

June 27, 2025

Pace Analytical Services, LLC
2025.06.27 22:58:41 -05'00'
Document is certified

CTEH - ER

Sample Delivery Group: L1869905
Samples Received: 06/14/2025
Project Number: PROJ-054017
Description: Bishop Loss of Containment Incident

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

Entire Report Reviewed By:



Jared Starkey
Project Manager

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



Pace Analytical National

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

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

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¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Ds

⁶ Sr

⁷ Qc

⁸ Gl

⁹ Al

¹⁰ Sc

SAMPLE SUMMARY

GACO0613T137-1CRS001 L1869905-01

Collected by
Aaron Musick

Collected date/time
06/13/25 08:25

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2541746	1	06/20/25 14:55	06/20/25 14:55	BAG	Mt. Juliet, TN
Calculated Results	WG2539006	1	06/15/25 08:34	06/20/25 22:32	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2538880	1	06/14/25 19:35	06/14/25 19:49	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2539497	1	06/17/25 13:02	06/18/25 00:08	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2542881	5	06/20/25 07:46	06/20/25 22:32	AEC	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2539253	1	06/18/25 21:15	06/26/25 14:43	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2542964	1	06/20/25 08:53	06/21/25 08:01	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2542966	1	06/20/25 08:58	06/21/25 14:08	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2539006	1	06/15/25 08:34	06/15/25 15:47	AJC	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2539188	10	06/15/25 14:33	06/18/25 17:41	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2541799	1	06/19/25 19:34	06/20/25 17:42	BAG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2539349	1	06/16/25 16:40	06/17/25 09:02	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2539358	5	06/16/25 16:44	06/17/25 16:52	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2538926	25	06/14/25 20:39	06/15/25 07:56	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538915	1	06/14/25 20:39	06/15/25 14:38	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2542147	1	06/19/25 16:29	06/20/25 09:59	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2541977	1	06/19/25 08:33	06/20/25 05:01	JTO	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2542468	1	06/20/25 15:18	06/21/25 10:30	JCH	Mt. Juliet, TN



GACO0613T137-1CRC001 L1869905-02

Collected by
Aaron Musick

Collected date/time
06/13/25 08:25

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2541746	1	06/20/25 14:58	06/20/25 14:58	BAG	Mt. Juliet, TN
Calculated Results	WG2539006	1	06/15/25 08:34	06/20/25 22:34	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2538880	1	06/14/25 19:35	06/14/25 19:49	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2539497	1	06/17/25 13:02	06/18/25 00:09	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2542881	5	06/20/25 07:46	06/20/25 22:34	AEC	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2539253	1	06/18/25 21:15	06/26/25 14:52	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2542964	1	06/20/25 08:53	06/21/25 08:01	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2542966	1	06/20/25 08:58	06/21/25 14:08	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2539006	1	06/15/25 08:34	06/15/25 16:00	AJC	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2539188	10	06/15/25 14:33	06/18/25 17:41	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2541799	1	06/19/25 19:34	06/20/25 17:44	BAG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2539349	1	06/16/25 16:40	06/17/25 09:04	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2539358	5	06/16/25 16:44	06/17/25 16:55	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2538926	25	06/14/25 20:39	06/15/25 08:18	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538915	1	06/14/25 20:39	06/15/25 14:57	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2542147	1	06/19/25 16:29	06/20/25 10:14	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2541977	1	06/19/25 08:33	06/20/25 05:23	JTO	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2542468	1	06/20/25 15:18	06/21/25 15:12	JCH	Mt. Juliet, TN

GACO0613T137-1CRS002 L1869905-03

Collected by
Aaron Musick

Collected date/time
06/13/25 08:45

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2541746	1	06/20/25 15:01	06/20/25 15:01	BAG	Mt. Juliet, TN
Calculated Results	WG2539006	1	06/15/25 08:34	06/20/25 22:35	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2538880	1	06/14/25 19:35	06/14/25 19:49	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2539497	1	06/17/25 13:02	06/18/25 00:11	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2542881	5	06/20/25 07:46	06/20/25 22:35	AEC	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2539253	1	06/18/25 21:15	06/26/25 15:01	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2542964	1	06/20/25 08:53	06/21/25 08:01	RJP	Mt. Juliet, TN

SAMPLE SUMMARY

GACO0613T137-1CRS002 L1869905-03

Collected by
Aaron Musick

Collected date/time
06/13/25 08:45

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9050AMod	WG2542966	1	06/20/25 08:58	06/21/25 14:08	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2539006	1	06/15/25 08:34	06/15/25 16:12	AJC	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2539188	5	06/15/25 14:33	06/18/25 17:41	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2541799	1	06/19/25 19:34	06/20/25 17:46	BAG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2539349	1	06/16/25 16:40	06/17/25 09:05	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2539358	5	06/16/25 16:44	06/17/25 16:59	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2538926	25	06/14/25 20:39	06/15/25 08:41	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538915	1	06/14/25 20:39	06/15/25 15:16	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2542147	1	06/19/25 16:29	06/20/25 09:01	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2541977	1	06/19/25 08:33	06/20/25 05:46	JTO	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2542468	1	06/20/25 15:18	06/21/25 10:49	JCH	Mt. Juliet, TN



GACO0613T137-1CRS003 L1869905-04

Collected by
Aaron Musick

Collected date/time
06/13/25 08:55

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2541746	1	06/20/25 15:04	06/20/25 15:04	BAG	Mt. Juliet, TN
Calculated Results	WG2539006	1	06/15/25 08:34	06/20/25 22:37	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2538880	1	06/14/25 19:35	06/14/25 19:49	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2539507	1	06/17/25 12:56	06/18/25 12:52	LAS	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2542881	5	06/20/25 07:46	06/20/25 22:37	AEC	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2539253	1	06/18/25 21:15	06/26/25 15:10	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2542964	1	06/20/25 08:53	06/21/25 08:01	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2542966	1	06/20/25 08:58	06/21/25 14:08	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2539006	1	06/15/25 08:34	06/15/25 16:25	AJC	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2539188	9	06/15/25 14:33	06/18/25 17:41	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2541799	1	06/19/25 19:34	06/20/25 17:48	BAG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2539349	1	06/16/25 16:40	06/17/25 09:10	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2539358	5	06/16/25 16:44	06/17/25 17:08	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2538926	25	06/14/25 20:39	06/15/25 09:03	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538915	1	06/14/25 20:39	06/15/25 15:35	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2542147	1	06/19/25 16:29	06/20/25 09:16	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2541977	1	06/19/25 08:33	06/20/25 06:09	JTO	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2542468	1	06/20/25 15:18	06/21/25 11:08	JCH	Mt. Juliet, TN

GACO0613T137-1CRT001 L1869905-05

Collected by
Aaron Musick

Collected date/time
06/13/25 07:00

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2539124	1	06/15/25 14:21	06/15/25 14:21	WHS	Mt. Juliet, TN

GACO0613T137-1CRS004 L1869905-06

Collected by
Aaron Musick

Collected date/time
06/13/25 09:15

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2541746	1	06/20/25 15:07	06/20/25 15:07	BAG	Mt. Juliet, TN
Calculated Results	WG2539012	1	06/15/25 08:40	06/20/25 22:39	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2538880	1	06/14/25 19:35	06/14/25 19:49	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2539507	1	06/17/25 12:56	06/18/25 12:54	LAS	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2542881	5	06/20/25 07:46	06/20/25 22:39	AEC	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2539253	1	06/18/25 21:15	06/26/25 15:19	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2542964	1	06/20/25 08:53	06/21/25 08:01	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2542966	1	06/20/25 08:58	06/21/25 14:08	RJP	Mt. Juliet, TN

SAMPLE SUMMARY

GACO0613T137-1CRS004 L1869905-06

Collected by
Aaron Musick

Collected date/time
06/13/25 09:15

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2539012	5	06/15/25 08:40	06/16/25 21:08	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2539188	10	06/15/25 14:33	06/18/25 17:42	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2541799	1	06/19/25 19:34	06/20/25 17:49	BAG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2539349	1	06/16/25 16:40	06/17/25 09:12	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2539358	5	06/16/25 16:44	06/17/25 17:11	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2538926	25	06/14/25 20:39	06/15/25 09:25	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538915	1	06/14/25 20:39	06/15/25 15:54	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2542147	5	06/19/25 16:29	06/20/25 17:17	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2541977	1	06/19/25 08:33	06/20/25 06:32	JTO	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2542468	1	06/20/25 15:18	06/21/25 15:30	JCH	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

