2581339
1,3-Dichloropropane	ND		0.00609	1	08/17/2025 06:39	WG2581339
cis-1,3-Dichloropropene	ND		0.00305	1	08/17/2025 06:39	WG2581339
trans-1,3-Dichloropropene	ND		0.00609	1	08/17/2025 06:39	WG2581339
2,2-Dichloropropane	ND		0.00305	1	08/17/2025 06:39	WG2581339
Di-isopropyl ether	ND		0.00122	1	08/17/2025 06:39	WG2581339
Ethylbenzene	ND		0.00305	1	08/17/2025 06:39	WG2581339
Hexachloro-1,3-butadiene	ND		0.0305	1	08/17/2025 06:39	WG2581339
Isopropylbenzene	ND		0.00305	1	08/17/2025 06:39	WG2581339
p-Isopropyltoluene	ND		0.00609	1	08/17/2025 06:39	WG2581339
2-Butanone (MEK)	ND	C3	0.122	1	08/17/2025 06:39	WG2581339
Methylene Chloride	ND		0.0305	1	08/17/2025 06:39	WG2581339
4-Methyl-2-pentanone (MIBK)	ND		0.0305	1	08/17/2025 06:39	WG2581339
Methyl tert-butyl ether	ND		0.00122	1	08/17/2025 06:39	WG2581339
n-Propylbenzene	ND		0.00609	1	08/17/2025 06:39	WG2581339
Styrene	ND		0.0152	1	08/17/2025 06:39	WG2581339
1,1,1,2-Tetrachloroethane	ND		0.00305	1	08/17/2025 06:39	WG2581339
1,1,2,2-Tetrachloroethane	ND		0.00305	1	08/17/2025 06:39	WG2581339
1,1,2-Trichlorotrifluoroethane	ND		0.00609	1	08/17/2025 06:39	WG2581339
Tetrachloroethene	ND		0.00305	1	08/17/2025 06:39	WG2581339
Toluene	ND		0.00609	1	08/17/2025 06:39	WG2581339
1,2,3-Trichlorobenzene	ND	C3	0.0152	1	08/17/2025 06:39	WG2581339
1,2,4-Trichlorobenzene	ND		0.0152	1	08/17/2025 06:39	WG2581339
1,1,1-Trichloroethane	ND		0.00305	1	08/17/2025 06:39	WG2581339
1,1,2-Trichloroethane	ND		0.00305	1	08/17/2025 06:39	WG2581339
Trichloroethene	ND		0.00122	1	08/17/2025 06:39	WG2581339
Trichlorofluoromethane	ND		0.00487	1	08/17/2025 06:39	WG2581339
1,2,3-Trichloropropane	ND		0.0152	1	08/17/2025 06:39	WG2581339
1,2,3-Trimethylbenzene	ND		0.00609	1	08/17/2025 06:39	WG2581339
1,2,4-Trimethylbenzene	ND		0.00609	1	08/17/2025 06:39	WG2581339
1,3,5-Trimethylbenzene	ND		0.00609	1	08/17/2025 06:39	WG2581339
Vinyl chloride	ND		0.00305	1	08/17/2025 06:39	WG2581339
Xylenes, Total	ND		0.00792	1	08/17/2025 06:39	WG2581339
(S) Toluene-d8	*100*		*75.0-131*		*08/17/2025 06:39*	WG2581339
(S) 4-Bromofluorobenzene	*98.6*		*67.0-138*		*08/17/2025 06:39*	WG2581339
(S) 1,2-Dichloroethane-d4	*101*		*70.0-130*		*08/17/2025 06:39*	WG2581339

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	97.1		88.7	20	08/20/2025 21:40	WG2582616
C28-C36 Motor Oil Range	826		88.7	20	08/20/2025 21:40	WG2582616
(S) o-Terphenyl	*68.9*	J7	*18.0-148*		*08/20/2025 21:40*	WG2582616

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		0.369	10	08/21/2025 22:32	WG2582648
Benzidine	ND	C3 C6 J4	18.5	10	08/21/2025 22:32	WG2582648
Benzo(g,h,i)perylene	ND		0.369	10	08/21/2025 22:32	WG2582648
Bis(2-chlorethoxy)methane	ND		3.69	10	08/21/2025 22:32	WG2582648
Bis(2-chloroethyl)ether	ND	C3	3.69	10	08/21/2025 22:32	WG2582648
2,2-Oxybis(1-Chloropropane)	ND		3.69	10	08/21/2025 22:32	WG2582648
4-Bromophenyl-phenylether	ND		3.69	10	08/21/2025 22:32	WG2582648
2-Chloronaphthalene	ND		0.369	10	08/21/2025 22:32	WG2582648
4-Chlorophenyl-phenylether	ND		3.69	10	08/21/2025 22:32	WG2582648
1,2-Dichlorobenzene	ND		3.69	10	08/21/2025 22:32	WG2582648
1,3-Dichlorobenzene	ND		3.69	10	08/21/2025 22:32	WG2582648
1,4-Dichlorobenzene	ND		3.69	10	08/21/2025 22:32	WG2582648
3,3-Dichlorobenzidine	ND		3.69	10	08/21/2025 22:32	WG2582648
2,4-Dinitrotoluene	ND		3.69	10	08/21/2025 22:32	WG2582648
2,6-Dinitrotoluene	ND		3.69	10	08/21/2025 22:32	WG2582648
Hexachlorobenzene	ND		3.69	10	08/21/2025 22:32	WG2582648
Hexachloro-1,3-butadiene	ND		3.69	10	08/21/2025 22:32	WG2582648
Hexachlorocyclopentadiene	ND	C3	3.69	10	08/21/2025 22:32	WG2582648
Hexachloroethane	ND		3.69	10	08/21/2025 22:32	WG2582648
Isophorone	ND		3.69	10	08/21/2025 22:32	WG2582648
Nitrobenzene	ND		3.69	10	08/21/2025 22:32	WG2582648
n-Nitrosodimethylamine	ND	C3	3.69	10	08/21/2025 22:32	WG2582648
n-Nitrosodiphenylamine	ND		3.69	10	08/21/2025 22:32	WG2582648
n-Nitrosodi-n-propylamine	ND		3.69	10	08/21/2025 22:32	WG2582648
Phenanthrene	ND		0.369	10	08/21/2025 22:32	WG2582648
Benzylbutyl phthalate	ND		3.69	10	08/21/2025 22:32	WG2582648
Bis(2-ethylhexyl)phthalate	ND		3.69	10	08/21/2025 22:32	WG2582648
Di-n-butyl phthalate	ND		3.69	10	08/21/2025 22:32	WG2582648
Diethyl phthalate	ND		3.69	10	08/21/2025 22:32	WG2582648
Dimethyl phthalate	ND		3.69	10	08/21/2025 22:32	WG2582648
Di-n-octyl phthalate	ND		3.69	10	08/21/2025 22:32	WG2582648
1,2,4-Trichlorobenzene	ND		3.69	10	08/21/2025 22:32	WG2582648
4-Chloro-3-methylphenol	ND		3.69	10	08/21/2025 22:32	WG2582648
2-Chlorophenol	ND		3.69	10	08/21/2025 22:32	WG2582648
2,4-Dichlorophenol	ND		3.69	10	08/21/2025 22:32	WG2582648
2,4-Dimethylphenol	ND	C3	3.69	10	08/21/2025 22:32	WG2582648
4,6-Dinitro-2-methylphenol	ND		3.69	10	08/21/2025 22:32	WG2582648
2,4-Dinitrophenol	ND		3.69	10	08/21/2025 22:32	WG2582648
2-Nitrophenol	ND		3.69	10	08/21/2025 22:32	WG2582648
4-Nitrophenol	ND		3.69	10	08/21/2025 22:32	WG2582648
Pentachlorophenol	ND		3.69	10	08/21/2025 22:32	WG2582648
Phenol	ND		3.69	10	08/21/2025 22:32	WG2582648
2,4,6-Trichlorophenol	ND		3.69	10	08/21/2025 22:32	WG2582648
(S) 2-Fluorophenol	*71.7*		*12.0-120*		*08/21/2025 22:32*	WG2582648
(S) Phenol-d5	*64.5*		*10.0-120*		*08/21/2025 22:32*	WG2582648
(S) Nitrobenzene-d5	*50.8*		*10.0-122*		*08/21/2025 22:32*	WG2582648
(S) 2-Fluorobiphenyl	*59.5*		*15.0-120*		*08/21/2025 22:32*	WG2582648
(S) 2,4,6-Tribromophenol	*85.7*		*10.0-127*		*08/21/2025 22:32*	WG2582648
(S) p-Terphenyl-d14	*90.0*		*10.0-120*		*08/21/2025 22:32*	WG2582648

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:

L1889504-17 WG2582648: 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		0.0366	1	08/21/2025 13:37	WG2583077
Acenaphthene	ND		0.0366	1	08/21/2025 13:37	WG2583077
Acenaphthylene	ND		0.0366	1	08/21/2025 13:37	WG2583077
Benzo(a)anthracene	0.0203		0.00665	1	08/21/2025 13:37	WG2583077
Benzo(a)pyrene	ND		0.0366	1	08/21/2025 13:37	WG2583077
Benzo(b)fluoranthene	0.0624		0.0366	1	08/21/2025 13:37	WG2583077
Benzo(g,h,i)perylene	0.0667		0.0366	1	08/21/2025 13:37	WG2583077
Benzo(k)fluoranthene	ND		0.0366	1	08/21/2025 13:37	WG2583077
Chrysene	ND		0.0366	1	08/21/2025 13:37	WG2583077
Dibenz(a,h)anthracene	ND		0.0366	1	08/21/2025 13:37	WG2583077
Fluoranthene	0.0399		0.0366	1	08/21/2025 13:37	WG2583077
Fluorene	ND		0.0366	1	08/21/2025 13:37	WG2583077
Indeno(1,2,3-cd)pyrene	ND		0.0366	1	08/21/2025 13:37	WG2583077
Naphthalene	ND		0.00333	1	08/21/2025 13:37	WG2583077
Phenanthrene	ND		0.0366	1	08/21/2025 13:37	WG2583077
Pyrene	0.0550		0.0366	1	08/21/2025 13:37	WG2583077
1-Methylnaphthalene	ND		0.00333	1	08/21/2025 13:37	WG2583077
2-Methylnaphthalene	ND		0.0133	1	08/21/2025 13:37	WG2583077
(S) p-Terphenyl-d14	*105*		*23.0-120*		*08/21/2025 13:37*	WG2583077
(S) Nitrobenzene-d5	*116*		*14.0-149*		*08/21/2025 13:37*	WG2583077
(S) 2-Fluorobiphenyl	*105*		*34.0-125*		*08/21/2025 13:37*	WG2583077

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	08/17/2025 14:38	WG2581507
Acrolein	ND		0.0500	1	08/17/2025 14:38	WG2581507
Acrylonitrile	ND		0.0100	1	08/17/2025 14:38	WG2581507
Benzene	ND		0.00100	1	08/17/2025 14:38	WG2581507
Bromobenzene	ND		0.00100	1	08/17/2025 14:38	WG2581507
Bromodichloromethane	ND		0.00100	1	08/17/2025 14:38	WG2581507
Bromoform	ND		0.00100	1	08/17/2025 14:38	WG2581507
Bromomethane	ND	C3	0.00500	1	08/17/2025 14:38	WG2581507
n-Butylbenzene	ND		0.00100	1	08/17/2025 14:38	WG2581507
sec-Butylbenzene	ND		0.00100	1	08/17/2025 14:38	WG2581507
tert-Butylbenzene	ND		0.00100	1	08/17/2025 14:38	WG2581507
Carbon tetrachloride	ND		0.00100	1	08/17/2025 14:38	WG2581507
Chlorobenzene	ND		0.00100	1	08/17/2025 14:38	WG2581507
Chlorodibromomethane	ND		0.00100	1	08/17/2025 14:38	WG2581507
Chloroethane	ND		0.00500	1	08/17/2025 14:38	WG2581507
Chloroform	ND		0.00500	1	08/17/2025 14:38	WG2581507
Chloromethane	ND	C3	0.00500	1	08/17/2025 14:38	WG2581507
2-Chlorotoluene	ND		0.00100	1	08/17/2025 14:38	WG2581507
4-Chlorotoluene	ND		0.00100	1	08/17/2025 14:38	WG2581507
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	08/20/2025 16:08	WG2583097
1,2-Dibromoethane	ND		0.00100	1	08/17/2025 14:38	WG2581507
Dibromomethane	ND		0.00100	1	08/17/2025 14:38	WG2581507
1,2-Dichlorobenzene	ND		0.00100	1	08/17/2025 14:38	WG2581507
1,3-Dichlorobenzene	ND		0.00100	1	08/17/2025 14:38	WG2581507
1,4-Dichlorobenzene	ND		0.00100	1	08/17/2025 14:38	WG2581507
Dichlorodifluoromethane	ND	C3	0.00500	1	08/17/2025 14:38	WG2581507
1,1-Dichloroethane	ND		0.00100	1	08/17/2025 14:38	WG2581507
1,2-Dichloroethane	ND		0.00100	1	08/17/2025 14:38	WG2581507
1,1-Dichloroethene	ND		0.00100	1	08/17/2025 14:38	WG2581507
cis-1,2-Dichloroethene	ND		0.00100	1	08/17/2025 14:38	WG2581507
trans-1,2-Dichloroethene	ND		0.00100	1	08/17/2025 14:38	WG2581507
1,2-Dichloropropane	ND		0.00100	1	08/17/2025 14:38	WG2581507
1,1-Dichloropropene	ND		0.00100	1	08/17/2025 14:38	WG2581507
1,3-Dichloropropane	ND		0.00100	1	08/17/2025 14:38	WG2581507
cis-1,3-Dichloropropene	ND		0.00100	1	08/17/2025 14:38	WG2581507
trans-1,3-Dichloropropene	ND		0.00100	1	08/17/2025 14:38	WG2581507
2,2-Dichloropropane	ND		0.00100	1	08/17/2025 14:38	WG2581507
Di-isopropyl ether	ND		0.00100	1	08/17/2025 14:38	WG2581507
Ethylbenzene	ND		0.00100	1	08/17/2025 14:38	WG2581507
Hexachloro-1,3-butadiene	ND		0.00200	1	08/20/2025 16:08	WG2583097
Isopropylbenzene	ND		0.00100	1	08/17/2025 14:38	WG2581507
p-Isopropyltoluene	ND		0.00100	1	08/17/2025 14:38	WG2581507
2-Butanone (MEK)	ND		0.0200	1	08/17/2025 14:38	WG2581507
Methylene Chloride	ND		0.00500	1	08/17/2025 14:38	WG2581507
4-Methyl-2-pentanone (MIBK)	ND	C3	0.0200	1	08/17/2025 14:38	WG2581507
Methyl tert-butyl ether	ND		0.00100	1	08/17/2025 14:38	WG2581507
Naphthalene	ND	C3	0.00500	1	08/17/2025 14:38	WG2581507
n-Propylbenzene	ND		0.00100	1	08/17/2025 14:38	WG2581507
Styrene	ND		0.00100	1	08/17/2025 14:38	WG2581507
1,1,1,2-Tetrachloroethane	ND		0.00100	1	08/17/2025 14:38	WG2581507
1,1,2,2-Tetrachloroethane	ND	C3	0.00100	1	08/17/2025 14:38	WG2581507
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	08/17/2025 14:38	WG2581507
Tetrachloroethene	ND		0.00100	1	08/17/2025 14:38	WG2581507
Toluene	ND		0.00100	1	08/17/2025 14:38	WG2581507
1,2,3-Trichlorobenzene	ND	C3	0.00100	1	08/17/2025 14:38	WG2581507
1,2,4-Trichlorobenzene	ND	C3	0.00200	1	08/17/2025 14:38	WG2581507