GACO0613T137-1CRS005 L1869905-07

Collected by
Aaron Musick

Collected date/time
06/13/25 09:20

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2541746	1	06/20/25 15:09	06/20/25 15:09	BAG	Mt. Juliet, TN
Calculated Results	WG2539012	1	06/15/25 08:40	06/20/25 22:41	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2538880	1	06/14/25 19:35	06/14/25 19:49	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2539507	1	06/17/25 12:56	06/18/25 12:58	LAS	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2542881	5	06/20/25 07:46	06/20/25 22:41	AEC	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2539253	1	06/18/25 21:15	06/26/25 15:46	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2542964	1	06/20/25 08:53	06/21/25 08:01	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2542966	1	06/20/25 08:58	06/21/25 14:08	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2539012	1	06/15/25 08:40	06/15/25 12:23	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2539188	9	06/15/25 14:33	06/18/25 17:42	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2541799	1	06/19/25 19:34	06/20/25 17:51	BAG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2539349	1	06/16/25 16:40	06/17/25 09:13	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2539358	5	06/16/25 16:44	06/17/25 17:15	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2538927	25	06/14/25 20:39	06/15/25 06:04	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538915	1	06/14/25 20:39	06/15/25 16:12	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2542147	5	06/19/25 16:29	06/20/25 17:02	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2541977	1	06/19/25 08:33	06/20/25 06:55	JTO	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2542472	1	06/20/25 15:00	06/21/25 05:00	TKW	Mt. Juliet, TN

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

GACO0613T137-1CRS006 L1869905-08

Collected by
Aaron Musick

Collected date/time
06/13/25 09:25

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2541746	1	06/20/25 15:12	06/20/25 15:12	BAG	Mt. Juliet, TN
Calculated Results	WG2539012	1	06/15/25 08:40	06/20/25 22:43	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2538880	1	06/14/25 19:35	06/14/25 19:49	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2539507	1	06/17/25 12:56	06/18/25 13:00	LAS	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2542881	5	06/20/25 07:46	06/20/25 22:43	AEC	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2539253	1	06/18/25 21:15	06/26/25 15:55	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2542964	1	06/20/25 08:53	06/21/25 08:01	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2542966	1	06/20/25 08:58	06/21/25 14:08	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2539012	1	06/15/25 08:40	06/15/25 12:37	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2539188	4	06/15/25 14:33	06/18/25 17:43	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2541799	1	06/19/25 19:34	06/20/25 17:57	BAG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2539349	1	06/16/25 16:40	06/17/25 09:15	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2539358	5	06/16/25 16:44	06/17/25 17:18	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2538927	25	06/14/25 20:39	06/15/25 06:27	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538916	1	06/14/25 20:39	06/14/25 22:47	WHS	Mt. Juliet, TN

SAMPLE SUMMARY

GACO0613T137-1CRS006 L1869905-08

Collected by
Aaron Musick

Collected date/time
06/13/25 09:25

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2542148	1	06/19/25 16:32	06/20/25 11:32	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2541977	1	06/19/25 08:33	06/20/25 07:18	JTO	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2542472	1	06/20/25 15:00	06/20/25 23:06	TKW	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

GACO0613T137-1CRS015 L1869905-09

Collected by
Aaron Musick

Collected date/time
06/13/25 09:10

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2541746	1	06/20/25 15:15	06/20/25 15:15	BAG	Mt. Juliet, TN
Calculated Results	WG2539012	1	06/15/25 08:40	06/21/25 13:55	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2538880	1	06/14/25 19:35	06/14/25 19:49	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2539507	1	06/17/25 12:56	06/18/25 13:02	LAS	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2542884	5	06/20/25 07:44	06/21/25 13:55	AEC	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2539253	1	06/18/25 21:15	06/26/25 16:04	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2542964	1	06/20/25 08:53	06/21/25 08:01	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2542966	1	06/20/25 08:58	06/21/25 14:08	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2539012	1	06/15/25 08:40	06/15/25 12:50	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2539188	19	06/15/25 14:33	06/18/25 17:43	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2541799	1	06/19/25 19:34	06/20/25 17:58	BAG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2539349	1	06/16/25 16:40	06/17/25 09:17	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2544947	5	06/23/25 23:18	06/24/25 02:07	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2538927	25	06/14/25 20:39	06/15/25 06:50	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538916	1	06/14/25 20:39	06/14/25 23:06	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2542148	10	06/19/25 16:32	06/20/25 15:36	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2541977	10	06/19/25 08:33	06/20/25 18:08	MBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2542472	1	06/20/25 15:00	06/21/25 05:59	TKW	Mt. Juliet, TN

GACO0613T137-1CRT002 L1869905-10

Collected by
Aaron Musick

Collected date/time
06/13/25 07:00

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2539124	1	06/15/25 14:42	06/15/25 14:42	WHS	Mt. Juliet, TN

GACO0613T137-1CRS007 L1869905-11

Collected by
Aaron Musick

Collected date/time
06/13/25 09:35

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2541746	1	06/20/25 14:02	06/20/25 14:02	BAG	Mt. Juliet, TN
Calculated Results	WG2541132	1	06/19/25 11:22	06/21/25 13:57	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2538880	1	06/14/25 19:35	06/14/25 19:49	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2539507	1	06/17/25 12:56	06/18/25 13:03	LAS	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2542884	1	06/20/25 07:44	06/21/25 13:57	AEC	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2539253	1	06/18/25 21:15	06/26/25 16:13	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2542964	1	06/20/25 08:53	06/21/25 08:01	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2542966	1	06/20/25 08:58	06/21/25 14:08	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2541132	1	06/19/25 11:22	06/20/25 01:57	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2539188	5	06/15/25 14:33	06/18/25 17:44	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2541799	1	06/19/25 19:34	06/20/25 18:00	BAG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2539349	1	06/16/25 16:40	06/17/25 08:54	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2539358	5	06/16/25 16:44	06/17/25 16:36	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2538926	25	06/14/25 20:39	06/15/25 09:48	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538916	1	06/14/25 20:39	06/14/25 23:25	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2542148	1	06/19/25 16:32	06/20/25 13:15	KDB	Mt. Juliet, TN

ACCOUNT:
CTEH - ER

PROJECT:
PROJ-054017

SDG:
L1869905

DATE/TIME:
06/27/25 10:03

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SAMPLE SUMMARY

GACO0613T137-1CRS007 L1869905-11

Collected by
Aaron Musick

Collected date/time
06/13/25 09:35

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2542351	2	06/19/25 17:41	06/20/25 15:23	MBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2542472	1	06/20/25 15:00	06/21/25 01:04	TKW	Mt. Juliet, TN



GACO0613T137-1CRS008 L1869905-12

Collected by
Aaron Musick

Collected date/time
06/13/25 09:40

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2541748	1	06/20/25 15:46	06/20/25 15:46	JTM	Mt. Juliet, TN
Calculated Results	WG2539012	1	06/15/25 08:40	06/21/25 14:03	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2538881	1	06/14/25 20:02	06/14/25 20:16	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2539507	1	06/17/25 12:56	06/18/25 13:09	LAS	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2542884	5	06/20/25 07:44	06/21/25 14:03	AEC	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2539253	1	06/18/25 21:15	06/26/25 18:24	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2542972	1	06/20/25 09:46	06/21/25 09:10	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2543008	1	06/20/25 09:50	06/24/25 20:30	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2539012	10	06/15/25 08:40	06/15/25 13:44	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2539188	8	06/15/25 14:33	06/18/25 17:46	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2541796	1	06/20/25 04:56	06/22/25 01:16	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2539349	1	06/16/25 16:40	06/17/25 09:22	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2544947	5	06/23/25 23:18	06/24/25 02:23	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2538927	25	06/14/25 20:39	06/15/25 07:35	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538916	1	06/14/25 20:39	06/14/25 23:44	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2542148	1	06/19/25 16:32	06/20/25 14:32	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2542351	2	06/19/25 17:41	06/20/25 16:34	MBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2542472	1	06/20/25 15:00	06/21/25 02:03	TKW	Mt. Juliet, TN

GACO0613T137-1CRT003 L1869905-13

Collected by
Aaron Musick

Collected date/time
06/13/25 07:00

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2539124	1	06/15/25 15:04	06/15/25 15:04	WHS	Mt. Juliet, TN

GACO0613T137-1CRS009 L1869905-14

Collected by
Aaron Musick

Collected date/time
06/13/25 08:30

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2541748	1	06/20/25 15:47	06/20/25 15:47	JTM	Mt. Juliet, TN
Calculated Results	WG2539012	1	06/15/25 08:40	06/21/25 14:05	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2538881	1	06/14/25 20:02	06/14/25 20:16	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2539507	1	06/17/25 12:56	06/18/25 13:13	LAS	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2542884	5	06/20/25 07:44	06/21/25 14:05	AEC	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2539253	1	06/18/25 21:15	06/26/25 18:33	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2542972	1	06/20/25 09:46	06/21/25 09:10	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2543008	1	06/20/25 09:50	06/24/25 20:30	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2539012	1	06/15/25 08:40	06/15/25 13:57	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2539188	18	06/15/25 14:33	06/18/25 17:46	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2543425	1	06/20/25 22:11	06/22/25 01:58	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2539349	1	06/16/25 16:40	06/17/25 09:24	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2544947	5	06/23/25 23:18	06/24/25 02:26	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2538927	25	06/14/25 21:04	06/15/25 07:58	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538916	1	06/14/25 21:04	06/15/25 00:03	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2542148	1	06/19/25 16:32	06/20/25 11:58	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2542351	2	06/19/25 17:41	06/20/25 16:57	MBE	Mt. Juliet, TN

ACCOUNT:
CTEH - ER

PROJECT:
PROJ-054017

SDG:
L1869905

DATE/TIME:
06/27/25 10:03

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SAMPLE SUMMARY

GACO0613T137-1CRS009 L1869905-14

Collected by
Aaron Musick

Collected date/time
06/13/25 08:30

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2542472	1	06/20/25 15:00	06/21/25 02:23	TKW	Mt. Juliet, TN

GACO0613T137-1CRS010 L1869905-15

Collected by
Aaron Musick

Collected date/time
06/13/25 08:30

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2541748	1	06/20/25 15:49	06/20/25 15:49	JTM	Mt. Juliet, TN
Calculated Results	WG2539012	1	06/15/25 08:40	06/21/25 14:06	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2538881	1	06/14/25 20:02	06/14/25 20:16	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2539507	1	06/17/25 12:56	06/18/25 13:15	LAS	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2542884	5	06/20/25 07:44	06/21/25 14:06	AEC	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2539253	1	06/18/25 21:15	06/26/25 19:00	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2542972	1	06/20/25 09:46	06/21/25 09:10	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2543008	1	06/20/25 09:50	06/24/25 20:30	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2539012	1	06/15/25 08:40	06/15/25 14:11	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2539188	10	06/15/25 14:33	06/18/25 17:47	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2541796	1	06/20/25 04:56	06/22/25 01:18	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2539349	1	06/16/25 16:40	06/17/25 09:26	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2539358	5	06/16/25 16:44	06/17/25 17:21	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2538927	25	06/14/25 21:04	06/15/25 08:21	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538916	1	06/14/25 21:04	06/15/25 00:23	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2542148	1	06/19/25 16:32	06/20/25 14:32	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2542351	2	06/19/25 17:41	06/20/25 02:51	JTO	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2542472	1	06/20/25 15:00	06/21/25 02:42	TKW	Mt. Juliet, TN

GACO0613T137-1CRS011 L1869905-16

Collected by
Aaron Musick

Collected date/time
06/13/25 08:40

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2541748	1	06/20/25 15:51	06/20/25 15:51	JTM	Mt. Juliet, TN
Calculated Results	WG2539012	1	06/15/25 08:40	06/21/25 14:08	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2538881	1	06/14/25 20:02	06/14/25 20:16	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2539507	1	06/17/25 12:56	06/18/25 13:17	LAS	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2542884	5	06/20/25 07:44	06/21/25 14:08	AEC	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2539253	1	06/18/25 21:15	06/26/25 19:09	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2542972	1	06/20/25 09:46	06/21/25 09:10	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2543008	1	06/20/25 09:50	06/24/25 20:30	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2539012	1	06/15/25 08:40	06/15/25 14:24	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2539188	10	06/15/25 14:33	06/18/25 17:48	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2541796	1	06/20/25 04:56	06/22/25 01:20	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2539349	1	06/16/25 16:40	06/17/25 09:27	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2539358	5	06/16/25 16:44	06/17/25 17:24	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2538927	25	06/14/25 21:04	06/15/25 08:44	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538916	1	06/14/25 21:04	06/15/25 00:42	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2542148	1	06/19/25 16:32	06/20/25 14:06	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2542351	2	06/19/25 17:41	06/20/25 17:21	MBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2542472	1	06/20/25 15:00	06/21/25 03:02	TKW	Mt. Juliet, TN



SAMPLE SUMMARY

GACO0613T137-1CRS016 L1869905-17

Collected by
Aaron Musick

Collected date/time
06/13/25 09:25

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2541748	1	06/20/25 15:53	06/20/25 15:53	JTM	Mt. Juliet, TN
Calculated Results	WG2539012	1	06/15/25 08:40	06/21/25 14:10	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2538881	1	06/14/25 20:02	06/14/25 20:16	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2539507	1	06/17/25 12:56	06/18/25 13:22	LAS	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2542884	5	06/20/25 07:44	06/21/25 14:10	AEC	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2539253	1	06/18/25 21:15	06/26/25 19:18	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2542972	1	06/20/25 09:46	06/21/25 09:10	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2543008	1	06/20/25 09:50	06/24/25 20:30	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2539012	1	06/15/25 08:40	06/15/25 14:38	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2539188	5	06/15/25 14:33	06/18/25 17:48	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2541796	1	06/20/25 04:56	06/22/25 00:50	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2539349	1	06/16/25 16:40	06/17/25 09:29	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2539358	5	06/16/25 16:44	06/17/25 17:27	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2538927	25	06/14/25 21:04	06/15/25 09:07	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538916	1	06/14/25 21:04	06/15/25 01:01	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2542148	1	06/19/25 16:32	06/20/25 11:07	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2542351	1	06/19/25 17:41	06/20/25 14:11	MBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2542472	1	06/20/25 15:00	06/20/25 23:25	TKW	Mt. Juliet, TN



GACO0613T137-1CRT004 L1869905-18

Collected by
Aaron Musick

Collected date/time
06/13/25 07:00

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2539124	1	06/15/25 15:26	06/15/25 15:26	WHS	Mt. Juliet, TN

GACO0613T137-1CRS012 L1869905-19

Collected by
Aaron Musick

Collected date/time
06/13/25 08:50

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2541748	1	06/20/25 15:54	06/20/25 15:54	JTM	Mt. Juliet, TN
Calculated Results	WG2539012	1	06/15/25 08:40	06/21/25 14:12	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2538881	1	06/14/25 20:02	06/14/25 20:16	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2539507	1	06/17/25 12:56	06/18/25 13:25	LAS	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2542884	5	06/20/25 07:44	06/21/25 14:12	AEC	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2539253	1	06/18/25 21:15	06/26/25 19:27	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2542972	1	06/20/25 09:46	06/21/25 09:10	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2543008	1	06/20/25 09:50	06/24/25 20:30	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2539012	1	06/15/25 08:40	06/15/25 15:18	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2539188	15	06/15/25 14:33	06/18/25 17:48	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2541796	1	06/20/25 04:56	06/22/25 00:52	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2539349	1	06/16/25 16:40	06/17/25 08:39	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2539358	5	06/16/25 16:44	06/17/25 18:30	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2538927	25	06/14/25 21:04	06/15/25 09:30	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538916	1	06/14/25 21:04	06/15/25 01:20	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2542148	1	06/19/25 16:32	06/20/25 12:49	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2542351	2	06/19/25 17:41	06/20/25 17:44	MBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2545534	1	06/24/25 15:21	06/25/25 00:43	KB	Mt. Juliet, TN