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	08/17/2025 14:38	WG2581507
1,1,2-Trichloroethane	ND		0.00100	1	08/17/2025 14:38	WG2581507
Trichloroethene	ND		0.00100	1	08/17/2025 14:38	WG2581507
Trichlorofluoromethane	ND	C3	0.00500	1	08/17/2025 14:38	WG2581507
1,2,3-Trichloropropane	ND		0.00250	1	08/17/2025 14:38	WG2581507
1,2,4-Trimethylbenzene	ND		0.00200	1	08/17/2025 14:38	WG2581507
1,2,3-Trimethylbenzene	ND		0.00100	1	08/17/2025 14:38	WG2581507
1,3,5-Trimethylbenzene	ND		0.00100	1	08/17/2025 14:38	WG2581507
Vinyl chloride	ND		0.00100	1	08/17/2025 14:38	WG2581507
Xylenes, Total	ND		0.00300	1	08/17/2025 14:38	WG2581507
(S) Toluene-d8	*95.3*		*80.0-120*		*08/17/2025 14:38*	WG2581507
(S) Toluene-d8	*94.0*		*80.0-120*		*08/20/2025 16:08*	WG2583097
(S) 4-Bromofluorobenzene	*98.8*		*77.0-126*		*08/17/2025 14:38*	WG2581507
(S) 4-Bromofluorobenzene	*96.2*		*77.0-126*		*08/20/2025 16:08*	WG2583097
(S) 1,2-Dichloroethane-d4	*96.6*		*70.0-130*		*08/17/2025 14:38*	WG2581507
(S) 1,2-Dichloroethane-d4	*101*		*70.0-130*		*08/20/2025 16:08*	WG2583097

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		0.346	0.346	0.679	0.300	08/20/2025 17:41	WG2583763
Bismuth-214 (Ra-226)	0.663		0.213	0.213	0.320	0.143	08/20/2025 17:41	WG2583763
Lead-214	0.478		0.189	0.189	0.362	0.167	08/20/2025 17:41	WG2583763
Thorium-234 (U-238)	0.0906	U	1.45	1.45	3.32	1.32	08/20/2025 17:41	WG2583763
Radium-226 (186 KeV)	1.19	J	1.01	1.01	1.73	0.808	08/20/2025 17:41	WG2583763

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)	0.872		0.210	0.210	0.352	0.158	08/20/2025 17:41	WG2583763
Bismuth-214 (Ra-226)	0.731		0.151	0.151	0.191	0.0870	08/20/2025 17:41	WG2583763
Lead-214	0.898		0.148	0.148	0.190	0.0875	08/20/2025 17:41	WG2583763
Thorium-234 (U-238)	1.24	U	1.37	1.37	2.83	1.13	08/20/2025 17:41	WG2583763
Radium-226 (186 KeV)	1.38	J	0.794	0.794	1.39	0.658	08/20/2025 17:41	WG2583763

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		0.301	0.301	0.486	0.210	08/20/2025 17:41	WG2583763
Bismuth-214 (Ra-226)	0.769		0.185	0.185	0.225	0.0978	08/20/2025 17:41	WG2583763
Lead-214	0.989		0.167	0.167	0.189	0.0826	08/20/2025 17:41	WG2583763
Thorium-234 (U-238)	0.878	U	0.946	0.946	1.95	0.762	08/20/2025 17:41	WG2583763
Radium-226 (186 KeV)	1.33		0.759	0.759	1.22	0.562	08/20/2025 17:41	WG2583763

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/g		+ / -	+ / -	pCi/g	pCi/g	date / time	
Actinium-228 (Ra-228)	1.52		0.271	0.271	0.344	0.146	08/20/2025 17:56	WG2583763
Bismuth-214 (Ra-226)	0.992		0.179	0.179	0.197	0.0869	08/20/2025 17:56	WG2583763
Lead-214	1.48		0.268	0.268	0.237	0.110	08/20/2025 17:56	WG2583763
Thorium-234 (U-238)	5.95		1.94	1.94	1.54	0.616	08/20/2025 17:56	WG2583763
Radium-226 (186 KeV)	4.17		0.723	0.723	1.07	0.501	08/20/2025 17:56	WG2583763

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)	1.14		0.221	0.221	0.313	0.139	08/20/2025 17:16	WG2583763
Bismuth-214 (Ra-226)	0.795		0.145	0.145	0.176	0.0798	08/20/2025 17:16	WG2583763
Lead-214	0.765		0.153	0.153	0.200	0.0929	08/20/2025 17:16	WG2583763
Thorium-234 (U-238)	0.495	U	1.08	1.08	2.32	0.933	08/20/2025 17:16	WG2583763
Radium-226 (186 KeV)	1.22		0.672	0.672	1.13	0.536	08/20/2025 17:16	WG2583763

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)	0.792		0.195	0.195	0.322	0.144	08/20/2025 18:09	WG2583763
Bismuth-214 (Ra-226)	0.753		0.136	0.136	0.162	0.0736	08/20/2025 18:09	WG2583763
Lead-214	0.756		0.143	0.143	0.176	0.0818	08/20/2025 18:09	WG2583763
Thorium-234 (U-238)	0.171	U	0.960	0.960	2.08	0.835	08/20/2025 18:09	WG2583763
Radium-226 (186 KeV)	0.866	J	0.676	0.676	1.17	0.558	08/20/2025 18:09	WG2583763

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)	0.870		0.211	0.211	0.360	0.162	08/20/2025 18:32	WG2583763
Bismuth-214 (Ra-226)	0.687		0.144	0.144	0.192	0.0876	08/20/2025 18:32	WG2583763
Lead-214	0.791		0.139	0.139	0.197	0.0911	08/20/2025 18:32	WG2583763
Thorium-234 (U-238)	1.36	J	1.35	1.35	2.68	1.07	08/20/2025 18:32	WG2583763
Radium-226 (186 KeV)	0.555	U	0.748	0.748	1.38	0.654	08/20/2025 18:32	WG2583763

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)	1.02		0.280	0.280	0.465	0.200	08/20/2025 18:32	WG2583763
Bismuth-214 (Ra-226)	0.730		0.183	0.183	0.234	0.103	08/20/2025 18:32	WG2583763
Lead-214	0.807		0.161	0.161	0.218	0.0973	08/20/2025 18:32	WG2583763
Thorium-234 (U-238)	0.658	U	0.901	0.901	1.85	0.720	08/20/2025 18:32	WG2583763
Radium-226 (186 KeV)	1.61		0.739	0.739	1.14	0.526	08/20/2025 18:32	WG2583763

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)	0.918		0.236	0.236	0.380	0.165	08/20/2025 18:42	WG2583763
Bismuth-214 (Ra-226)	0.873		0.180	0.180	0.219	0.0983	08/20/2025 18:42	WG2583763
Lead-214	1.04		0.245	0.245	0.202	0.0926	08/20/2025 18:42	WG2583763
Thorium-234 (U-238)	0.669	U	0.685	0.685	1.42	0.567	08/20/2025 18:42	WG2583763
Radium-226 (186 KeV)	1.49		0.671	0.671	1.06	0.500	08/20/2025 18:42	WG2583763

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)	0.983		0.337	0.337	0.732	0.331	08/20/2025 19:20	WG2583763
Bismuth-214 (Ra-226)	0.519		0.198	0.198	0.313	0.141	08/20/2025 19:20	WG2583763
Lead-214	0.697		0.183	0.183	0.310	0.142	08/20/2025 19:20	WG2583763
Thorium-234 (U-238)	1.61	J	1.61	1.61	3.02	1.20	08/20/2025 19:20	WG2583763
Radium-226 (186 KeV)	0.916	J	1.02	1.02	1.78	0.837	08/20/2025 19:20	WG2583763

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	1.08		0.231	0.231	0.348	0.153	08/20/2025 19:20	WG2583763
Bismuth-214 (Ra-226)	0.756		0.154	0.154	0.194	0.0873	08/20/2025 19:20	WG2583763
Lead-214	0.777		0.151	0.151	0.218	0.100	08/20/2025 19:20	WG2583763
Thorium-234 (U-238)	2.02	J	1.54	1.54	2.87	1.14	08/20/2025 19:20	WG2583763
Radium-226 (186 KeV)	1.37	J	0.837	0.837	1.47	0.697	08/20/2025 19:20	WG2583763

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		0.330	0.330	0.547	0.234	08/20/2025 19:21	WG2583763
Bismuth-214 (Ra-226)	0.808		0.217	0.217	0.283	0.124	08/20/2025 19:21	WG2583763
Lead-214	0.889		0.177	0.177	0.219	0.0955	08/20/2025 19:21	WG2583763
Thorium-234 (U-238)	1.67	J	1.24	1.24	2.08	0.802	08/20/2025 19:21	WG2583763
Radium-226 (186 KeV)	1.09	J	0.796	0.796	1.32	0.602	08/20/2025 19:21	WG2583763

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		0.273	0.273	0.428	0.186	08/20/2025 19:29	WG2583763
Bismuth-214 (Ra-226)	0.920		0.186	0.186	0.220	0.0982	08/20/2025 19:29	WG2583763
Lead-214	0.946		0.246	0.246	0.245	0.113	08/20/2025 19:29	WG2583763
Thorium-234 (U-238)	0.858	J	0.729	0.729	1.58	0.629	08/20/2025 19:29	WG2583763
Radium-226 (186 KeV)	0.428	U	0.671	0.671	1.17	0.550	08/20/2025 19:29	WG2583763

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)	0.854		0.205	0.205	0.357	0.161	08/20/2025 20:06	WG2583763
Bismuth-214 (Ra-226)	0.790		0.144	0.144	0.179	0.0814	08/20/2025 20:06	WG2583763
Lead-214	0.766		0.144	0.144	0.173	0.0796	08/20/2025 20:06	WG2583763
Thorium-234 (U-238)	1.30	J	1.12	1.12	2.02	0.809	08/20/2025 20:06	WG2583763
Radium-226 (186 KeV)	1.34		0.673	0.673	1.12	0.532	08/20/2025 20:06	WG2583763

Method Blank (MB)

(MB) R4261580-1 08/20/25 16:50

Analyte	MB Result pCi/g	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/g	MB Lc pCi/g
Actinium-228 (Ra-228)	-0.0275	U	0.305	0.990	0.434
Americium-241	-0.767	U	1.30	2.72	1.24
Bismuth-214 (Ra-226)	0.110	U	0.175	0.353	0.150
Cesium-137	0.0297	U	0.0990	0.204	0.0870
Cobalt-60	-0.0342	U	0.0580	0.225	0.0895
Lead-214	-0.0472	U	0.142	0.352	0.154
Radium-226 (186 KeV)	0.636	U	0.989	1.81	0.812
Thorium-234 (U-238)	2.00	J	1.56	2.90	1.10

L1889504-23 Original Sample (OS) • Duplicate (DUP)

(OS) L1889504-23 08/20/25 17:16 • (DUP) R4261580-4 08/20/25 18:32

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)	1.14	0.221	0.313	0.139	1.13	0.345	0.645	0.288	0.353	0.00975		20	3
Bismuth-214 (Ra-226)	0.795	0.145	0.176	0.0798	0.836	0.213	0.298	0.134	4.98	0.158		20	3
Lead-214	0.765	0.153	0.200	0.0929	0.875	0.194	0.303	0.139	13.4	0.445		20	3
Radium-226 (186 KeV)	1.22	0.672	1.13	0.536	0.884	1.05	1.84	0.866	31.8	0.268	J	20	3
Thorium-234 (U-238)	0.495	1.08	2.32	0.933	0.364	1.50	3.30	1.32	30.6	0.0713	U	20	3

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

(LCS) R4261580-3 08/20/25 17:39 • (LCSD) R4261580-2 08/20/25 16:59

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	34.8	36.6	94.2	99.2	80.0-120			5.16	20
Cesium-137	53.8	60.5	58.8	112	109	80.0-120			2.80	20
Cobalt-60	62.9	67.8	66.6	108	106	80.0-120			1.76	20

Method Blank (MB)

(MB) R4260420-1 08/18/25 13:30

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

L1889479-27 Original Sample (OS) • Duplicate (DUP)

(OS) L1889479-27 08/18/25 13:30 • (DUP) R4260420-3 08/18/25 13:30

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	98.2	98.3	1	0.0411		10

Laboratory Control Sample (LCS)

(LCS) R4260420-2 08/18/25 13:30

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) R4260423-1 08/18/25 13:45

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1889504-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1889504-06 08/18/25 13:45 • (DUP) R4260423-3 08/18/25 13:45

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	96.8	95.5	1	1.30		10

Laboratory Control Sample (LCS)

(LCS) R4260423-2 08/18/25 13:45

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) R4260969-1 08/19/25 21:55

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

L1889504-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1889504-14 08/19/25 23:00 • (DUP) R4260969-8 08/19/25 23:02

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) R4260969-2 08/19/25 21:57

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	250	255	102	90.0-110	

L1889479-27 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1889479-27 08/19/25 22:01 • (MS) R4260969-3 08/19/25 22:03 • (MSD) R4260969-4 08/19/25 22:04

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 %
Ammonia Nitrogen	254	ND	263	271	104	107	1	90.0-110			3.01	20

L1889504-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1889504-06 08/19/25 22:24 • (MS) R4260969-5 08/19/25 22:25 • (MSD) R4260969-6 08/19/25 22:27

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	258	ND	279	264	108	102	1	90.0-110			5.71	20

Method Blank (MB)

(MB) R4260981-1 08/19/25 23:24

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

L1889512-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1889512-06 08/19/25 23:36 • (DUP) R4260981-3 08/19/25 23:38

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) R4260981-2 08/19/25 23:26

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	250	259	104	90.0-110	

QUALITY CONTROL SUMMARY

L1889504-12,14,15,16,17

Method Blank (MB)