SAMPLE SUMMARY

GACO0613T137-1CRC012 L1869905-20

Collected by
Aaron Musick

Collected date/time
06/13/25 08:50

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2541748	1	06/20/25 15:56	06/20/25 15:56	JTM	Mt. Juliet, TN
Calculated Results	WG2539012	1	06/15/25 08:40	06/21/25 14:14	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2538881	1	06/14/25 20:02	06/14/25 20:16	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2539507	1	06/17/25 12:56	06/18/25 13:26	LAS	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2542884	5	06/20/25 07:44	06/21/25 14:14	AEC	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2539253	1	06/18/25 21:15	06/26/25 19:36	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2542972	1	06/20/25 09:46	06/21/25 09:10	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2543008	1	06/20/25 09:50	06/24/25 20:30	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2539012	1	06/15/25 08:40	06/15/25 15:31	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2539188	14	06/15/25 14:33	06/18/25 17:49	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2541796	1	06/20/25 04:56	06/22/25 00:54	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2539349	1	06/16/25 16:40	06/17/25 08:40	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2539358	5	06/16/25 16:44	06/17/25 18:33	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2538927	25	06/14/25 21:04	06/15/25 09:53	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538916	1	06/14/25 21:04	06/15/25 01:39	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2542148	1	06/19/25 16:32	06/20/25 13:15	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2542351	2	06/19/25 17:41	06/20/25 03:55	JTO	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2542472	1	06/20/25 15:00	06/21/25 03:41	TKW	Mt. Juliet, TN



GACO0613T137-1CRS013 L1869905-21

Collected by
Aaron Musick

Collected date/time
06/13/25 08:45

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2541748	1	06/20/25 15:58	06/20/25 15:58	JTM	Mt. Juliet, TN
Calculated Results	WG2539012	1	06/15/25 08:40	06/21/25 14:16	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2538881	1	06/14/25 20:02	06/14/25 20:16	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2539507	1	06/17/25 12:56	06/18/25 13:29	LAS	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2542884	5	06/20/25 07:44	06/21/25 14:16	AEC	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2539253	1	06/18/25 21:15	06/26/25 19:54	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2542972	1	06/20/25 09:46	06/21/25 09:10	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2543008	1	06/20/25 09:50	06/24/25 20:30	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2539012	1	06/15/25 08:40	06/15/25 15:45	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2539188	15	06/15/25 14:33	06/18/25 17:49	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2541796	1	06/20/25 04:56	06/22/25 00:55	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2539349	1	06/16/25 16:40	06/17/25 08:42	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2539358	5	06/16/25 16:44	06/17/25 18:37	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2538927	25	06/14/25 21:04	06/15/25 10:16	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538916	1	06/14/25 21:04	06/15/25 01:58	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2542148	1	06/19/25 16:32	06/20/25 14:58	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2542351	2	06/19/25 17:41	06/20/25 06:03	JTO	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2542472	1	06/20/25 15:00	06/21/25 04:01	TKW	Mt. Juliet, TN

GACO0613T137-1CRS014 L1869905-22

Collected by
Aaron Musick

Collected date/time
06/13/25 08:55

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2541748	1	06/20/25 16:00	06/20/25 16:00	JTM	Mt. Juliet, TN
Calculated Results	WG2539012	1	06/15/25 08:40	06/21/25 14:22	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2538881	1	06/14/25 20:02	06/14/25 20:16	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2539507	1	06/17/25 12:56	06/18/25 13:30	LAS	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2542884	5	06/20/25 07:44	06/21/25 14:22	AEC	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2539253	1	06/18/25 21:15	06/26/25 20:03	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2542972	1	06/20/25 09:46	06/21/25 09:10	RJP	Mt. Juliet, TN

SAMPLE SUMMARY

GACO0613T137-1CRS014 L1869905-22

Collected by
Aaron Musick

Collected date/time
06/13/25 08:55

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9050AMod	WG2543008	1	06/20/25 09:50	06/24/25 20:30	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2539012	1	06/15/25 08:40	06/15/25 15:58	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2539188	17	06/15/25 14:33	06/18/25 17:49	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2541796	1	06/20/25 04:56	06/22/25 00:57	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2539349	1	06/16/25 16:40	06/17/25 08:44	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2539358	5	06/16/25 16:44	06/17/25 18:40	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2538927	25	06/14/25 21:04	06/15/25 10:40	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2538916	1	06/14/25 21:04	06/15/25 02:18	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2542148	1	06/19/25 16:32	06/20/25 14:58	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2542351	2	06/19/25 17:41	06/20/25 06:24	JTO	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2542472	1	06/20/25 15:00	06/21/25 04:40	TKW	Mt. Juliet, TN



GACO0613T137-1CRT005 L1869905-23

Collected by
Aaron Musick

Collected date/time
06/13/25 07:00

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2539124	1	06/15/25 15:48	06/15/25 15:48	WHS	Mt. Juliet, TN

GACO0613T137-1CRS001 L1869905-24

Collected by
Aaron Musick

Collected date/time
06/13/25 08:25

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2540194	1	06/16/25 10:40	06/17/25 11:48	ZRG	Mt. Juliet, TN

GACO0613T137-1CRC001 L1869905-25

Collected by
Aaron Musick

Collected date/time
06/13/25 08:25

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2540194	1	06/16/25 10:40	06/17/25 11:59	ZRG	Mt. Juliet, TN

GACO0613T137-1CRS002 L1869905-26

Collected by
Aaron Musick

Collected date/time
06/13/25 08:45

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2540194	1	06/16/25 10:40	06/17/25 12:40	ZRG	Mt. Juliet, TN

GACO0613T137-1CRS003 L1869905-27

Collected by
Aaron Musick

Collected date/time
06/13/25 08:55

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2540194	1	06/16/25 10:40	06/17/25 12:41	ZRG	Mt. Juliet, TN

GACO0613T137-1CRS004 L1869905-28

Collected by
Aaron Musick

Collected date/time
06/13/25 09:15

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2540194	1	06/16/25 10:40	06/17/25 12:42	ZRG	Mt. Juliet, TN

SAMPLE SUMMARY

GACO0613T137-1CRS005 L1869905-29

Collected by
Aaron Musick

Collected date/time
06/13/25 09:20

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2540194	1	06/16/25 10:40	06/17/25 12:44	ZRG	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

GACO0613T137-1CRS006 L1869905-30

Collected by
Aaron Musick

Collected date/time
06/13/25 09:25

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2540194	1	06/16/25 10:40	06/17/25 12:45	ZRG	Mt. Juliet, TN

GACO0613T137-1CRS015 L1869905-31

Collected by
Aaron Musick

Collected date/time
06/13/25 09:10

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2540194	1	06/16/25 10:40	06/17/25 12:47	ZRG	Mt. Juliet, TN

GACO0613T137-1CRS007 L1869905-32

Collected by
Aaron Musick

Collected date/time
06/13/25 09:35

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2540194	1	06/16/25 10:40	06/17/25 12:49	ZRG	Mt. Juliet, TN

GACO0613T137-1CRS008 L1869905-33

Collected by
Aaron Musick

Collected date/time
06/13/25 09:40

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2540194	1	06/16/25 10:40	06/17/25 12:50	ZRG	Mt. Juliet, TN

GACO0613T137-1CRS009 L1869905-34

Collected by
Aaron Musick

Collected date/time
06/13/25 08:30

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2540194	1	06/16/25 10:40	06/17/25 13:52	ZRG	Mt. Juliet, TN

GACO0613T137-1CRS010 L1869905-35

Collected by
Aaron Musick

Collected date/time
06/13/25 08:30

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2540194	1	06/16/25 10:40	06/17/25 13:53	ZRG	Mt. Juliet, TN

GACO0613T137-1CRS011 L1869905-36

Collected by
Aaron Musick

Collected date/time
06/13/25 08:40

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2540194	1	06/16/25 10:40	06/17/25 13:54	ZRG	Mt. Juliet, TN

SAMPLE SUMMARY

GACO0613T137-1CRS016 L1869905-37

Collected by
Aaron Musick

Collected date/time
06/13/25 09:25

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2540194	1	06/16/25 10:40	06/17/25 13:55	ZRG	Mt. Juliet, TN

¹Cp

²Tc

³Ss

GACO0613T137-1CRS012 L1869905-38

Collected by
Aaron Musick

Collected date/time
06/13/25 08:50

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2540279	1	06/16/25 11:35	06/17/25 14:00	DDD	Mt. Juliet, TN

⁴Cn

⁵Ds

GACO0613T137-1CRC012 L1869905-39

Collected by
Aaron Musick

Collected date/time
06/13/25 08:50

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2540279	1	06/16/25 11:35	06/17/25 14:15	DDD	Mt. Juliet, TN

⁶Sr

⁷Qc

GACO0613T137-1CRS013 L1869905-40

Collected by
Aaron Musick

Collected date/time
06/13/25 08:45

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2540279	1	06/16/25 11:35	06/17/25 14:40	DDD	Mt. Juliet, TN

⁸Gl

⁹Al

GACO0613T137-1CRS014 L1869905-41

Collected by
Aaron Musick

Collected date/time
06/13/25 08:55

Received date/time
06/14/25 15:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2540279	1	06/16/25 11:35	06/17/25 14:41	DDD	Mt. Juliet, TN

¹⁰Sc

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jared Starkey
Project Manager

Project Comments

WG2542351, WG2541977 & WG2541972 - Benzidine 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
WG2542881	(MS) R4233845-3	Kjeldahl Nitrogen, TKN
WG2542881	(DUP) R4233845-4	Kjeldahl Nitrogen, TKN
WG2542881	(DUP) R4233845-5	Kjeldahl Nitrogen, TKN
WG2542881	(MS) R4233845-6	Kjeldahl Nitrogen, TKN
WG2542881	(MSD) R4233845-7	Kjeldahl Nitrogen, TKN
WG2542884	(MS) R4234026-3	Kjeldahl Nitrogen, TKN
WG2542884	(MSD) R4234026-4	Kjeldahl Nitrogen, TKN
WG2542884	(MS) R4234026-7	Kjeldahl Nitrogen, TKN
WG2542884	(MS) R4234026-8	Kjeldahl Nitrogen, TKN
WG2542884	(MS) R4234026-9	Kjeldahl Nitrogen, TKN

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

Batch	Lab Sample ID	Analytes
WG2542884	(DUP) R4234026-5	Kjeldahl Nitrogen, TKN

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

Batch	Lab Sample ID	Analytes
WG2542884	(MS) R4234026-3, (MS) R4234026-9	Kjeldahl Nitrogen, TKN

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

Batch	Lab Sample ID	Analytes
WG2542881	(MS) R4233845-6, (MSD) R4233845-7	Kjeldahl Nitrogen, TKN
WG2542884	(MS) R4234026-8, (MSD) R4234026-4, L1869905-11	Kjeldahl Nitrogen, TKN

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

Batch	Lab Sample ID	Analytes
WG2542884	(MSD) R4234026-4, L1869905-11	Kjeldahl Nitrogen, TKN



CASE NARRATIVE

Wet Chemistry by Method 7199

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

Batch	Lab Sample ID	Analytes
WG2539253	(MSD) R4236981-5, L1869905-11	Hexavalent Chromium

Metals (ICP) by Method 6010D

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

Batch	Lab Sample ID	Analytes
WG2539349	(MS) R4231721-5, (MSD) R4231721-6, L1869905-11	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
WG2539349	(MS) R4231721-5, (MSD) R4231721-6, L1869905-11	Antimony and Manganese

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

Batch	Lab Sample ID	Analytes
WG2539349	(MSD) R4231721-6	Calcium

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
WG2539349	L1869905-11	Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium and Vanadium

Metals (ICPMS) by Method 6020B

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

Batch	Lab Sample ID	Analytes
WG2539358	(MS) R4231824-5, (MSD) R4231824-6, L1869905-11	Zinc

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
WG2539358	L1869905-11	Zinc
WG2544947	L1869905-09	Arsenic and Nickel

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
WG2538915	L1869905-01	Acetone
WG2538915	L1869905-02	Acetone
WG2538915	L1869905-03	Acetone
WG2538915	L1869905-04	Acetone
WG2538915	L1869905-06	Acetone
WG2538915	L1869905-07	Acetone
WG2538916	L1869905-08	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 2,2-Dichloropropane, Acetone, Bromomethane, Chloroethane and Hexachloro-1,3-butadiene
WG2538916	L1869905-09	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 2,2-Dichloropropane, Acetone, Bromomethane, Chloroethane and Hexachloro-1,3-butadiene
WG2538916	L1869905-11	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 2,2-Dichloropropane, Acetone, Bromomethane, Chloroethane and Hexachloro-1,3-butadiene
WG2538916	L1869905-12	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 2,2-Dichloropropane, Acetone, Bromomethane, Chloroethane and Hexachloro-1,3-butadiene
WG2538916	L1869905-14	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 2,2-Dichloropropane, Acetone, Bromomethane, Chloroethane and Hexachloro-1,3-butadiene
WG2538916	L1869905-15	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 2,2-Dichloropropane, Acetone, Bromomethane, Chloroethane and Hexachloro-1,3-butadiene



CASE NARRATIVE

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

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

Batch	Lab Sample ID	Analytes
WG2538916	L1869905-16	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 2,2-Dichloropropane, Acetone, Bromomethane, Chloroethane and Hexachloro-1,3-butadiene
WG2538916	L1869905-17	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 2,2-Dichloropropane, Acetone, Bromomethane, Chloroethane and Hexachloro-1,3-butadiene
WG2538916	L1869905-19	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 2,2-Dichloropropane, Acetone, Bromomethane, Chloroethane and Hexachloro-1,3-butadiene
WG2538916	L1869905-20	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 2,2-Dichloropropane, Acetone, Bromomethane, Chloroethane and Hexachloro-1,3-butadiene
WG2538916	L1869905-21	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 2,2-Dichloropropane, Acetone, Bromomethane, Chloroethane and Hexachloro-1,3-butadiene
WG2538916	L1869905-22	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 2,2-Dichloropropane, Acetone, Bromomethane, Chloroethane and Hexachloro-1,3-butadiene
WG2539124	L1869905-05	1,2,4-Trichlorobenzene
WG2539124	L1869905-10	1,2,4-Trichlorobenzene
WG2539124	L1869905-13	1,2,4-Trichlorobenzene
WG2539124	L1869905-18	1,2,4-Trichlorobenzene
WG2539124	L1869905-23	1,2,4-Trichlorobenzene

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

Batch	Lab Sample ID	Analytes
WG2538916	(LCS) R4230662-1, L1869905-08, 09, 11, 12, 14, 15, 16, 17, 19, 20, 21, 22	2-Butanone (MEK)

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

Batch	Lab Sample ID	Analytes
WG2538916	(LCSD) R4230662-2, L1869905-08, 09, 11, 12, 14, 15, 16, 17, 19, 20, 21, 22	2-Butanone (MEK) and Chloroethane

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

Batch	Lab Sample ID	Analytes
WG2538916	(MSD) R4230662-5	2-Butanone (MEK)

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

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

Batch	Lab Sample ID	Analytes
WG2542147	(MSD) R4233571-4	C10-C28 Diesel Range

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

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

Batch	Lab Sample ID	Analytes
WG2541977	L1869905-01	Hexachlorocyclopentadiene
WG2541977	L1869905-02	Hexachlorocyclopentadiene
WG2541977	L1869905-03	Hexachlorocyclopentadiene
WG2541977	L1869905-04	Hexachlorocyclopentadiene
WG2541977	L1869905-06	Hexachlorocyclopentadiene
WG2541977	L1869905-07	Hexachlorocyclopentadiene
WG2541977	L1869905-08	Hexachlorocyclopentadiene
WG2541977	L1869905-09	Hexachlorocyclopentadiene
WG2542351	L1869905-11	Hexachlorocyclopentadiene
WG2542351	L1869905-12	Hexachlorocyclopentadiene
WG2542351	L1869905-14	Hexachlorocyclopentadiene
WG2542351	L1869905-15	Hexachlorocyclopentadiene
WG2542351	L1869905-16	Hexachlorocyclopentadiene
WG2542351	L1869905-17	Hexachlorocyclopentadiene
WG2542351	L1869905-19	Hexachlorocyclopentadiene



CASE NARRATIVE

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

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

Batch	Lab Sample ID	Analytes
WG2542351	L1869905-20	Hexachlorocyclopentadiene
WG2542351	L1869905-21	Hexachlorocyclopentadiene
WG2542351	L1869905-22	Hexachlorocyclopentadiene