(MB) R4262253-1 08/21/25 20:35

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) R4262253-2 08/21/25 20:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Kjeldahl Nitrogen, TKN	624	593	95.0	81.7-124	

L1889504-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1889504-14 08/21/25 20:40 • (MS) R4262253-3 08/21/25 20:42 • (MSD) R4262253-4 08/21/25 20:44

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	208	360	533	571	83.5	101	1	81.7-124			6.72	20

L1889512-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1889512-18 08/21/25 21:22 • (MS) R4262253-5 08/21/25 21:24 • (MSD) R4262253-6 08/21/25 21:26

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	211	667	852	790	87.8	58.2	1	81.7-124		J6	7.61	20

QUALITY CONTROL SUMMARY

L1889504-01,02,03,04,07,09,10,11

Method Blank (MB)

(MB) R4263924-1 08/25/25 18:51

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) R4263924-2 08/25/25 18:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Kjeldahl Nitrogen, TKN	624	585	93.8	81.7-124	

L1890306-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1890306-03 08/25/25 19:12 • (MS) R4263924-3 08/25/25 19:13 • (MSD) R4263924-4 08/25/25 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 %
Kjeldahl Nitrogen, TKN	204	2070	2020	2380	0.000	154	1	81.7-124	E V	E V	16.6	20

L1890311-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1890311-01 08/25/25 19:29 • (MS) R4263924-5 08/25/25 19:31 • (MSD) R4263924-6 08/25/25 19:33

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 %
Kjeldahl Nitrogen, TKN	204	766	945	904	88.0	67.9	1	81.7-124	E	E J6	4.42	20

QUALITY CONTROL SUMMARY

L1889504-06

Method Blank (MB)

(MB) R4263926-1 08/25/25 21:00

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) R4263926-2 08/25/25 21:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Kjeldahl Nitrogen, TKN	624	546	87.5	81.7-124	

L1889504-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1889504-06 08/25/25 21:04 • (MS) R4263926-3 08/25/25 21:06 • (MSD) R4263926-4 08/25/25 21:08

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 %
Kjeldahl Nitrogen, TKN	207	655	659	758	1.75	49.9	1	81.7-124	J6	J6	14.1	20

L1889625-18 Original Sample (OS) • Matrix Spike (MS)

(OS) L1889625-18 08/25/25 21:12 • (MS) R4263926-5 08/25/25 21:14

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Kjeldahl Nitrogen, TKN	234	2110	2060	0.000	1	81.7-124	E V

L1889625-26 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1889625-26 08/25/25 21:17 • (MS) R4263926-6 08/25/25 21:19 • (MSD) R4263926-7 08/25/25 21:21

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	229	664	1060	786	172	53.1	1	81.7-124	E J5	J3 J6	29.5	20

L1889630-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1889630-16 08/25/25 21:25 • (MS) R4263926-8 08/25/25 21:27 • (MSD) R4263926-9 08/25/25 21:29

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	267	814	813	927	0.000	42.0	1	81.7-124	J6	J6	13.1	20

Method Blank (MB)

(MB) R4273446-1 09/04/25 17:50

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

L1887226-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1887226-02 09/04/25 18:07 • (DUP) R4273446-4 09/04/25 18:16

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

L1889504-17 Original Sample (OS) • Duplicate (DUP)

(OS) L1889504-17 09/04/25 22:19 • (DUP) R4273446-9 09/04/25 22:28

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) R4273446-10 09/11/25 18:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexavalent Chromium	10.0	8.96	89.6	80.0-120	Q

L1889504-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1889504-06 09/04/25 20:04 • (MS) R4273446-5 09/04/25 20:13 • (MSD) R4273446-6 09/04/25 20:22

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	20.7	ND	15.9	15.5	76.8	74.8	1	75.0-125		J6	2.70	20

L1889504-06 Original Sample (OS) • Matrix Spike (MS)

(OS) L1889504-06 09/04/25 20:04 • (MS) R4273446-7 09/04/25 20:31

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	663	ND	550	83.1	50	75.0-125	

L1888082-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1888082-01 08/20/25 16:08 • (DUP) R4261464-2 08/20/25 16:08

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.16	8.18	1	0.245		1

Sample Narrative:

OS: 8.16 at 21.8C

DUP: 8.18 at 21.9C

L1889504-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1889504-04 08/20/25 16:08 • (DUP) R4261464-3 08/20/25 16:08

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.91	7.92	1	0.126		1

Sample Narrative:

OS: 7.91 at 21.2C

DUP: 7.92 at 21.5C

Laboratory Control Sample (LCS)

(LCS) R4261464-1 08/20/25 16:08

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	su	su	%	%	
pH	10.0	9.99	99.9	99.0-101	

Sample Narrative:

LCS: 9.99 at 21.7C

L1888474-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1888474-01 08/20/25 16:10 • (DUP) R4261442-2 08/20/25 16:10

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.43	7.43	1	0.000		1

Sample Narrative:

OS: 7.43 at 22.1C

DUP: 7.43 at 22.2C

L1889504-17 Original Sample (OS) • Duplicate (DUP)

(OS) L1889504-17 08/20/25 16:10 • (DUP) R4261442-3 08/20/25 16:10

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.24	8.24	1	0.000		1

Sample Narrative:

OS: 8.24 at 21.7C

DUP: 8.24 at 21.4C

Laboratory Control Sample (LCS)

(LCS) R4261442-1 08/20/25 16:10

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	su	su	%	%	
pH	10.0	9.99	99.9	99.0-101	

Sample Narrative:

LCS: 9.99 at 21.9C

L1889504-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1889504-01 08/25/25 10:55 • (DUP) R4263484-2 08/25/25 10:55

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.31	7.34	1	0.410		1

Sample Narrative:

OS: 7.31 at 19.1C

DUP: 7.34 at 19.7C

L1889627-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1889627-20 08/25/25 10:55 • (DUP) R4263484-3 08/25/25 10:55

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.72	7.74	1	0.259		1

Sample Narrative:

OS: 7.72 at 18C

DUP: 7.74 at 18.5C

Laboratory Control Sample (LCS)

(LCS) R4263484-1 08/25/25 10:55

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 18.3C

Method Blank (MB)

(MB) R4261541-1 08/20/25 19:45

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

L1888082-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1888082-02 08/20/25 19:45 • (DUP) R4261541-3 08/20/25 19:45

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	7580	7560	1	0.264		20

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

L1889504-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1889504-03 08/20/25 19:45 • (DUP) R4261541-4 08/20/25 19:45

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	1220	1220	1	0.246		20

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

Laboratory Control Sample (LCS)

(LCS) R4261541-2 08/20/25 19:45

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	581	555	95.5	90.0-110	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4261576-1 08/20/25 20:15

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

L1888474-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1888474-02 08/20/25 20:15 • (DUP) R4261576-3 08/20/25 20:15

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	749	747	1	0.267		20

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

L1889504-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1889504-16 08/20/25 20:15 • (DUP) R4261576-4 08/20/25 20:15

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	723	723	1	0.000		20

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

Laboratory Control Sample (LCS)

(LCS) R4261576-2 08/20/25 20:15

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	581	560	96.4	90.0-110	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4260025-1 08/17/25 15:10

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Nitrate-Nitrite	1.27	J	0.606	20.0

Laboratory Control Sample (LCS)

(LCS) R4260025-2 08/17/25 15:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	40.0	39.0	97.5	80.0-120	

L1889504-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1889504-06 08/17/25 16:30 • (MS) R4260025-3 08/17/25 16:44 • (MSD) R4260025-4 08/17/25 16:57

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 %
Nitrate-Nitrite	41.3	ND	59.8	56.9	107	100	1	80.0-120			4.83	15

Method Blank (MB)

(MB) R4260988-1 08/20/25 01:31

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

L1888999-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1888999-02 08/20/25 01:32 • (DUP) R4260988-3 08/20/25 01:32

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC By Walkley Black	53900	57000	10	5.67		20

L1889504-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1889504-12 08/20/25 01:37 • (DUP) R4260988-6 08/20/25 01:37

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC By Walkley Black	13400	15200	5	12.2		20

Laboratory Control Sample (LCS)

(LCS) R4260988-2 08/20/25 01:31

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC By Walkley Black	3230	4170	129	75.0-144	

L1888999-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1888999-18 08/20/25 01:35 • (MS) R4260988-4 08/20/25 01:35 • (MSD) R4260988-5 08/20/25 01:36

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC By Walkley Black	20000	20800	39800	40300	94.9	97.4	5	80.0-120			1.21	20

Method Blank (MB)

(MB) R4261973-1 08/21/25 14:19

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

L1889479-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1889479-13 08/21/25 14:19 • (DUP) R4261973-3 08/21/25 14:19

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC By Walkley Black	4150	4200	5	1.15		20

L1889504-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1889504-10 08/21/25 14:21 • (DUP) R4261973-6 08/21/25 14:21

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC By Walkley Black	13600	13600	5	0.515		20

Laboratory Control Sample (LCS)

(LCS) R4261973-2 08/21/25 14:19

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC By Walkley Black	3230	4310	134	75.0-144	

L1889504-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1889504-06 08/21/25 14:21 • (MS) R4261973-4 08/21/25 14:21 • (MSD) R4261973-5 08/21/25 14:21

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	7210	28700	29700	107	113	5	80.0-120			3.50	20

Method Blank (MB)

(MB) R4262257-1 08/21/25 23:20

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

L1889479-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1889479-11 08/21/25 23:22 • (DUP) R4262257-3 08/21/25 23:22

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC By Walkley Black	21900	23400	5	6.39		20

Laboratory Control Sample (LCS)

(LCS) R4262257-2 08/21/25 23:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC By Walkley Black	3230	2920	90.5	75.0-144	

L1889504-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1889504-07 08/21/25 23:24 • (MS) R4262257-4 08/21/25 23:24 • (MSD) R4262257-5 08/21/25 23:24

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	4000	25600	25200	108	106	5	80.0-120			1.47	20

Method Blank (MB)

(MB) R4261238-1 08/20/25 09:16

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) R4261238-2 08/20/25 09:18

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	1000	1010	101	80.0-120	
Antimony	100	100	100	80.0-120	
Beryllium	100	105	105	80.0-120	
Calcium	1000	1040	104	80.0-120	
Chromium	100	105	105	80.0-120	
Cobalt	100	99.0	99.0	80.0-120	
Iron	1000	1050	105	80.0-120	
Magnesium	1000	1040	104	80.0-120	
Manganese	100	106	106	80.0-120	
Potassium	1000	1030	103	80.0-120	
Sodium	1000	1030	103	80.0-120	
Thallium	100	105	105	80.0-120	
Vanadium	100	101	101	80.0-120	

L1889627-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1889627-06 08/20/25 09:20 • (MS) R4261238-5 08/20/25 09:24 • (MSD) R4261238-6 08/20/25 09:26

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	1040	6360	8280	8430	186	201	1	75.0-125	V	V	1.85	20
Antimony	104	ND	72.9	77.2	70.5	74.5	1	75.0-125	J6	J6	5.60	20
Beryllium	104	0.379	110	114	106	110	1	75.0-125			3.98	20
Calcium	1040	15900	15800	17200	0.000	130	1	75.0-125	V	V	8.44	20
Chromium	104	14.8	118	123	99.6	104	1	75.0-125			4.07	20
Cobalt	104	3.37	111	114	104	107	1	75.0-125			3.14	20
Iron	1040	10100	9720	9450	0.000	0.000	1	75.0-125	V	V	2.79	20
Magnesium	1040	2410	3270	3360	83.5	92.0	1	75.0-125			2.65	20
Manganese	104	179	255	262	73.0	80.1	1	75.0-125	J6		2.83	20
Potassium	1040	1950	2990	3060	100	106	1	75.0-125			2.13	20
Sodium	1040	108	1190	1240	104	110	1	75.0-125			4.55	20
Thallium	104	ND	67.3	113	65.0	109	1	75.0-125	J6	J3	50.7	20
Vanadium	104	16.1	119	123	99.6	104	1	75.0-125			3.48	20

Method Blank (MB)

(MB) R4260802-1 08/19/25 14:17

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	0.179	J	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) R4260802-2 08/19/25 14:19

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	1000	1040	104	80.0-120	
Antimony	100	103	103	80.0-120	
Beryllium	100	105	105	80.0-120	
Calcium	1000	1020	102	80.0-120	
Chromium	100	100	100	80.0-120	
Cobalt	100	103	103	80.0-120	
Iron	1000	1030	103	80.0-120	
Magnesium	1000	1040	104	80.0-120	
Manganese	100	108	108	80.0-120	
Potassium	1000	1050	105	80.0-120	
Sodium	1000	1030	103	80.0-120	
Thallium	100	106	106	80.0-120	
Vanadium	100	102	102	80.0-120	

L1889504-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1889504-06 08/19/25 14:21 • (MS) R4260802-5 08/19/25 14:26 • (MSD) R4260802-6 08/19/25 14:28

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 %
Aluminum	1030	7580	9730	9520	208	187	1	75.0-125	V	V	2.20	20
Antimony	103	ND	91.3	89.8	88.3	86.9	1	75.0-125			1.64	20
Beryllium	103	0.360	102	102	98.7	98.3	1	75.0-125			0.425	20
Calcium	1030	13500	7240	8160	0.000	0.000	1	75.0-125	V	V	12.0	20
Chromium	103	11.3	112	115	97.2	100	1	75.0-125			2.71	20
Cobalt	103	2.65	106	105	100	99.3	1	75.0-125			0.671	20
Iron	1030	10800	13600	24200	270	1300	1	75.0-125	V	J3 V	56.5	20
Magnesium	1030	2000	3200	3060	116	102	1	75.0-125			4.72	20
Manganese	103	179	310	336	127	152	1	75.0-125	J5	J5	7.96	20
Potassium	1030	1900	3000	2950	106	102	1	75.0-125			1.60	20
Sodium	1030	158	1160	1140	96.8	95.2	1	75.0-125			1.37	20
Thallium	103	ND	104	102	101	99.1	1	75.0-125			1.37	20
Vanadium	103	17.9	120	125	99.3	103	1	75.0-125			3.41	20

Method Blank (MB)

(MB) R4261318-1 08/20/25 11:46

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) R4261318-2 08/20/25 11:49 • (LCSD) R4261318-3 08/20/25 11:52

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Hot Water Sol. Boron	1.00	1.03	1.02	103	102	80.0-120			1.04	20

Method Blank (MB)

(MB) R4260727-1 08/19/25 15:07

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) R4260727-2 08/19/25 15:10

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	107	107	80.0-120	
Barium	100	111	111	80.0-120	
Cadmium	100	114	114	80.0-120	
Copper	100	107	107	80.0-120	
Lead	100	108	108	80.0-120	
Nickel	100	113	113	80.0-120	
Selenium	100	107	107	80.0-120	
Silver	20.0	23.0	115	80.0-120	
Zinc	100	107	107	80.0-120	