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
WG2541977	L1869905-01	n-Nitrosodimethylamine
WG2541977	L1869905-02	n-Nitrosodimethylamine
WG2541977	L1869905-03	n-Nitrosodimethylamine
WG2541977	L1869905-04	n-Nitrosodimethylamine
WG2541977	L1869905-06	n-Nitrosodimethylamine
WG2541977	L1869905-07	n-Nitrosodimethylamine
WG2541977	L1869905-08	n-Nitrosodimethylamine
WG2541977	L1869905-09	n-Nitrosodimethylamine
WG2542351	L1869905-11	n-Nitrosodimethylamine
WG2542351	L1869905-12	n-Nitrosodimethylamine
WG2542351	L1869905-14	n-Nitrosodimethylamine
WG2542351	L1869905-15	Hexachlorocyclopentadiene and Pentachlorophenol
WG2542351	L1869905-16	n-Nitrosodimethylamine
WG2542351	L1869905-17	n-Nitrosodimethylamine
WG2542351	L1869905-19	n-Nitrosodimethylamine
WG2542351	L1869905-20	Hexachlorocyclopentadiene and Pentachlorophenol
WG2542351	L1869905-21	Hexachlorocyclopentadiene and Pentachlorophenol
WG2542351	L1869905-22	Hexachlorocyclopentadiene and Pentachlorophenol

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

Batch	Lab Sample ID	Analytes
WG2541977	(LCS) R4233547-1, L1869905-01, 02, 03, 04, 06, 07, 08, 09	Benzidine
WG2542351	(LCS) R4233467-1, L1869905-11, 12, 14, 15, 16, 17, 19, 20, 21, 22	Benzidine

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

Batch	Lab Sample ID	Analytes
WG2541977	(MS) R4233512-1, (MSD) R4233512-2	Benzidine and Hexachlorocyclopentadiene
WG2542351	(MS) R4233796-1, (MSD) R4233796-2, L1869905-11	Benzidine and Hexachlorocyclopentadiene

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

Batch	Lab Sample ID	Analytes
WG2541977	(MSD) R4233512-2	3,3-Dichlorobenzidine

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
WG2542472	2-Fluorobiphenyl	(BLANK) R4235125-2
WG2542472	p-Terphenyl-d14	(BLANK) R4235125-2, (LCS) R4235125-1, L1869905-08, 22

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

Batch	Lab Sample ID	Analytes
WG2542472	(LCS) R4235125-1, L1869905-07, 08, 09, 11, 12, 14, 15, 16, 17, 20, 21, 22	Benzo(b)fluoranthene



DETECTION SUMMARY

Calculated Results

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0613T137-1CRS001	L1869905-01	Total Nitrogen	1900		23.7	1	06/20/2025 22:32	WG2539006
GACO0613T137-1CRCO01	L1869905-02	Total Nitrogen	2200		23.3	1	06/20/2025 22:34	WG2539006
GACO0613T137-1CRS002	L1869905-03	Total Nitrogen	833		23.7	1	06/20/2025 22:35	WG2539006
GACO0613T137-1CRS003	L1869905-04	Total Nitrogen	1290		22.1	1	06/20/2025 22:37	WG2539006
GACO0613T137-1CRS004	L1869905-06	Total Nitrogen	4260		130	1	06/20/2025 22:39	WG2539012
GACO0613T137-1CRS005	L1869905-07	Total Nitrogen	856		21.9	1	06/20/2025 22:41	WG2539012
GACO0613T137-1CRS006	L1869905-08	Total Nitrogen	591		23.3	1	06/20/2025 22:43	WG2539012
GACO0613T137-1CRS015	L1869905-09	Total Nitrogen	3190		24.4	1	06/21/2025 13:55	WG2539012
GACO0613T137-1CRS007	L1869905-11	Total Nitrogen	841		22.1	1	06/21/2025 13:57	WG2541132
GACO0613T137-1CRS008	L1869905-12	Total Nitrogen	2610		116	1	06/21/2025 14:03	WG2539012
GACO0613T137-1CRS009	L1869905-14	Total Nitrogen	4290		26.6	1	06/21/2025 14:05	WG2539012
GACO0613T137-1CRS010	L1869905-15	Total Nitrogen	2890		22.4	1	06/21/2025 14:06	WG2539012
GACO0613T137-1CRS011	L1869905-16	Total Nitrogen	3110		29.2	1	06/21/2025 14:08	WG2539012
GACO0613T137-1CRS016	L1869905-17	Total Nitrogen	1650		22.8	1	06/21/2025 14:10	WG2539012
GACO0613T137-1CRS012	L1869905-19	Total Nitrogen	4140		21.6	1	06/21/2025 14:12	WG2539012
GACO0613T137-1CRCO12	L1869905-20	Total Nitrogen	2860		21.8	1	06/21/2025 14:14	WG2539012
GACO0613T137-1CRS013	L1869905-21	Total Nitrogen	2760		21.5	1	06/21/2025 14:16	WG2539012
GACO0613T137-1CRS014	L1869905-22	Total Nitrogen	1110		21.0	1	06/21/2025 14:22	WG2539012

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Client ID	Lab Sample ID	Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
GACO0613T137-1CRS001	L1869905-24	Actinium-228 (Ra-228)	0.700		0.257	0.257	0.558	0.247	06/17/2025 11:48	WG2540194
GACO0613T137-1CRS001	L1869905-24	Bismuth-214 (Ra-226)	0.381		0.180	0.180	0.306	0.138	06/17/2025 11:48	WG2540194
GACO0613T137-1CRS001	L1869905-24	Lead-214	0.497		0.163	0.163	0.296	0.136	06/17/2025 11:48	WG2540194
GACO0613T137-1CRS001	L1869905-24	Thorium-234 (U-238)	-0.681	U	1.45	1.45	3.21	1.27	06/17/2025 11:48	WG2540194
GACO0613T137-1CRS001	L1869905-24	Radium-226 (186 KeV)	0.266	U	0.882	0.882	1.73	0.809	06/17/2025 11:48	WG2540194
GACO0613T137-1CRCO01	L1869905-25	Actinium-228 (Ra-228)	0.998		0.268	0.268	0.488	0.215	06/17/2025 11:59	WG2540194
GACO0613T137-1CRCO01	L1869905-25	Bismuth-214 (Ra-226)	0.798		0.190	0.190	0.254	0.114	06/17/2025 11:59	WG2540194
GACO0613T137-1CRCO01	L1869905-25	Lead-214	0.786		0.177	0.177	0.213	0.0961	06/17/2025 11:59	WG2540194
GACO0613T137-1CRCO01	L1869905-25	Thorium-234 (U-238)	-0.297	U	1.24	1.24	2.87	1.14	06/17/2025 11:59	WG2540194
GACO0613T137-1CRCO01	L1869905-25	Radium-226 (186 KeV)	1.25	J	0.802	0.802	1.43	0.671	06/17/2025 11:59	WG2540194

DETECTION SUMMARY

Radiochemistry by Method DOE Ga-01-R/901.1

Client ID	Lab Sample ID	Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
GACO0613T137-1CRS002	L1869905-26	Actinium-228 (Ra-228)	0.990		0.262	0.262	0.433	0.185	06/17/2025 12:40	WG2540194
GACO0613T137-1CRS002	L1869905-26	Bismuth-214 (Ra-226)	0.512		0.169	0.169	0.251	0.112	06/17/2025 12:40	WG2540194
GACO0613T137-1CRS002	L1869905-26	Lead-214	0.604		0.153	0.153	0.247	0.112	06/17/2025 12:40	WG2540194
GACO0613T137-1CRS002	L1869905-26	Thorium-234 (U-238)	1.05	J	0.851	0.851	1.85	0.741	06/17/2025 12:40	WG2540194
GACO0613T137-1CRS002	L1869905-26	Radium-226 (186 KeV)	1.57		0.754	0.754	1.25	0.583	06/17/2025 12:40	WG2540194
GACO0613T137-1CRS003	L1869905-27	Actinium-228 (Ra-228)	0.979		0.416	0.416	0.890	0.396	06/17/2025 12:41	WG2540194
GACO0613T137-1CRS003	L1869905-27	Bismuth-214 (Ra-226)	0.729		0.269	0.269	0.414	0.185	06/17/2025 12:41	WG2540194
GACO0613T137-1CRS003	L1869905-27	Lead-214	0.738		0.209	0.209	0.332	0.149	06/17/2025 12:41	WG2540194
GACO0613T137-1CRS003	L1869905-27	Thorium-234 (U-238)	-0.361	U	1.70	1.70	3.84	1.52	06/17/2025 12:41	WG2540194
GACO0613T137-1CRS003	L1869905-27	Radium-226 (186 KeV)	0.926	J	1.07	1.07	1.99	0.930	06/17/2025 12:41	WG2540194
GACO0613T137-1CRS004	L1869905-28	Actinium-228 (Ra-228)	0.754		0.244	0.244	0.515	0.230	06/17/2025 12:42	WG2540194
GACO0613T137-1CRS004	L1869905-28	Bismuth-214 (Ra-226)	0.489		0.165	0.165	0.260	0.118	06/17/2025 12:42	WG2540194
GACO0613T137-1CRS004	L1869905-28	Lead-214	0.500		0.139	0.139	0.212	0.0958	06/17/2025 12:42	WG2540194
GACO0613T137-1CRS004	L1869905-28	Thorium-234 (U-238)	-1.45	U	1.39	1.39	2.94	1.16	06/17/2025 12:42	WG2540194
GACO0613T137-1CRS004	L1869905-28	Radium-226 (186 KeV)	1.11	J	0.775	0.775	1.41	0.659	06/17/2025 12:42	WG2540194
GACO0613T137-1CRS005	L1869905-29	Actinium-228 (Ra-228)	1.02		0.326	0.326	0.618	0.262	06/17/2025 12:44	WG2540194
GACO0613T137-1CRS005	L1869905-29	Bismuth-214 (Ra-226)	0.645		0.222	0.222	0.324	0.142	06/17/2025 12:44	WG2540194
GACO0613T137-1CRS005	L1869905-29	Lead-214	0.720		0.180	0.180	0.274	0.121	06/17/2025 12:44	WG2540194
GACO0613T137-1CRS005	L1869905-29	Thorium-234 (U-238)	1.91	J	1.36	1.36	2.38	0.924	06/17/2025 12:44	WG2540194
GACO0613T137-1CRS005	L1869905-29	Radium-226 (186 KeV)	1.59		0.902	0.902	1.56	0.717	06/17/2025 12:44	WG2540194
GACO0613T137-1CRS006	L1869905-30	Actinium-228 (Ra-228)	0.918		0.285	0.285	0.547	0.235	06/17/2025 12:45	WG2540194
GACO0613T137-1CRS006	L1869905-30	Bismuth-214 (Ra-226)	0.696		0.194	0.194	0.261	0.115	06/17/2025 12:45	WG2540194
GACO0613T137-1CRS006	L1869905-30	Lead-214	0.699		0.215	0.215	0.197	0.0879	06/17/2025 12:45	WG2540194
GACO0613T137-1CRS006	L1869905-30	Thorium-234 (U-238)	0.986	J	0.812	0.812	1.64	0.648	06/17/2025 12:45	WG2540194
GACO0613T137-1CRS006	L1869905-30	Radium-226 (186 KeV)	0.940		0.528	0.528	0.847	0.391	06/17/2025 12:45	WG2540194
GACO0613T137-1CRS015	L1869905-31	Actinium-228 (Ra-228)	0.955		0.246	0.246	0.399	0.173	06/17/2025 12:47	WG2540194
GACO0613T137-1CRS015	L1869905-31	Bismuth-214 (Ra-226)	0.534		0.163	0.163	0.241	0.108	06/17/2025 12:47	WG2540194
GACO0613T137-1CRS015	L1869905-31	Lead-214	0.808		0.180	0.180	0.228	0.104	06/17/2025 12:47	WG2540194
GACO0613T137-1CRS015	L1869905-31	Thorium-234 (U-238)	1.21	J	1.26	1.26	2.41	0.952	06/17/2025 12:47	WG2540194
GACO0613T137-1CRS015	L1869905-31	Radium-226 (186 KeV)	0.564	U	0.726	0.726	1.37	0.641	06/17/2025 12:47	WG2540194

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

DETECTION SUMMARY

Radiochemistry by Method DOE Ga-01-R/901.1

Client ID	Lab Sample ID	Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
GACO0613T137-1CRS007	L1869905-32	Actinium-228 (Ra-228)	0.940		0.412	0.412	0.905	0.373	06/17/2025 12:49	WG2540194
GACO0613T137-1CRS007	L1869905-32	Bismuth-214 (Ra-226)	0.815		0.298	0.298	0.423	0.179	06/17/2025 12:49	WG2540194
GACO0613T137-1CRS007	L1869905-32	Lead-214	0.664		0.237	0.237	0.413	0.183	06/17/2025 12:49	WG2540194
GACO0613T137-1CRS007	L1869905-32	Thorium-234 (U-238)	0.337	U	0.887	0.887	2.35	0.924	06/17/2025 12:49	WG2540194
GACO0613T137-1CRS007	L1869905-32	Radium-226 (186 KeV)	0.982	J	1.14	1.14	1.97	0.906	06/17/2025 12:49	WG2540194
GACO0613T137-1CRS008	L1869905-33	Actinium-228 (Ra-228)	0.702		0.239	0.239	0.413	0.178	06/17/2025 12:50	WG2540194
GACO0613T137-1CRS008	L1869905-33	Bismuth-214 (Ra-226)	0.717		0.160	0.160	0.191	0.0834	06/17/2025 12:50	WG2540194
GACO0613T137-1CRS008	L1869905-33	Lead-214	0.744		0.130	0.130	0.162	0.0721	06/17/2025 12:50	WG2540194
GACO0613T137-1CRS008	L1869905-33	Thorium-234 (U-238)	0.882	J	0.728	0.728	1.46	0.582	06/17/2025 12:50	WG2540194
GACO0613T137-1CRS008	L1869905-33	Radium-226 (186 KeV)	0.950	J	0.631	0.631	1.03	0.479	06/17/2025 12:50	WG2540194
GACO0613T137-1CRS009	L1869905-34	Actinium-228 (Ra-228)	0.779		0.295	0.295	0.532	0.221	06/17/2025 13:52	WG2540194
GACO0613T137-1CRS009	L1869905-34	Bismuth-214 (Ra-226)	0.593		0.217	0.217	0.330	0.146	06/17/2025 13:52	WG2540194
GACO0613T137-1CRS009	L1869905-34	Lead-214	0.700		0.190	0.190	0.299	0.134	06/17/2025 13:52	WG2540194
GACO0613T137-1CRS009	L1869905-34	Thorium-234 (U-238)	1.09	U	1.00	1.00	2.23	0.886	06/17/2025 13:52	WG2540194
GACO0613T137-1CRS009	L1869905-34	Radium-226 (186 KeV)	1.52	J	0.952	0.952	1.63	0.757	06/17/2025 13:52	WG2540194
GACO0613T137-1CRS010	L1869905-35	Actinium-228 (Ra-228)	0.630		0.247	0.247	0.464	0.199	06/17/2025 13:53	WG2540194
GACO0613T137-1CRS010	L1869905-35	Bismuth-214 (Ra-226)	0.670		0.180	0.180	0.250	0.111	06/17/2025 13:53	WG2540194
GACO0613T137-1CRS010	L1869905-35	Lead-214	0.683		0.174	0.174	0.220	0.0984	06/17/2025 13:53	WG2540194
GACO0613T137-1CRS010	L1869905-35	Thorium-234 (U-238)	0.845	U	1.39	1.39	2.98	1.18	06/17/2025 13:53	WG2540194
GACO0613T137-1CRS010	L1869905-35	Radium-226 (186 KeV)	0.663	U	0.800	0.800	1.50	0.701	06/17/2025 13:53	WG2540194
GACO0613T137-1CRS011	L1869905-36	Actinium-228 (Ra-228)	0.768		0.338	0.338	0.755	0.336	06/17/2025 13:54	WG2540194
GACO0613T137-1CRS011	L1869905-36	Bismuth-214 (Ra-226)	0.740		0.222	0.222	0.308	0.136	06/17/2025 13:54	WG2540194
GACO0613T137-1CRS011	L1869905-36	Lead-214	0.552		0.184	0.184	0.330	0.150	06/17/2025 13:54	WG2540194
GACO0613T137-1CRS011	L1869905-36	Thorium-234 (U-238)	0.960	U	1.56	1.56	3.21	1.27	06/17/2025 13:54	WG2540194
GACO0613T137-1CRS011	L1869905-36	Radium-226 (186 KeV)	0.639	U	0.828	0.828	1.55	0.720	06/17/2025 13:54	WG2540194
GACO0613T137-1CRS016	L1869905-37	Actinium-228 (Ra-228)	0.982		0.261	0.261	0.498	0.223	06/17/2025 13:55	WG2540194
GACO0613T137-1CRS016	L1869905-37	Bismuth-214 (Ra-226)	0.636		0.175	0.175	0.260	0.118	06/17/2025 13:55	WG2540194
GACO0613T137-1CRS016	L1869905-37	Lead-214	0.443		0.139	0.139	0.245	0.113	06/17/2025 13:55	WG2540194
GACO0613T137-1CRS016	L1869905-37	Thorium-234 (U-238)	-0.598	U	1.30	1.30	2.84	1.12	06/17/2025 13:55	WG2540194
GACO0613T137-1CRS016	L1869905-37	Radium-226 (186 KeV)	0.500	U	0.777	0.777	1.49	0.696	06/17/2025 13:55	WG2540194