L1889504-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1889504-06 08/19/25 15:14 • (MS) R4260727-5 08/19/25 15:23 • (MSD) R4260727-6 08/19/25 15:26

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	103	3.70	111	115	104	108	5	75.0-125			3.36	20
Barium	103	86.3	182	178	92.9	88.6	5	75.0-125			2.48	20
Cadmium	103	0.226	113	116	110	112	5	75.0-125			2.27	20
Copper	103	ND	116	125	113	121	5	75.0-125			7.56	20
Lead	103	20.0	118	119	95.3	95.9	5	75.0-125			0.539	20
Nickel	103	ND	118	129	115	125	5	75.0-125			8.90	20
Selenium	103	0.404	109	108	105	104	5	75.0-125			0.360	20
Silver	20.7	ND	22.6	23.2	109	112	5	75.0-125			2.73	20

L1889504-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1889504-06 08/19/25 15:14 • (MS) R4260727-5 08/19/25 15:23 • (MSD) R4260727-6 08/19/25 15:26

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 %
Zinc	103	53.0	161	158	105	101	5	75.0-125			2.24	20

QUALITY CONTROL SUMMARY

L1889504-01,02,03,04,07,09,10,11,12

Method Blank (MB)

(MB) R4261193-1 08/20/25 11:52

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) R4261193-2 08/20/25 11:56

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	99.6	99.6	80.0-120	
Barium	100	97.9	97.9	80.0-120	
Cadmium	100	101	101	80.0-120	
Copper	100	101	101	80.0-120	
Lead	100	97.8	97.8	80.0-120	
Nickel	100	103	103	80.0-120	
Selenium	100	99.4	99.4	80.0-120	
Silver	20.0	21.3	106	80.0-120	
Zinc	100	99.8	99.8	80.0-120	

L1889627-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1889627-06 08/20/25 11:59 • (MS) R4261193-5 08/20/25 12:08 • (MSD) R4261193-6 08/20/25 12:11

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	104	3.00	113	115	106	108	5	75.0-125			1.81	20
Barium	104	84.4	167	172	79.4	84.8	5	75.0-125			3.31	20
Cadmium	104	0.203	111	114	107	110	5	75.0-125			2.61	20
Copper	104	13.5	122	125	105	107	5	75.0-125			2.01	20
Lead	104	ND	115	116	111	112	5	75.0-125			1.37	20
Nickel	104	ND	117	120	113	116	5	75.0-125			2.75	20
Selenium	104	0.440	107	110	103	106	5	75.0-125			2.85	20
Silver	20.7	ND	23.2	23.9	112	115	5	75.0-125			2.67	20

L1889627-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1889627-06 08/20/25 11:59 • (MS) R4261193-5 08/20/25 12:08 • (MSD) R4261193-6 08/20/25 12:11

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 %
Zinc	104	88.0	171	175	80.1	84.5	5	75.0-125			2.63	20

Method Blank (MB)

(MB) R4260012-2 08/17/25 05:34

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		2.00	2.50
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4260012-1 08/17/25 04:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	5.52	110	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*111*	*77.0-120*	

L1889504-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1889504-06 08/17/25 07:50 • (MS) R4260012-3 08/17/25 15:30 • (MSD) R4260012-4 08/17/25 15:58

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	133	ND	132	128	99.2	96.0	25	10.0-151			3.28	28
(S) a,a,a-Trifluorotoluene(FID)					*108*	*108*		*77.0-120*				

Method Blank (MB)

(MB) R4259973-2 08/16/25 15:11

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0469	0.0500
Acrolein	U		0.0250	0.0500
Acrylonitrile	U		0.00809	0.0100
Benzene	U		0.000320	0.00100
Bromobenzene	U		0.000277	0.00100
Bromodichloromethane	U		0.000371	0.00100
Bromoform	U		0.000548	0.00100
Bromomethane	U		0.00485	0.00500
n-Butylbenzene	U		0.000516	0.00100
sec-Butylbenzene	U		0.000355	0.00100
tert-Butylbenzene	U		0.000314	0.00100
Carbon tetrachloride	U		0.000360	0.00100
Chlorobenzene	U		0.000266	0.00100
Chlorodibromomethane	U		0.000398	0.00100
Chloroethane	U		0.00279	0.00500
Chloroform	U		0.00128	0.00500
Chloromethane	U		0.00170	0.00500
2-Chlorotoluene	U		0.000273	0.00100
4-Chlorotoluene	U		0.000256	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00125	0.00500
1,2-Dibromoethane	U		0.000341	0.00100
Dibromomethane	U		0.000422	0.00100
1,2-Dichlorobenzene	U		0.000304	0.00100
1,3-Dichlorobenzene	U		0.000282	0.00100
1,4-Dichlorobenzene	U		0.000277	0.00100
Dichlorodifluoromethane	U		0.00241	0.00500
1,1-Dichloroethane	U		0.000389	0.00100
1,2-Dichloroethane	U		0.000395	0.00100
1,1-Dichloroethene	U		0.000422	0.00100
cis-1,2-Dichloroethene	U		0.000323	0.00100
trans-1,2-Dichloroethene	U		0.000348	0.00100
1,2-Dichloropropane	U		0.000427	0.00100
1,1-Dichloropropene	U		0.000359	0.00100
1,3-Dichloropropane	U		0.000283	0.00100
cis-1,3-Dichloropropene	U		0.000348	0.00100
trans-1,3-Dichloropropene	U		0.000313	0.00100
2,2-Dichloropropane	U		0.000463	0.00100
Di-isopropyl ether	U		0.000105	0.00100
Ethylbenzene	U		0.000234	0.00100
Hexachloro-1,3-butadiene	U		0.000650	0.00200

Method Blank (MB)

(MB) R4259973-2 08/16/25 15:11

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000345	0.00100
2-Butanone (MEK)	U		0.00900	0.0200
Methylene Chloride	U		0.00148	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00752	0.0200
Methyl tert-butyl ether	U		0.000357	0.00100
Naphthalene	U		0.00264	0.00500
n-Propylbenzene	U		0.000239	0.00100
Styrene	U		0.000342	0.00100
1,1,1,2-Tetrachloroethane	U		0.000381	0.00100
1,1,2,2-Tetrachloroethane	U		0.000354	0.00100
1,1,2-Trichlorotrifluoroethane	U		0.000643	0.00100
Tetrachloroethene	U		0.000358	0.00100
Toluene	U		0.000274	0.00100
1,2,3-Trichlorobenzene	U		0.000935	0.00100
1,2,4-Trichlorobenzene	U		0.000691	0.00200
1,1,1-Trichloroethane	U		0.000336	0.00100
1,1,2-Trichloroethane	U		0.000375	0.00100
Trichloroethene	U		0.000383	0.00100
Trichlorofluoromethane	U		0.00304	0.00500
1,2,3-Trichloropropane	U		0.000602	0.00250
1,2,4-Trimethylbenzene	U		0.000274	0.00200
1,2,3-Trimethylbenzene	U		0.000339	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl chloride	U		0.000458	0.00100
Xylenes, Total	U		0.000319	0.00300
(S) Toluene-d8	*97.1*			*80.0-120*
(S) 4-Bromofluorobenzene	*98.1*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4259973-1 08/16/25 14:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.125	0.114	91.2	19.0-160	
Acrolein	0.125	0.0998	79.8	10.0-160	
Acrylonitrile	0.125	0.140	112	55.0-149	
Benzene	0.0250	0.0240	96.0	70.0-123	

Laboratory Control Sample (LCS)

(LCS) R4259973-1 08/16/25 14:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromobenzene	0.0250	0.0211	84.4	73.0-121	
Bromodichloromethane	0.0250	0.0267	107	75.0-120	
Bromoform	0.0250	0.0262	105	68.0-132	
Bromomethane	0.0250	0.0143	57.2	10.0-160	
n-Butylbenzene	0.0250	0.0213	85.2	73.0-125	
sec-Butylbenzene	0.0250	0.0212	84.8	75.0-125	
tert-Butylbenzene	0.0250	0.0221	88.4	76.0-124	
Carbon tetrachloride	0.0250	0.0272	109	68.0-126	
Chlorobenzene	0.0250	0.0232	92.8	80.0-121	
Chlorodibromomethane	0.0250	0.0255	102	77.0-125	
Chloroethane	0.0250	0.0234	93.6	47.0-150	
Chloroform	0.0250	0.0262	105	73.0-120	
Chloromethane	0.0250	0.0197	78.8	41.0-142	
2-Chlorotoluene	0.0250	0.0218	87.2	76.0-123	
4-Chlorotoluene	0.0250	0.0220	88.0	75.0-122	
1,2-Dibromo-3-Chloropropane	0.0250	0.0256	102	58.0-134	
1,2-Dibromoethane	0.0250	0.0244	97.6	80.0-122	
Dibromomethane	0.0250	0.0266	106	80.0-120	
1,2-Dichlorobenzene	0.0250	0.0231	92.4	79.0-121	
1,3-Dichlorobenzene	0.0250	0.0229	91.6	79.0-120	
1,4-Dichlorobenzene	0.0250	0.0230	92.0	79.0-120	
Dichlorodifluoromethane	0.0250	0.0237	94.8	51.0-149	
1,1-Dichloroethane	0.0250	0.0265	106	70.0-126	
1,2-Dichloroethane	0.0250	0.0295	118	70.0-128	
1,1-Dichloroethene	0.0250	0.0215	86.0	71.0-124	
cis-1,2-Dichloroethene	0.0250	0.0251	100	73.0-120	
trans-1,2-Dichloroethene	0.0250	0.0234	93.6	73.0-120	
1,2-Dichloropropane	0.0250	0.0251	100	77.0-125	
1,1-Dichloropropene	0.0250	0.0270	108	74.0-126	
1,3-Dichloropropane	0.0250	0.0231	92.4	80.0-120	
cis-1,3-Dichloropropene	0.0250	0.0259	104	80.0-123	
trans-1,3-Dichloropropene	0.0250	0.0242	96.8	78.0-124	
2,2-Dichloropropane	0.0250	0.0211	84.4	58.0-130	
Di-isopropyl ether	0.0250	0.0269	108	58.0-138	
Ethylbenzene	0.0250	0.0233	93.2	79.0-123	
Hexachloro-1,3-butadiene	0.0250	0.0206	82.4	54.0-138	
Isopropylbenzene	0.0250	0.0211	84.4	76.0-127	
p-Isopropyltoluene	0.0250	0.0215	86.0	76.0-125	
2-Butanone (MEK)	0.125	0.130	104	44.0-160	
Methylene Chloride	0.0250	0.0239	95.6	67.0-120	

Laboratory Control Sample (LCS)

(LCS) R4259973-1 08/16/25 14:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Methyl-2-pentanone (MIBK)	0.125	0.134	107	68.0-142	
Methyl tert-butyl ether	0.0250	0.0272	109	68.0-125	
Naphthalene	0.0250	0.0204	81.6	54.0-135	
n-Propylbenzene	0.0250	0.0215	86.0	77.0-124	
Styrene	0.0250	0.0245	98.0	73.0-130	
1,1,1,2-Tetrachloroethane	0.0250	0.0249	99.6	75.0-125	
1,1,2,2-Tetrachloroethane	0.0250	0.0168	67.2	65.0-130	
1,1,2-Trichlorotrifluoroethane	0.0250	0.0212	84.8	69.0-132	
Tetrachloroethene	0.0250	0.0242	96.8	72.0-132	
Toluene	0.0250	0.0223	89.2	79.0-120	
1,2,3-Trichlorobenzene	0.0250	0.0228	91.2	50.0-138	
1,2,4-Trichlorobenzene	0.0250	0.0240	96.0	57.0-137	
1,1,1-Trichloroethane	0.0250	0.0282	113	73.0-124	
1,1,2-Trichloroethane	0.0250	0.0235	94.0	80.0-120	
Trichloroethene	0.0250	0.0282	113	78.0-124	
Trichlorofluoromethane	0.0250	0.0267	107	59.0-147	
1,2,3-Trichloropropane	0.0250	0.0242	96.8	73.0-130	
1,2,4-Trimethylbenzene	0.0250	0.0222	88.8	76.0-121	
1,2,3-Trimethylbenzene	0.0250	0.0231	92.4	77.0-120	
1,3,5-Trimethylbenzene	0.0250	0.0223	89.2	76.0-122	
Vinyl chloride	0.0250	0.0215	86.0	67.0-131	
Xylenes, Total	0.0750	0.0712	94.9	79.0-123	
(S) Toluene-d8			*93.6*	*80.0-120*	
(S) 4-Bromofluorobenzene			*101*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*127*	*70.0-130*	

L1889454-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1889454-11 08/16/25 22:40 • (MS) R4259973-3 08/17/25 00:25 • (MSD) R4259973-4 08/17/25 00:46

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	ND	0.0980	0.101	78.4	80.8	1	10.0-160			3.02	35
Acrolein	0.125	ND	0.130	0.134	104	107	1	10.0-160			3.03	39
Acrylonitrile	0.125	ND	0.132	0.141	106	113	1	21.0-160			6.59	32
Benzene	0.0250	ND	0.0244	0.0254	97.6	102	1	17.0-158			4.02	27
Bromobenzene	0.0250	ND	0.0201	0.0214	80.4	85.6	1	30.0-149			6.27	28
Bromodichloromethane	0.0250	ND	0.0283	0.0293	113	117	1	31.0-150			3.47	27
Bromoform	0.0250	ND	0.0251	0.0261	100	104	1	29.0-150			3.91	29
Bromomethane	0.0250	ND	0.0169	0.0154	67.6	61.6	1	10.0-160			9.29	38

L1889454-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1889454-11 08/16/25 22:40 • (MS) R4259973-3 08/17/25 00:25 • (MSD) R4259973-4 08/17/25 00:46

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
n-Butylbenzene	0.0250	ND	0.0218	0.0224	87.2	89.6	1	31.0-150			2.71	30
sec-Butylbenzene	0.0250	ND	0.0219	0.0227	87.6	90.8	1	33.0-155			3.59	29
tert-Butylbenzene	0.0250	ND	0.0223	0.0237	89.2	94.8	1	34.0-153			6.09	28
Carbon tetrachloride	0.0250	ND	0.0318	0.0325	127	130	1	23.0-159			2.18	28
Chlorobenzene	0.0250	ND	0.0235	0.0247	94.0	98.8	1	33.0-152			4.98	27
Chlorodibromomethane	0.0250	ND	0.0256	0.0260	102	104	1	37.0-149			1.55	27
Chloroethane	0.0250	ND	0.0229	0.0257	91.6	103	1	10.0-160			11.5	30
Chloroform	0.0250	ND	0.0278	0.0294	111	118	1	29.0-154			5.59	28
Chloromethane	0.0250	ND	0.0177	0.0191	70.8	76.4	1	10.0-160			7.61	29
2-Chlorotoluene	0.0250	ND	0.0215	0.0226	86.0	90.4	1	32.0-153			4.99	28
4-Chlorotoluene	0.0250	ND	0.0214	0.0223	85.6	89.2	1	32.0-150			4.12	28
1,2-Dibromo-3-Chloropropane	0.0250	ND	0.0229	0.0249	91.6	99.6	1	22.0-151			8.37	34
1,2-Dibromoethane	0.0250	ND	0.0234	0.0240	93.6	96.0	1	34.0-147			2.53	27
Dibromomethane	0.0250	ND	0.0263	0.0281	105	112	1	30.0-151			6.62	27
1,2-Dichlorobenzene	0.0250	ND	0.0229	0.0237	91.6	94.8	1	34.0-149			3.43	28
1,3-Dichlorobenzene	0.0250	ND	0.0225	0.0235	90.0	94.0	1	36.0-146			4.35	27
1,4-Dichlorobenzene	0.0250	ND	0.0228	0.0240	91.2	96.0	1	35.0-142			5.13	27
Dichlorodifluoromethane	0.0250	ND	0.0211	0.0211	84.4	84.4	1	10.0-160			0.000	29
1,1-Dichloroethane	0.0250	ND	0.0267	0.0281	107	112	1	25.0-158			5.11	27
1,2-Dichloroethane	0.0250	ND	0.0308	0.0314	123	126	1	29.0-151			1.93	27
1,1-Dichloroethene	0.0250	ND	0.0250	0.0260	100	104	1	11.0-160			3.92	29
cis-1,2-Dichloroethene	0.0250	ND	0.0248	0.0270	99.2	108	1	10.0-160			8.49	27
trans-1,2-Dichloroethene	0.0250	ND	0.0252	0.0258	101	103	1	17.0-153			2.35	27
1,2-Dichloropropane	0.0250	ND	0.0252	0.0268	101	107	1	30.0-156			6.15	27
1,1-Dichloropropene	0.0250	ND	0.0260	0.0270	104	108	1	25.0-158			3.77	27
1,3-Dichloropropane	0.0250	ND	0.0225	0.0233	90.0	93.2	1	38.0-147			3.49	27
cis-1,3-Dichloropropene	0.0250	ND	0.0251	0.0268	100	107	1	34.0-149			6.55	28
trans-1,3-Dichloropropene	0.0250	ND	0.0242	0.0252	96.8	101	1	32.0-149			4.05	28
2,2-Dichloropropane	0.0250	ND	0.0287	0.0282	115	113	1	24.0-152			1.76	29
Di-isopropyl ether	0.0250	ND	0.0276	0.0294	110	118	1	21.0-160			6.32	28
Ethylbenzene	0.0250	ND	0.0242	0.0250	96.8	100	1	30.0-155			3.25	27
Hexachloro-1,3-butadiene	0.0250	ND	0.0236	0.0251	94.4	100	1	20.0-154			6.16	34
Isopropylbenzene	0.0250	ND	0.0254	0.0258	102	103	1	28.0-157			1.56	27
p-Isopropyltoluene	0.0250	ND	0.0229	0.0240	91.6	96.0	1	30.0-154			4.69	29
2-Butanone (MEK)	0.125	ND	0.118	0.127	94.4	102	1	10.0-160			7.35	32
Methylene Chloride	0.0250	ND	0.0240	0.0252	96.0	101	1	23.0-144			4.88	28
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.131	0.140	105	112	1	29.0-160			6.64	29
Methyl tert-butyl ether	0.0250	ND	0.0272	0.0289	109	116	1	28.0-150			6.06	29
Naphthalene	0.0250	ND	0.0182	0.0196	72.8	78.4	1	12.0-156			7.41	35
n-Propylbenzene	0.0250	ND	0.0215	0.0223	86.0	89.2	1	31.0-154			3.65	28

L1889454-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1889454-11 08/16/25 22:40 • (MS) R4259973-3 08/17/25 00:25 • (MSD) R4259973-4 08/17/25 00:46

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Styrene	0.0250	ND	0.0241	0.0253	96.4	101	1	33.0-155			4.86	28
1,1,1,2-Tetrachloroethane	0.0250	ND	0.0255	0.0272	102	109	1	36.0-151			6.45	29
1,1,2,2-Tetrachloroethane	0.0250	ND	0.0194	0.0213	77.6	85.2	1	33.0-150			9.34	28
1,1,2-Trichlorotrifluoroethane	0.0250	ND	0.0262	0.0268	105	107	1	23.0-160			2.26	30
Tetrachloroethene	0.0250	ND	0.0260	0.0262	104	105	1	10.0-160			0.766	27
Toluene	0.0250	ND	0.0229	0.0236	91.6	94.4	1	26.0-154			3.01	28
1,2,3-Trichlorobenzene	0.0250	ND	0.0205	0.0219	82.0	87.6	1	17.0-150			6.60	36
1,2,4-Trichlorobenzene	0.0250	ND	0.0228	0.0234	91.2	93.6	1	24.0-150			2.60	33
1,1,1-Trichloroethane	0.0250	ND	0.0317	0.0329	127	132	1	23.0-160			3.72	28
1,1,2-Trichloroethane	0.0250	ND	0.0234	0.0238	93.6	95.2	1	35.0-147			1.69	27
Trichloroethene	0.0250	ND	0.0258	0.0267	103	107	1	10.0-160			3.43	25
Trichlorofluoromethane	0.0250	ND	0.0297	0.0304	119	122	1	17.0-160			2.33	31
1,2,3-Trichloropropane	0.0250	ND	0.0226	0.0241	90.4	96.4	1	34.0-151			6.42	29
1,2,4-Trimethylbenzene	0.0250	ND	0.0225	0.0238	90.0	95.2	1	26.0-154			5.62	27
1,2,3-Trimethylbenzene	0.0250	ND	0.0222	0.0233	88.8	93.2	1	32.0-149			4.84	28
1,3,5-Trimethylbenzene	0.0250	ND	0.0223	0.0236	89.2	94.4	1	28.0-153			5.66	27
Vinyl chloride	0.0250	ND	0.0206	0.0215	82.4	86.0	1	10.0-160			4.28	27
Xylenes, Total	0.0750	ND	0.0733	0.0747	97.7	99.6	1	29.0-154			1.89	28
(S) Toluene-d8					*94.5*	*93.8*		*80.0-120*				
(S) 4-Bromofluorobenzene					*102*	*99.5*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*134*	*132*		*70.0-130*	J1	J1		

Method Blank (MB)

(MB) R4260774-2 08/17/25 09:57

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0469	0.0500
Acrolein	U		0.0250	0.0500
Acrylonitrile	U		0.00809	0.0100
Benzene	U		0.000320	0.00100
Bromobenzene	U		0.000277	0.00100
Bromodichloromethane	U		0.000371	0.00100
Bromoform	U		0.000548	0.00100
Bromomethane	U		0.00485	0.00500
n-Butylbenzene	U		0.000516	0.00100
sec-Butylbenzene	U		0.000355	0.00100
tert-Butylbenzene	U		0.000314	0.00100
Carbon tetrachloride	U		0.000360	0.00100
Chlorobenzene	U		0.000266	0.00100
Chlorodibromomethane	U		0.000398	0.00100
Chloroethane	U		0.00279	0.00500
Chloroform	U		0.00128	0.00500
Chloromethane	U		0.00170	0.00500
2-Chlorotoluene	U		0.000273	0.00100
4-Chlorotoluene	U		0.000256	0.00100
1,2-Dibromoethane	U		0.000341	0.00100
Dibromomethane	U		0.000422	0.00100
1,2-Dichlorobenzene	U		0.000304	0.00100
1,3-Dichlorobenzene	U		0.000282	0.00100
1,4-Dichlorobenzene	U		0.000277	0.00100
Dichlorodifluoromethane	U		0.00241	0.00500
1,1-Dichloroethane	U		0.000389	0.00100
1,2-Dichloroethane	U		0.000395	0.00100
1,1-Dichloroethene	U		0.000422	0.00100
cis-1,2-Dichloroethene	U		0.000323	0.00100
trans-1,2-Dichloroethene	U		0.000348	0.00100
1,2-Dichloropropane	U		0.000427	0.00100
1,1-Dichloropropene	U		0.000359	0.00100
1,3-Dichloropropane	U		0.000283	0.00100
cis-1,3-Dichloropropene	U		0.000348	0.00100
trans-1,3-Dichloropropene	U		0.000313	0.00100
2,2-Dichloropropane	U		0.000463	0.00100
Di-isopropyl ether	U		0.000105	0.00100
Ethylbenzene	U		0.000234	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000345	0.00100

Method Blank (MB)

(MB) R4260774-2 08/17/25 09:57

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
2-Butanone (MEK)	U		0.00900	0.0200
Methylene Chloride	U		0.00148	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00752	0.0200
Methyl tert-butyl ether	U		0.000357	0.00100
Naphthalene	U		0.00264	0.00500
n-Propylbenzene	U		0.000239	0.00100
Styrene	U		0.000342	0.00100
1,1,1,2-Tetrachloroethane	U		0.000381	0.00100
1,1,2,2-Tetrachloroethane	U		0.000354	0.00100
1,1,2-Trichlorotrifluoroethane	U		0.000643	0.00100
Tetrachloroethene	U		0.000358	0.00100
Toluene	U		0.000274	0.00100
1,2,3-Trichlorobenzene	U		0.000935	0.00100
1,2,4-Trichlorobenzene	U		0.000691	0.00200
1,1,1-Trichloroethane	U		0.000336	0.00100
1,1,2-Trichloroethane	U		0.000375	0.00100
Trichloroethene	U		0.000383	0.00100
Trichlorofluoromethane	U		0.00304	0.00500
1,2,3-Trichloropropane	U		0.000602	0.00250
1,2,4-Trimethylbenzene	U		0.000274	0.00200
1,2,3-Trimethylbenzene	U		0.000339	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl chloride	U		0.000458	0.00100
Xylenes, Total	U		0.000319	0.00300
(S) Toluene-d8	*98.8*			*80.0-120*
(S) 4-Bromofluorobenzene	*103*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*92.9*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4260774-1 08/17/25 07:59

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.125	0.124	99.2	19.0-160	
Acrolein	0.125	0.124	99.2	10.0-160	
Acrylonitrile	0.125	0.100	80.0	55.0-149	
Benzene	0.0250	0.0274	110	70.0-123	
Bromobenzene	0.0250	0.0219	87.6	73.0-121	
Bromodichloromethane	0.0250	0.0276	110	75.0-120	

Laboratory Control Sample (LCS)

(LCS) R4260774-1 08/17/25 07:59

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromoform	0.0250	0.0215	86.0	68.0-132	
Bromomethane	0.0250	0.0159	63.6	10.0-160	
n-Butylbenzene	0.0250	0.0217	86.8	73.0-125	
sec-Butylbenzene	0.0250	0.0215	86.0	75.0-125	
tert-Butylbenzene	0.0250	0.0219	87.6	76.0-124	
Carbon tetrachloride	0.0250	0.0261	104	68.0-126	
Chlorobenzene	0.0250	0.0215	86.0	80.0-121	
Chlorodibromomethane	0.0250	0.0230	92.0	77.0-125	
Chloroethane	0.0250	0.0240	96.0	47.0-150	
Chloroform	0.0250	0.0275	110	73.0-120	
Chloromethane	0.0250	0.0166	66.4	41.0-142	
2-Chlorotoluene	0.0250	0.0221	88.4	76.0-123	
4-Chlorotoluene	0.0250	0.0218	87.2	75.0-122	
1,2-Dibromoethane	0.0250	0.0216	86.4	80.0-122	
Dibromomethane	0.0250	0.0268	107	80.0-120	
1,2-Dichlorobenzene	0.0250	0.0207	82.8	79.0-121	
1,3-Dichlorobenzene	0.0250	0.0210	84.0	79.0-120	
1,4-Dichlorobenzene	0.0250	0.0206	82.4	79.0-120	
Dichlorodifluoromethane	0.0250	0.0176	70.4	51.0-149	
1,1-Dichloroethane	0.0250	0.0280	112	70.0-126	
1,2-Dichloroethane	0.0250	0.0271	108	70.0-128	
1,1-Dichloroethene	0.0250	0.0267	107	71.0-124	
cis-1,2-Dichloroethene	0.0250	0.0276	110	73.0-120	
trans-1,2-Dichloroethene	0.0250	0.0279	112	73.0-120	
1,2-Dichloropropane	0.0250	0.0294	118	77.0-125	
1,1-Dichloropropene	0.0250	0.0287	115	74.0-126	
1,3-Dichloropropane	0.0250	0.0211	84.4	80.0-120	
cis-1,3-Dichloropropene	0.0250	0.0268	107	80.0-123	
trans-1,3-Dichloropropene	0.0250	0.0224	89.6	78.0-124	
2,2-Dichloropropane	0.0250	0.0254	102	58.0-130	
Di-isopropyl ether	0.0250	0.0280	112	58.0-138	
Ethylbenzene	0.0250	0.0226	90.4	79.0-123	
Isopropylbenzene	0.0250	0.0231	92.4	76.0-127	
p-Isopropyltoluene	0.0250	0.0222	88.8	76.0-125	
2-Butanone (MEK)	0.125	0.110	88.0	44.0-160	
Methylene Chloride	0.0250	0.0268	107	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.125	0.0944	75.5	68.0-142	
Methyl tert-butyl ether	0.0250	0.0266	106	68.0-125	
Naphthalene	0.0250	0.0150	60.0	54.0-135	
n-Propylbenzene	0.0250	0.0219	87.6	77.0-124	

Laboratory Control Sample (LCS)

(LCS) R4260774-1 08/17/25 07:59

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Styrene	0.0250	0.0237	94.8	73.0-130	
1,1,1,2-Tetrachloroethane	0.0250	0.0233	93.2	75.0-125	
1,1,2,2-Tetrachloroethane	0.0250	0.0173	69.2	65.0-130	
1,1,2-Trichlorotrifluoroethane	0.0250	0.0255	102	69.0-132	
Tetrachloroethene	0.0250	0.0220	88.0	72.0-132	
Toluene	0.0250	0.0218	87.2	79.0-120	
1,2,3-Trichlorobenzene	0.0250	0.0179	71.6	50.0-138	
1,2,4-Trichlorobenzene	0.0250	0.0192	76.8	57.0-137	
1,1,1-Trichloroethane	0.0250	0.0282	113	73.0-124	
1,1,2-Trichloroethane	0.0250	0.0209	83.6	80.0-120	
Trichloroethene	0.0250	0.0303	121	78.0-124	
Trichlorofluoromethane	0.0250	0.0182	72.8	59.0-147	
1,2,3-Trichloropropane	0.0250	0.0202	80.8	73.0-130	
1,2,4-Trimethylbenzene	0.0250	0.0218	87.2	76.0-121	
1,2,3-Trimethylbenzene	0.0250	0.0219	87.6	77.0-120	
1,3,5-Trimethylbenzene	0.0250	0.0219	87.6	76.0-122	
Vinyl chloride	0.0250	0.0217	86.8	67.0-131	
Xylenes, Total	0.0750	0.0688	91.7	79.0-123	
(S) Toluene-d8			*90.8*	*80.0-120*	
(S) 4-Bromofluorobenzene			*101*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*98.2*	*70.0-130*	

Method Blank (MB)

(MB) R4261543-2 08/20/25 12:03

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,2-Dibromo-3-Chloropropane	U		0.00125	0.00500
Hexachloro-1,3-butadiene	U		0.000650	0.00200
(S) Toluene-d8	*95.8*			*80.0-120*
(S) 4-Bromofluorobenzene	*96.9*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*98.4*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4261543-1 08/20/25 10:17

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,2-Dibromo-3-Chloropropane	0.0250	0.0211	84.4	58.0-134	
Hexachloro-1,3-butadiene	0.0250	0.0202	80.8	54.0-138	
(S) Toluene-d8			*88.6*	*80.0-120*	
(S) 4-Bromofluorobenzene			*96.6*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*112*	*70.0-130*	

Method Blank (MB)

(MB) R4260085-3 08/17/25 06:18

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0697	0.100
Acrylonitrile	U		0.00803	0.0125
Benzene	U		0.000711	0.00100
Bromobenzene	U		0.00390	0.0125
Bromodichloromethane	U		0.00117	0.00250
Bromoform	U		0.00992	0.0250
Bromomethane	U		0.0101	0.0125
n-Butylbenzene	U		0.00625	0.0125
sec-Butylbenzene	U		0.00383	0.0125
tert-Butylbenzene	U		0.00189	0.00500
Carbon tetrachloride	U		0.00301	0.00500
Chlorobenzene	U		0.000858	0.00250
Chlorodibromomethane	U		0.00161	0.00250
Chloroethane	U		0.00569	0.0100
Chloroform	U		0.00162	0.00250
Chloromethane	U		0.00850	0.0125
2-Chlorotoluene	U		0.00129	0.00250
4-Chlorotoluene	U		0.00154	0.00500
1,2-Dibromo-3-Chloropropane	U		0.0107	0.0250
1,2-Dibromoethane	U		0.00126	0.00250
Dibromomethane	U		0.00178	0.00500
1,2-Dichlorobenzene	U		0.00156	0.00500
1,3-Dichlorobenzene	U		0.00165	0.00500
1,4-Dichlorobenzene	U		0.00175	0.00500
Dichlorodifluoromethane	U		0.00435	0.00500
1,1-Dichloroethane	U		0.00101	0.00250
1,2-Dichloroethane	U		0.00146	0.00250
1,1-Dichloroethene	U		0.00153	0.00250
cis-1,2-Dichloroethene	U		0.00129	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00192	0.00500
1,1-Dichloropropene	U		0.00138	0.00500
1,3-Dichloropropane	U		0.00162	0.00500
cis-1,3-Dichloropropene	U		0.00105	0.00250
trans-1,3-Dichloropropene	U		0.00105	0.00500
2,2-Dichloropropane	U		0.00202	0.00250
Di-isopropyl ether	U		0.000769	0.00100
Ethylbenzene	U		0.000987	0.00250
Hexachloro-1,3-butadiene	U		0.0104	0.0250
Isopropylbenzene	U		0.00101	0.00250

Method Blank (MB)

(MB) R4260085-3 08/17/25 06:18

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00213	0.00500
2-Butanone (MEK)	U		0.0887	0.100
Methylene Chloride	U		0.0110	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00992	0.0250
Methyl tert-butyl ether	U		0.000773	0.00100
n-Propylbenzene	U		0.00169	0.00500
Styrene	U		0.00445	0.0125
1,1,1,2-Tetrachloroethane	U		0.00130	0.00250
1,1,2,2-Tetrachloroethane	U		0.00116	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.00281	0.00500
Tetrachloroethene	U		0.00152	0.00250
Toluene	U		0.00289	0.00500
1,2,3-Trichlorobenzene	U		0.00699	0.0125
1,2,4-Trichlorobenzene	U		0.00542	0.0125
1,1,1-Trichloroethane	U		0.00145	0.00250
1,1,2-Trichloroethane	U		0.00134	0.00250
Trichloroethene	U		0.000891	0.00100
Trichlorofluoromethane	U		0.00261	0.00400
1,2,3-Trichloropropane	U		0.00612	0.0125
1,2,3-Trimethylbenzene	U		0.00182	0.00500
1,2,4-Trimethylbenzene	U		0.00238	0.00500
1,3,5-Trimethylbenzene	U		0.00228	0.00500
Vinyl chloride	U		0.00201	0.00250
Xylenes, Total	U		0.00280	0.00650
(S) Toluene-d8	*98.9*			*75.0-131*
(S) 4-Bromofluorobenzene	*99.1*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*

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

(LCS) R4260085-1 08/17/25 04:37 • (LCSD) R4260085-2 08/17/25 04:57

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	3.13	2.97	4.72	94.9	151	10.0-160		J3	45.5	31
Acrylonitrile	3.13	3.19	2.85	102	91.1	45.0-153			11.3	22
Benzene	0.625	0.582	0.509	93.1	81.4	70.0-123			13.4	20
Bromobenzene	0.625	0.576	0.521	92.2	83.4	73.0-121			10.0	20
Bromodichloromethane	0.625	0.606	0.555	97.0	88.8	73.0-121			8.79	20
Bromoform	0.625	0.515	0.479	82.4	76.6	64.0-132			7.24	20

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

(LCS) R4260085-1 08/17/25 04:37 • (LCSD) R4260085-2 08/17/25 04:57

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	0.625	0.543	0.461	86.9	73.8	56.0-147			16.3	20
n-Butylbenzene	0.625	0.597	0.522	95.5	83.5	68.0-135			13.4	20
sec-Butylbenzene	0.625	0.597	0.532	95.5	85.1	74.0-130			11.5	20
tert-Butylbenzene	0.625	0.604	0.531	96.6	85.0	75.0-127			12.9	20
Carbon tetrachloride	0.625	0.701	0.622	112	99.5	66.0-128			11.9	20
Chlorobenzene	0.625	0.556	0.509	89.0	81.4	76.0-128			8.83	20
Chlorodibromomethane	0.625	0.569	0.519	91.0	83.0	74.0-127			9.19	20
Chloroethane	0.625	0.636	0.581	102	93.0	61.0-134			9.04	20
Chloroform	0.625	0.594	0.545	95.0	87.2	72.0-123			8.60	20
Chloromethane	0.625	0.517	0.436	82.7	69.8	51.0-138			17.0	20
2-Chlorotoluene	0.625	0.612	0.555	97.9	88.8	75.0-124			9.77	20
4-Chlorotoluene	0.625	0.598	0.531	95.7	85.0	75.0-124			11.9	20
1,2-Dibromo-3-Chloropropane	0.625	0.492	0.437	78.7	69.9	59.0-130			11.8	20
1,2-Dibromoethane	0.625	0.570	0.518	91.2	82.9	74.0-128			9.56	20
Dibromomethane	0.625	0.619	0.545	99.0	87.2	75.0-122			12.7	20
1,2-Dichlorobenzene	0.625	0.609	0.548	97.4	87.7	76.0-124			10.5	20
1,3-Dichlorobenzene	0.625	0.584	0.521	93.4	83.4	76.0-125			11.4	20
1,4-Dichlorobenzene	0.625	0.599	0.536	95.8	85.8	77.0-121			11.1	20
Dichlorodifluoromethane	0.625	0.640	0.475	102	76.0	43.0-156		J3	29.6	20
1,1-Dichloroethane	0.625	0.702	0.606	112	97.0	70.0-127			14.7	20
1,2-Dichloroethane	0.625	0.659	0.585	105	93.6	65.0-131			11.9	20
1,1-Dichloroethene	0.625	0.646	0.616	103	98.6	65.0-131			4.75	20
cis-1,2-Dichloroethene	0.625	0.623	0.545	99.7	87.2	73.0-125			13.4	20
trans-1,2-Dichloroethene	0.625	0.583	0.552	93.3	88.3	71.0-125			5.46	20
1,2-Dichloropropane	0.625	0.624	0.560	99.8	89.6	74.0-125			10.8	20
1,1-Dichloropropene	0.625	0.719	0.578	115	92.5	73.0-125		J3	21.7	20
1,3-Dichloropropane	0.625	0.575	0.537	92.0	85.9	80.0-125			6.83	20
cis-1,3-Dichloropropene	0.625	0.620	0.548	99.2	87.7	76.0-127			12.3	20
trans-1,3-Dichloropropene	0.625	0.534	0.481	85.4	77.0	73.0-127			10.4	20
2,2-Dichloropropane	0.625	0.562	0.472	89.9	75.5	59.0-135			17.4	20
Di-isopropyl ether	0.625	0.601	0.561	96.2	89.8	60.0-136			6.88	20
Ethylbenzene	0.625	0.574	0.523	91.8	83.7	74.0-126			9.30	20
Hexachloro-1,3-butadiene	0.625	0.606	0.547	97.0	87.5	57.0-150			10.2	20
Isopropylbenzene	0.625	0.529	0.531	84.6	85.0	72.0-127			0.377	20
p-Isopropyltoluene	0.625	0.596	0.550	95.4	88.0	72.0-133			8.03	20
2-Butanone (MEK)	3.13	1.96	2.38	62.6	76.0	30.0-160			19.4	24
Methylene Chloride	0.625	0.563	0.504	90.1	80.6	68.0-123			11.1	20
4-Methyl-2-pentanone (MIBK)	3.13	2.55	2.44	81.5	78.0	56.0-143			4.41	20
Methyl tert-butyl ether	0.625	0.575	0.527	92.0	84.3	66.0-132			8.71	20
n-Propylbenzene	0.625	0.579	0.519	92.6	83.0	74.0-126			10.9	20

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

(LCS) R4260085-1 08/17/25 04:37 • (LCSD) R4260085-2 08/17/25 04:57

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	0.625	0.590	0.535	94.4	85.6	72.0-127			9.78	20
1,1,1,2-Tetrachloroethane	0.625	0.574	0.517	91.8	82.7	74.0-129			10.4	20
1,1,2,2-Tetrachloroethane	0.625	0.527	0.471	84.3	75.4	68.0-128			11.2	20
1,1,2-Trichlorotrifluoroethane	0.625	0.575	0.552	92.0	88.3	61.0-139			4.08	20
Tetrachloroethene	0.625	0.582	0.530	93.1	84.8	70.0-136			9.35	20
Toluene	0.625	0.561	0.515	89.8	82.4	75.0-121			8.55	20
1,2,3-Trichlorobenzene	0.625	0.454	0.398	72.6	63.7	59.0-139			13.1	20
1,2,4-Trichlorobenzene	0.625	0.570	0.496	91.2	79.4	62.0-137			13.9	20
1,1,1-Trichloroethane	0.625	0.647	0.582	104	93.1	69.0-126			10.6	20
1,1,2-Trichloroethane	0.625	0.542	0.499	86.7	79.8	78.0-123			8.26	20
Trichloroethene	0.625	0.626	0.561	100	89.8	76.0-126			11.0	20
Trichlorofluoromethane	0.625	0.629	0.550	101	88.0	61.0-142			13.4	20
1,2,3-Trichloropropane	0.625	0.592	0.501	94.7	80.2	67.0-129			16.7	20
1,2,3-Trimethylbenzene	0.625	0.593	0.524	94.9	83.8	74.0-124			12.4	20
1,2,4-Trimethylbenzene	0.625	0.572	0.527	91.5	84.3	70.0-126			8.19	20
1,3,5-Trimethylbenzene	0.625	0.587	0.532	93.9	85.1	73.0-127			9.83	20
Vinyl chloride	0.625	0.611	0.526	97.8	84.2	63.0-134			15.0	20
Xylenes, Total	1.88	1.72	1.55	91.5	82.4	72.0-127			10.4	20
(S) Toluene-d8				*95.5*	*95.8*	*75.0-131*				
(S) 4-Bromofluorobenzene				*95.2*	*95.5*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*110*	*109*	*70.0-130*				

L1889504-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1889504-06 08/17/25 09:41 • (MS) R4260085-4 08/17/25 13:26 • (MSD) R4260085-5 08/17/25 13:46

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	3.34	ND	2.76	2.87	82.7	85.9	1	10.0-160			3.79	40
Acrylonitrile	3.34	ND	3.70	3.72	111	112	1	10.0-160			0.575	40
Benzene	0.667	ND	0.642	0.626	96.3	93.9	1	10.0-149			2.52	37
Bromobenzene	0.667	ND	0.638	0.639	95.7	95.8	1	10.0-156			0.167	38
Bromodichloromethane	0.667	ND	0.655	0.648	98.2	97.1	1	10.0-143			1.15	37
Bromoform	0.667	ND	0.588	0.583	88.2	87.4	1	10.0-146			0.912	36
Bromomethane	0.667	ND	0.337	0.468	50.6	70.2	1	10.0-149			32.6	38
n-Butylbenzene	0.667	ND	0.636	0.655	95.4	98.2	1	10.0-160			2.98	40
sec-Butylbenzene	0.667	ND	0.648	0.661	97.1	99.0	1	10.0-159			1.96	39
tert-Butylbenzene	0.667	ND	0.648	0.654	97.1	98.1	1	10.0-156			0.984	39
Carbon tetrachloride	0.667	ND	0.739	0.738	111	111	1	10.0-145			0.144	37
Chlorobenzene	0.667	ND	0.642	0.630	96.3	94.4	1	10.0-152			2.01	39

L1889504-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1889504-06 08/17/25 09:41 • (MS) R4260085-4 08/17/25 13:26 • (MSD) R4260085-5 08/17/25 13:46

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	0.667	ND	0.641	0.633	96.2	94.9	1	10.0-146			1.34	37
Chloroethane	0.667	ND	0.439	0.418	65.8	62.7	1	10.0-146			4.73	40
Chloroform	0.667	ND	0.650	0.642	97.4	96.3	1	10.0-146			1.16	37
Chloromethane	0.667	ND	0.597	0.554	89.4	83.0	1	10.0-159			7.42	37
2-Chlorotoluene	0.667	ND	0.641	0.639	96.2	95.8	1	10.0-159			0.333	38
4-Chlorotoluene	0.667	ND	0.648	0.645	97.1	96.6	1	10.0-155			0.495	39
1,2-Dibromo-3-Chloropropane	0.667	ND	0.525	0.552	78.7	82.7	1	10.0-151			4.96	39
1,2-Dibromoethane	0.667	ND	0.652	0.641	97.8	96.2	1	10.0-148			1.65	34
Dibromomethane	0.667	ND	0.679	0.679	102	102	1	10.0-147			0.000	35
1,2-Dichlorobenzene	0.667	ND	0.670	0.675	100	101	1	10.0-155			0.793	37
1,3-Dichlorobenzene	0.667	ND	0.632	0.638	94.7	95.7	1	10.0-153			1.01	38
1,4-Dichlorobenzene	0.667	ND	0.645	0.653	96.6	97.9	1	10.0-151			1.32	38
Dichlorodifluoromethane	0.667	ND	0.606	0.535	90.9	80.2	1	10.0-160			12.5	35
1,1-Dichloroethane	0.667	ND	0.721	0.735	108	110	1	10.0-147			1.90	37
1,2-Dichloroethane	0.667	ND	0.693	0.679	104	102	1	10.0-148			2.02	35
1,1-Dichloroethene	0.667	ND	0.772	0.757	116	113	1	10.0-155			1.96	37
cis-1,2-Dichloroethene	0.667	ND	0.702	0.693	105	104	1	10.0-149			1.38	37
trans-1,2-Dichloroethene	0.667	ND	0.695	0.671	104	101	1	10.0-150			3.44	37
1,2-Dichloropropane	0.667	ND	0.680	0.688	102	103	1	10.0-148			1.25	37
1,1-Dichloropropene	0.667	ND	0.719	0.741	108	111	1	10.0-153			2.92	35
1,3-Dichloropropane	0.667	ND	0.670	0.651	100	97.6	1	10.0-154			2.91	35
cis-1,3-Dichloropropene	0.667	ND	0.659	0.656	98.9	98.4	1	10.0-151			0.487	37
trans-1,3-Dichloropropene	0.667	ND	0.585	0.576	87.7	86.4	1	10.0-148			1.47	37
2,2-Dichloropropane	0.667	ND	0.536	0.528	80.3	79.2	1	10.0-138			1.40	36
Di-isopropyl ether	0.667	ND	0.651	0.668	97.6	100	1	10.0-147			2.59	36
Ethylbenzene	0.667	ND	0.655	0.647	98.2	97.0	1	10.0-160			1.31	38
Hexachloro-1,3-butadiene	0.667	ND	0.664	0.748	99.5	112	1	10.0-160			11.9	40
Isopropylbenzene	0.667	ND	0.677	0.673	101	101	1	10.0-155			0.474	38
p-Isopropyltoluene	0.667	ND	0.665	0.673	99.7	101	1	10.0-160			1.28	40
2-Butanone (MEK)	3.34	ND	2.59	2.52	77.6	75.4	1	10.0-160			2.92	40
Methylene Chloride	0.667	ND	0.639	0.616	95.8	92.3	1	10.0-141			3.74	37
4-Methyl-2-pentanone (MIBK)	3.34	ND	3.08	3.04	92.3	91.1	1	10.0-160			1.39	35
Methyl tert-butyl ether	0.667	ND	0.642	0.637	96.3	95.5	1	11.0-147			0.834	35
n-Propylbenzene	0.667	ND	0.630	0.640	94.4	96.0	1	10.0-158			1.68	38
Styrene	0.667	ND	0.664	0.656	99.5	98.4	1	10.0-160			1.13	40
1,1,1,2-Tetrachloroethane	0.667	ND	0.630	0.620	94.4	93.0	1	10.0-149			1.54	39
1,1,2,2-Tetrachloroethane	0.667	ND	0.550	0.577	82.4	86.6	1	10.0-160			4.92	35
1,1,2-Trichlorotrifluoroethane	0.667	ND	0.696	0.695	104	104	1	10.0-160			0.153	36
Tetrachloroethene	0.667	ND	0.669	0.655	100	98.2	1	10.0-156			2.10	39

L1889504-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1889504-06 08/17/25 09:41 • (MS) R4260085-4 08/17/25 13:26 • (MSD) R4260085-5 08/17/25 13:46

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	0.667	ND	0.640	0.633	96.0	94.9	1	10.0-156			1.17	38
1,2,3-Trichlorobenzene	0.667	ND	0.474	0.502	71.0	75.2	1	10.0-160			5.69	40
1,2,4-Trichlorobenzene	0.667	ND	0.579	0.601	86.9	90.1	1	10.0-160			3.62	40
1,1,1-Trichloroethane	0.667	ND	0.700	0.699	105	105	1	10.0-144			0.153	35
1,1,2-Trichloroethane	0.667	ND	0.632	0.616	94.7	92.3	1	10.0-160			2.57	35
Trichloroethene	0.667	ND	0.737	0.728	111	109	1	10.0-156			1.31	38
Trichlorofluoromethane	0.667	ND	0.373	0.362	56.0	54.2	1	10.0-160			3.19	40
1,2,3-Trichloropropane	0.667	ND	0.657	0.632	98.6	94.7	1	10.0-156			3.97	35
1,2,3-Trimethylbenzene	0.667	ND	0.619	0.630	92.8	94.4	1	10.0-160			1.71	36
1,2,4-Trimethylbenzene	0.667	ND	0.633	0.635	94.9	95.2	1	10.0-160			0.337	36
1,3,5-Trimethylbenzene	0.667	ND	0.643	0.648	96.5	97.1	1	10.0-160			0.661	38
Vinyl chloride	0.667	ND	0.683	0.657	102	98.6	1	10.0-160			3.82	37
Xylenes, Total	2.01	ND	1.95	1.91	97.3	95.2	1	10.0-160			2.21	38
(S) Toluene-d8					*96.6*	*95.3*		*75.0-131*				
(S) 4-Bromofluorobenzene					*98.2*	*96.4*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*106*	*106*		*70.0-130*				

Method Blank (MB)

(MB) R4261947-1 08/20/25 22:10

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	U		0.274	4.00
(S) o-Terphenyl	*65.6*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4261947-2 08/20/25 22:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	40.4	80.8	50.0-150	
(S) o-Terphenyl			*65.6*	*18.0-148*	

L1889504-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1889504-06 08/21/25 03:54 • (MS) R4261947-3 08/21/25 04:07 • (MSD) R4261947-4 08/21/25 04:21

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	49.4	ND	ND	ND	0.000	0.000	50	50.0-150	J6	J6	0.000	20
(S) o-Terphenyl					*0.000*	*0.000*		*18.0-148*	J7	J7		

Sample Narrative:

OS: Cannot run at lower dilution due to viscosity of extract

Method Blank (MB)

(MB) R4261751-1 08/20/25 16:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	0.988	J	0.274	4.00
(S) o-Terphenyl	*60.1*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4261751-2 08/20/25 16:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	40.5	81.0	50.0-150	
(S) o-Terphenyl			*73.4*	*18.0-148*	

L1889512-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1889512-01 08/20/25 23:32 • (MS) R4261751-3 08/21/25 00:00 • (MSD) R4261751-4 08/21/25 00:28

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 %
C10-C28 Diesel Range	56.5	ND	62.1	65.6	73.7	78.9	5	50.0-150			5.49	20
(S) o-Terphenyl					*72.8*	*74.4*		*18.0-148*				

Sample Narrative:

OS: Dilution due to matrix.

Method Blank (MB)

(MB) R4262291-2 08/21/25 14:08

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) R4262291-2 08/21/25 14:08

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	*62.5*			*12.0-120*
(S) Phenol-d5	*57.2*			*10.0-120*
(S) Nitrobenzene-d5	*48.3*			*10.0-122*
(S) 2-Fluorobiphenyl	*58.0*			*15.0-120*
(S) 2,4,6-Tribromophenol	*79.6*			*10.0-127*
(S) p-Terphenyl-d14	*65.5*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4262291-1 08/21/25 13:45

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthylene	0.666	0.378	56.8	40.0-120	
Benzidine	1.33	U	0.000	10.0-120	J4
Benzo(g,h,i)perylene	0.666	0.444	66.7	43.0-120	
Bis(2-chlorethoxy)methane	0.666	0.305	45.8	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.344	51.7	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.354	53.2	23.0-120	
4-Bromophenyl-phenylether	0.666	0.478	71.8	40.0-120	
2-Chloronaphthalene	0.666	0.358	53.8	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.420	63.1	40.0-120	
1,2-Dichlorobenzene	0.666	0.377	56.6	32.0-120	
1,3-Dichlorobenzene	0.666	0.377	56.6	30.0-120	
1,4-Dichlorobenzene	0.666	0.376	56.5	31.0-120	
3,3-Dichlorobenzidine	1.33	0.856	64.4	28.0-120	
2,4-Dinitrotoluene	0.666	0.462	69.4	45.0-120	
2,6-Dinitrotoluene	0.666	0.466	70.0	42.0-120	
Hexachlorobenzene	0.666	0.504	75.7	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.398	59.8	15.0-120	
Hexachlorocyclopentadiene	0.666	0.364	54.7	15.0-120	
Hexachloroethane	0.666	0.344	51.7	17.0-120	
Isophorone	0.666	0.304	45.6	23.0-120	
Nitrobenzene	0.666	0.299	44.9	17.0-120	
n-Nitrosodimethylamine	0.666	0.299	44.9	10.0-125	
n-Nitrosodiphenylamine	0.666	0.380	57.1	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.340	51.1	26.0-120	

Laboratory Control Sample (LCS)

(LCS) R4262291-1 08/21/25 13:45

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Phenanthrene	0.666	0.394	59.2	42.0-120	
Benzylbutyl phthalate	0.666	0.396	59.5	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.403	60.5	41.0-120	
Di-n-butyl phthalate	0.666	0.399	59.9	43.0-120	
Diethyl phthalate	0.666	0.419	62.9	43.0-120	
Dimethyl phthalate	0.666	0.410	61.6	43.0-120	
Di-n-octyl phthalate	0.666	0.417	62.6	40.0-120	
1,2,4-Trichlorobenzene	0.666	0.347	52.1	17.0-120	
4-Chloro-3-methylphenol	0.666	0.381	57.2	28.0-120	
2-Chlorophenol	0.666	0.397	59.6	28.0-120	
2,4-Dichlorophenol	0.666	0.368	55.3	25.0-120	
2,4-Dimethylphenol	0.666	0.328	49.2	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.545	81.8	16.0-120	
2,4-Dinitrophenol	0.666	0.440	66.1	10.0-120	
2-Nitrophenol	0.666	0.383	57.5	20.0-120	
4-Nitrophenol	0.666	0.381	57.2	27.0-120	
Pentachlorophenol	0.666	0.520	78.1	29.0-120	
Phenol	0.666	0.351	52.7	28.0-120	
2,4,6-Trichlorophenol	0.666	0.418	62.8	37.0-120	
(S) 2-Fluorophenol			*64.0*	*12.0-120*	
(S) Phenol-d5			*57.5*	*10.0-120*	
(S) Nitrobenzene-d5			*40.2*	*10.0-122*	
(S) 2-Fluorobiphenyl			*56.8*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*93.5*	*10.0-127*	
(S) p-Terphenyl-d14			*64.9*	*10.0-120*	

L1889504-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1889504-06 08/21/25 21:02 • (MS) R4262291-3 08/21/25 21:24 • (MSD) R4262291-4 08/21/25 21:47

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthylene	0.668	ND	0.386	0.362	57.7	54.2	10	25.0-120			6.36	32
Benzidine	1.29	ND	ND	ND	0.000	0.000	10	10.0-120	J6	J6	0.000	40
Benzo(g,h,i)perylene	0.668	ND	ND	ND	37.6	30.5	10	10.0-120			20.9	33
Bis(2-chlorethoxy)methane	0.668	ND	ND	ND	0.000	0.000	10	10.0-120	J6	J6	0.000	34
Bis(2-chloroethyl)ether	0.668	ND	ND	ND	0.000	0.000	10	10.0-120	J6	J6	0.000	40
2,2-Oxybis(1-Chloropropane)	0.668	ND	ND	ND	52.5	0.000	10	10.0-120		J3 J6	200	40
4-Bromophenyl-phenylether	0.668	ND	ND	ND	0.000	0.000	10	27.0-120	J6	J6	0.000	30
2-Chloronaphthalene	0.668	ND	0.362	0.350	54.2	52.5	10	20.0-120			3.19	32

L1889504-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1889504-06 08/21/25 21:02 • (MS) R4262291-3 08/21/25 21:24 • (MSD) R4262291-4 08/21/25 21:47

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
4-Chlorophenyl-phenylether	0.668	ND	ND	ND	0.000	0.000	10	24.0-120	J6	J6	0.000	29
1,2-Dichlorobenzene	0.668	ND	ND	ND	48.9	46.3	10	10.0-120			5.53	38
1,3-Dichlorobenzene	0.668	ND	ND	ND	47.8	46.3	10	10.0-120			3.29	40
1,4-Dichlorobenzene	0.668	ND	ND	ND	48.8	44.6	10	10.0-120			8.96	39
3,3-Dichlorobenzidine	1.33	ND	ND	ND	0.000	0.000	10	10.0-120	J6	J6	0.000	34
2,4-Dinitrotoluene	0.646	ND	ND	ND	0.000	0.000	10	30.0-120	J6	J6	0.000	31
2,6-Dinitrotoluene	0.668	ND	ND	ND	0.000	0.000	10	25.0-120	J6	J6	0.000	31
Hexachlorobenzene	0.668	ND	ND	ND	0.000	0.000	10	27.0-120	J6	J6	0.000	28
Hexachloro-1,3-butadiene	0.668	ND	ND	ND	0.000	0.000	10	10.0-120	J6	J6	0.000	38
Hexachlorocyclopentadiene	0.646	ND	ND	ND	0.000	0.000	10	10.0-120	J6	J6	0.000	40
Hexachloroethane	0.668	ND	ND	ND	0.000	0.000	10	10.0-120	J6	J6	0.000	40
Isophorone	0.668	ND	ND	ND	0.000	0.000	10	13.0-120	J6	J6	0.000	34
Nitrobenzene	0.668	ND	ND	ND	0.000	0.000	10	10.0-120	J6	J6	0.000	36
n-Nitrosodimethylamine	0.646	ND	ND	ND	0.000	0.000	10	10.0-127	J6	J6	0.000	40
n-Nitrosodiphenylamine	0.668	ND	ND	ND	0.000	0.000	10	17.0-120	J6	J6	0.000	29
n-Nitrosodi-n-propylamine	0.668	ND	ND	ND	0.000	0.000	10	10.0-120	J6	J6	0.000	37
Phenanthrene	0.668	ND	0.409	0.404	61.3	60.5	10	17.0-120			1.27	31
Benzylbutyl phthalate	0.668	ND	ND	ND	0.000	0.000	10	23.0-120	J6	J6	0.000	30
Bis(2-ethylhexyl)phthalate	0.646	ND	ND	ND	0.000	0.000	10	17.0-126	J6	J6	0.000	30
Di-n-butyl phthalate	0.668	ND	ND	ND	0.000	0.000	10	30.0-120	J6	J6	0.000	29
Diethyl phthalate	0.668	ND	ND	ND	0.000	0.000	10	26.0-120	J6	J6	0.000	28
Dimethyl phthalate	0.668	ND	ND	ND	0.000	0.000	10	25.0-120	J6	J6	0.000	29
Di-n-octyl phthalate	0.646	ND	ND	ND	0.000	0.000	10	21.0-123	J6	J6	0.000	29
1,2,4-Trichlorobenzene	0.668	ND	ND	ND	0.000	0.000	10	12.0-120	J6	J6	0.000	37
4-Chloro-3-methylphenol	0.668	ND	ND	ND	0.000	0.000	10	15.0-120	J6	J6	0.000	30
2-Chlorophenol	0.668	ND	ND	ND	57.0	53.9	10	15.0-120			5.59	37
2,4-Dichlorophenol	0.668	ND	ND	ND	68.1	0.000	10	20.0-120		J3 J6	200	31
2,4-Dimethylphenol	0.646	ND	ND	ND	0.000	0.000	10	10.0-120	J6	J6	0.000	33
4,6-Dinitro-2-methylphenol	0.646	ND	ND	ND	0.000	0.000	10	10.0-120	J6	J6	0.000	39
2,4-Dinitrophenol	0.646	ND	ND	ND	0.000	0.000	10	10.0-121	J6	J6	0.000	40
2-Nitrophenol	0.668	ND	ND	ND	0.000	0.000	10	12.0-120	J6	J6	0.000	39
4-Nitrophenol	0.646	ND	ND	ND	0.000	0.000	10	10.0-137	J6	J6	0.000	32
Pentachlorophenol	0.668	ND	ND	ND	0.000	0.000	10	10.0-160	J6	J6	0.000	31
Phenol	0.668	ND	ND	ND	0.000	0.000	10	12.0-120	J6	J6	0.000	38
2,4,6-Trichlorophenol	0.646	ND	ND	ND	0.000	0.000	10	19.0-120	J6	J6	0.000	32
(S) 2-Fluorophenol					*57.3*	*54.8*		*12.0-120*				
(S) Phenol-d5					*54.6*	*53.7*		*10.0-120*				
(S) Nitrobenzene-d5					*49.5*	*48.0*		*10.0-122*				
(S) 2-Fluorobiphenyl					*59.1*	*54.2*		*15.0-120*				

L1889504-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1889504-06 08/21/25 21:02 • (MS) R4262291-3 08/21/25 21:24 • (MSD) R4262291-4 08/21/25 21:47

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) 2,4,6-Tribromophenol					*102*	*96.0*		*10.0-127*				
(S) p-Terphenyl-d14					*65.9*	*65.0*		*10.0-120*				

Sample Narrative:

OS: Dilution due to matrix impact during extract concentration procedure.

Method Blank (MB)

(MB) R4261851-2 08/20/25 20:05

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	*119*			*23.0-120*
(S) Nitrobenzene-d5	*94.1*			*14.0-149*
(S) 2-Fluorobiphenyl	*117*			*34.0-125*

Laboratory Control Sample (LCS)

(LCS) R4261851-1 08/20/25 19:47

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0934	117	50.0-126	
Acenaphthene	0.0800	0.0803	100	50.0-120	
Acenaphthylene	0.0800	0.0935	117	50.0-120	
Benzo(a)anthracene	0.0800	0.0926	116	45.0-120	
Benzo(a)pyrene	0.0800	0.0815	102	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0805	101	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0833	104	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0794	99.3	49.0-125	
Chrysene	0.0800	0.0894	112	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0862	108	47.0-125	
Fluoranthene	0.0800	0.0911	114	49.0-129	
Fluorene	0.0800	0.0909	114	49.0-120	

Laboratory Control Sample (LCS)

(LCS) R4261851-1 08/20/25 19:47

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Indeno(1,2,3-cd)pyrene	0.0800	0.0825	103	46.0-125	
Naphthalene	0.0800	0.0805	101	50.0-120	
Phenanthrene	0.0800	0.0889	111	47.0-120	
Pyrene	0.0800	0.0855	107	43.0-123	
1-Methylnaphthalene	0.0800	0.0872	109	51.0-121	
2-Methylnaphthalene	0.0800	0.0839	105	50.0-120	
(S) p-Terphenyl-d14			*125*	*23.0-120*	J1
(S) Nitrobenzene-d5			*99.8*	*14.0-149*	
(S) 2-Fluorobiphenyl			*126*	*34.0-125*	J1

L1889504-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1889504-06 08/20/25 23:49 • (MS) R4261862-1 08/21/25 00:09 • (MSD) R4261862-2 08/21/25 00:29

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	0.0785	ND	0.0869	0.0826	111	105	1	10.0-145			5.12	30
Acenaphthene	0.0785	ND	0.0742	0.0689	94.5	87.8	1	14.0-127			7.36	27
Acenaphthylene	0.0785	ND	0.0822	0.0762	105	97.0	1	21.0-124			7.57	25
Benzo(a)anthracene	0.0785	ND	0.0935	0.0907	119	116	1	10.0-139			3.03	30
Benzo(a)pyrene	0.0785	ND	0.0892	0.0873	114	111	1	10.0-141			2.11	31
Benzo(b)fluoranthene	0.0785	ND	0.0989	0.0999	126	127	1	10.0-140			1.04	36
Benzo(g,h,i)perylene	0.0785	ND	0.0988	0.0941	126	120	1	10.0-140			4.93	33
Benzo(k)fluoranthene	0.0785	ND	0.0822	0.0780	105	99.3	1	10.0-137			5.16	31
Chrysene	0.0785	ND	0.101	0.0963	129	123	1	10.0-145			5.22	30
Dibenz(a,h)anthracene	0.0785	ND	0.0851	0.0799	108	102	1	10.0-132			6.27	31
Fluoranthene	0.0785	ND	0.0985	0.0979	125	125	1	10.0-153			0.632	33
Fluorene	0.0785	ND	0.0836	0.0780	106	99.3	1	11.0-130			6.91	29
Indeno(1,2,3-cd)pyrene	0.0785	ND	0.0932	0.0894	119	114	1	10.0-137			4.19	32
Naphthalene	0.0785	ND	0.0762	0.0718	97.0	91.4	1	10.0-135			5.87	27
Phenanthrene	0.0785	ND	0.0874	0.0852	111	108	1	10.0-144			2.63	31
Pyrene	0.0785	ND	0.0917	0.0907	117	116	1	10.0-148			1.02	35
1-Methylnaphthalene	0.0785	ND	0.0818	0.0777	104	98.9	1	10.0-142			5.06	28
2-Methylnaphthalene	0.0785	ND	0.0778	0.0747	99.1	95.1	1	10.0-137			4.07	28
(S) p-Terphenyl-d14					*122*	*111*		*23.0-120*	J1			
(S) Nitrobenzene-d5					*122*	*109*		*14.0-149*				
(S) 2-Fluorobiphenyl					*119*	*108*		*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
B	The same analyte is found in the associated blank.
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
C6	The initial calibration verification standard (SSCV) associated with this data responded low.

GLOSSARY OF TERMS

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
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.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
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	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

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

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

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

Pace® Location Requested (City/State):

Pace National, 12065 Lebanon Road, Mt. Juliet, TN 37122

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

A031

Scan QR Code for instructions

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

Phone #:

E-Mail: chevron_bishop@cteh.com; kylelawrence@cteh.com; tmcmullin@cteh.com; ahenault@cteh.com

Cc E-Mail:

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
1	1	1	1	1	1	1	4	1

Identify Container Preservative Type***

Analysis Requested

**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
GAC00815T208-1CRS009	SS	G	-	-	8/15/2025	1240	5	-	-	X	X	X	X	X	X	X	-	-	-01,19
GAC00815T208-1CRS010	SS	G	-	-	8/15/2025	1200	5	-	-	X	X	X	X	X	X	X	-	-	-02,20
GAC00815T208-1CRS011	SS	G	-	-	8/15/2025	1215	5	-	-	X	X	X	X	X	X	X	-	-	MS -03,21
GAC00815T208-1CRC011	SS	G	-	-	8/15/2025	1215	5	-	-	X	X	X	X	X	X	X	-	-	-04,22
GAC00815T208-1CRT004	OT	-	-	-	8/15/2025	0700	2	-	-	-	-	-	-	-	-	-	X	-	-05,17

Lab Use Only

Proj. Mgr: 546-Jared Starkey

AcctNum / Client ID: CTEHER

Table #: L1091504

Profile / Template: T275920

Prelog / Bottle Ord. ID: P1156679

Preservation non-conformance identified for sample.

Sample Receipt Checklist (78)

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: Farrah Ranger Signature: FarrahRanger

Customer Remarks / Special Conditions / Possible Hazards: Relinquished to PACE Courier

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:
FarrahRanger CTEH	8/15/25 1800	Dengan	8/16/25 0900

Tracking Number:

Delivered by: [ ] In- Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

GAC00813T208-1CRS

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

Company Name: CTEH, LLC
Street Address: 5120 North Shore Drive, North Little Rock, AR 72118
Customer Project #: PROJ-054017
Project Name: Bishop LOC
Site Collection Info/Facility ID (as applicable): Galeton, CO
Time Zone Collected: [ ] AK [ ] PT [X] MT [ ] CT [ ] ET

Contact/Report To: Chevron-Bishop, Kyle Lawrence, Tami McMullin, Andy Henault
Phone #:
E-Mail: chevron_bishop@cteh.com; kylelawrence@cteh.com; tmcmullin@cteh.com; ahenault@cteh.com
Cc E-Mail:
Invoice to: CTEH
Invoice E-mail: ctehap@montrose-env.com
Purchase Order # (if applicable):
Quote #:
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

**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, CrS 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
GAC00815T208-1CRS001	SS	G	-	-	8/15/2025	1130	13	-	-	X	X	X	X	X	X	X	-	X
GAC00815T208-1CRS012	SS	G	-	-	8/15/2025	1300	5	-	-	X	X	X	X	X	X	X	-	-
GAC00815T208-1CRT001	OT	-	-	-	8/15/2025	0700	2	-	-	-	-	-	-	-	-	-	X	-

Lab Use Only
Proj. Mgr: 546-Jared Starkey
AcctNum / Client ID: CTEHER
Table #: 186504
Profile / Template: T275920
Prelog / Bottle Ord. ID: P1156679

Sample Comment
Volume provided for Matrix Spike/Matrix Spike Duplicate -06, 23 -07, 24 -08

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: Farrah Rangel Signature: Farrah Rangel

Customer Remarks / Special Conditions / Possible Hazards: Relinquished to PACE courier

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:
Farrah Rangel CTEH	8/15/25 1800	Delivery	8.16.25 0900
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

GAC00813T208-1CRS

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

Company Name: CTEH, LLC

Street Address: 5120 North Shore Drive, North Little Rock, AR 72118

Customer Project #: PROJ-054017

Project Name: Bishop LOC

Site Collection Info/Facility ID (as applicable): Galeton, CO

Time Zone Collected: [ ] AK [ ] PT [X] MT [ ] CT [ ] ET

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

Invoice to: CTEH

Invoice E-mail: ctehap@montrose-env.com

Purchase Order # (if applicable):

Quote #:

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

Identify Container Preservative Type***: 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4

Analysis Requested

**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 #: 085504

Profile / Template: T275920

Prelog / Bottle Ord. ID: P1156679

Preservation non-conformance identified for sample.

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
GAC00815T208-1CRS002	SS	G	-	-	8/15/25	1200	5	-	-	X	X	X	X	X	X	X	-	-	-09,25
GAC00815T208-1CRS003	SS	G	-	-	8/15/25	1210	5	-	-	X	X	X	X	X	X	X	-	-	-10,26
GAC00815T208-1CRS004	SS	G	-	-	8/15/25	1226	5	-	-	X	X	X	X	X	X	X	-	-	MS -11,27
GAC00815T208-1CRC004	SS	G	-	-	8/15/25	1226	5	-	-	X	X	X	X	X	X	X	-	-	-12,28
GAC00815T208-1CRT002	OT	-	-	-	8/15/25	0700	2	-	-	-	-	-	-	-	-	-	X	-	-13

MS

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 / Signature: Farrah Ranger / FarrahRanger

Customer Remarks / Special Conditions / Possible Hazards: Relinquished to PACE courier

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:
FarrahRanger CTEH	8/15/25 1500	Dwight	8.16.25 0900
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

SDG

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Pace® Location Requested (City/State):

Pace National, 12065 Lebanon Road, Mt. Juliet, TN 37122

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Company Name: CTEH, LLC	Contact/Report To: Chevron-Bishop, Kyle Lawrence, Tami McMullin, Andy Henault
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:
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

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

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)

**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 #: L1881504; Profile / Template: T275920; Prelog / Bottle Ord. ID: P1156679

Analysis Requested	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
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

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	TOC Walkley Black; pH; EC	SAR; Hot Water Soluble Boron	Radionuclides	VOCs 8260D	MS/MSD	Sample Comment
GACO0815T208-1CRS005	SS	G	-	-	8/15/2025	1225	5	-	-	X	X	X	X	X	X	X	-	-	-14, 29
GACO0815T208-1CRS006	SS	G	-	-	8/15/2025	1245	5	-	-	X	X	X	X	X	X	X	-	-	-15, 30
GACO0815T208-1CRS007	SS	G	-	-	8/15/2025	1250	5	-	-	X	X	X	X	X	X	X	-	-	KR -16, 31
GACO0815T208-1CRS008	SS	G	-	-	8/15/2025	1215	5	-	-	X	X	X	X	X	X	X	-	-	-17, 32
GACO0815T208-1CRT003	OT	-	-	-	8/15/2025	0700	2	-	-	-	-	-	-	-	-	-	X	-	-18

KR

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: Farrah Rangel
Signature: FarrahRangel

Customer Remarks / Special Conditions / Possible Hazards: Relinquished to PACE Courier

# 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:
FarrahRangel CTEH	8/15/25 1800	[signature]	8.16.25 0800

Tracking Number:

Delivered by: [ ] In- Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

GACO0813T208-1CRS

Multiple Parcel Form

L# LR589504

Parcel Tracking Number	Infrared Thermometer ID	Temperature Reading (°C)	Correction Factor (°C)	Corrected Temperature (°C)	Custody Seal Intact
SwA	CRA9	3.5	-0.1	3.4	Yes / No / Not Present
SwA	CRA9	3.5	-0.1	3.4	Yes / No / Not Present
SwA	CRA9	4.5	-0.1	4.4	Yes / No / Not Present
SwA	CRA9	3.6	-0.1	3.5	Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present

Name

8.16.25
Date