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

DETECTION SUMMARY

Radiochemistry by Method DOE Ga-01-R/901.1

Client ID	Lab Sample ID	Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
GACO0613T137-1CRSO 12	L1869905-38	Actinium-228 (Ra-228)	0.686		0.216	0.216	0.388	0.165	06/17/2025 14:00	WG254027
GACO0613T137-1CRSO 12	L1869905-38	Bismuth-214 (Ra-226)	0.489		0.146	0.146	0.204	0.0898	06/17/2025 14:00	WG254027
GACO0613T137-1CRSO 12	L1869905-38	Lead-214	0.550		0.123	0.123	0.180	0.0811	06/17/2025 14:00	WG254027
GACO0613T137-1CRSO 12	L1869905-38	Thorium-234 (U-238)	0.875	J	0.730	0.730	1.51	0.601	06/17/2025 14:00	WG254027
GACO0613T137-1CRSO 12	L1869905-38	Radium-226 (186 KeV)	1.07		0.606	0.606	0.968	0.450	06/17/2025 14:00	WG254027
GACO0613T137-1CRCO 12	L1869905-39	Actinium-228 (Ra-228)	0.550	J	0.363	0.363	0.902	0.385	06/17/2025 14:15	WG254027
GACO0613T137-1CRCO 12	L1869905-39	Bismuth-214 (Ra-226)	0.613		0.242	0.242	0.346	0.146	06/17/2025 14:15	WG254027
GACO0613T137-1CRCO 12	L1869905-39	Lead-214	0.818		0.213	0.213	0.311	0.136	06/17/2025 14:15	WG254027
GACO0613T137-1CRCO 12	L1869905-39	Thorium-234 (U-238)	0.233	U	0.775	0.775	2.01	0.795	06/17/2025 14:15	WG254027
GACO0613T137-1CRCO 12	L1869905-39	Radium-226 (186 KeV)	1.19	J	0.992	0.992	1.66	0.767	06/17/2025 14:15	WG254027
GACO0613T137-1CRSO 13	L1869905-40	Actinium-228 (Ra-228)	0.824		0.221	0.221	0.400	0.176	06/17/2025 14:40	WG254027
GACO0613T137-1CRSO 13	L1869905-40	Bismuth-214 (Ra-226)	0.573		0.147	0.147	0.205	0.0922	06/17/2025 14:40	WG254027
GACO0613T137-1CRSO 13	L1869905-40	Lead-214	0.662		0.157	0.157	0.207	0.0950	06/17/2025 14:40	WG254027
GACO0613T137-1CRSO 13	L1869905-40	Thorium-234 (U-238)	0.521	U	1.00	1.00	2.23	0.883	06/17/2025 14:40	WG254027
GACO0613T137-1CRSO 13	L1869905-40	Radium-226 (186 KeV)	1.02	J	0.642	0.642	1.15	0.536	06/17/2025 14:40	WG254027
GACO0613T137-1CRSO 14	L1869905-41	Actinium-228 (Ra-228)	1.24		0.435	0.435	0.877	0.388	06/17/2025 14:41	WG254027
GACO0613T137-1CRSO 14	L1869905-41	Bismuth-214 (Ra-226)	0.628		0.254	0.254	0.400	0.178	06/17/2025 14:41	WG254027
GACO0613T137-1CRSO 14	L1869905-41	Lead-214	0.755		0.217	0.217	0.349	0.157	06/17/2025 14:41	WG254027
GACO0613T137-1CRSO 14	L1869905-41	Thorium-234 (U-238)	2.24	J	2.02	2.02	3.77	1.49	06/17/2025 14:41	WG254027
GACO0613T137-1CRSO 14	L1869905-41	Radium-226 (186 KeV)	1.38	J	1.12	1.12	2.04	0.949	06/17/2025 14:41	WG254027

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Wet Chemistry by Method 350.1

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0613T137-1CRSO 04	L1869905-06	Ammonia Nitrogen	820		13.0	1	06/18/2025 12:54	WG2539507
GACO0613T137-1CRSO 08	L1869905-12	Ammonia Nitrogen	305		11.6	1	06/18/2025 13:09	WG2539507

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
GACO0613T137-1CRSO 01	L1869905-01	Kjeldahl Nitrogen, TKN	1870		119	5	06/20/2025 22:32	WG2542881
GACO0613T137-1CRCO 01	L1869905-02	Kjeldahl Nitrogen, TKN	2160		117	5	06/20/2025 22:34	WG2542881
GACO0613T137-1CRSO 02	L1869905-03	Kjeldahl Nitrogen, TKN	829		119	5	06/20/2025 22:35	WG2542881
GACO0613T137-1CRSO 03	L1869905-04	Kjeldahl Nitrogen, TKN	1280		110	5	06/20/2025 22:37	WG2542881
GACO0613T137-1CRSO 04	L1869905-06	Kjeldahl Nitrogen, TKN	3920		130	5	06/20/2025 22:39	WG2542881

DETECTION SUMMARY

Wet Chemistry by Method 4500NOrg D-2021

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0613T137-1CRSO 05	L1869905-07	Kjeldahl Nitrogen, TKN	846		109	5	06/20/2025 22:41	WG2542881
GACO0613T137-1CRSO 06	L1869905-08	Kjeldahl Nitrogen, TKN	589		116	5	06/20/2025 22:43	WG2542881
GACO0613T137-1CRSO 15	L1869905-09	Kjeldahl Nitrogen, TKN	3180		122	5	06/21/2025 13:55	WG2542884
GACO0613T137-1CRSO 07	L1869905-11	Kjeldahl Nitrogen, TKN	807	J3 J6	22.1	1	06/21/2025 13:57	WG2542884
GACO0613T137-1CRSO 08	L1869905-12	Kjeldahl Nitrogen, TKN	2110		116	5	06/21/2025 14:03	WG2542884
GACO0613T137-1CRSO 09	L1869905-14	Kjeldahl Nitrogen, TKN	4280		133	5	06/21/2025 14:05	WG2542884
GACO0613T137-1CRSO 10	L1869905-15	Kjeldahl Nitrogen, TKN	2830		112	5	06/21/2025 14:06	WG2542884
GACO0613T137-1CRSO 11	L1869905-16	Kjeldahl Nitrogen, TKN	3100		146	5	06/21/2025 14:08	WG2542884
GACO0613T137-1CRSO 16	L1869905-17	Kjeldahl Nitrogen, TKN	1650		114	5	06/21/2025 14:10	WG2542884
GACO0613T137-1CRSO 12	L1869905-19	Kjeldahl Nitrogen, TKN	4090		108	5	06/21/2025 14:12	WG2542884
GACO0613T137-1CRCO 12	L1869905-20	Kjeldahl Nitrogen, TKN	2810		109	5	06/21/2025 14:14	WG2542884
GACO0613T137-1CRSO 13	L1869905-21	Kjeldahl Nitrogen, TKN	2740		107	5	06/21/2025 14:16	WG2542884
GACO0613T137-1CRSO 14	L1869905-22	Kjeldahl Nitrogen, TKN	1110		105	5	06/21/2025 14:22	WG2542884

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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
GACO0613T137-1CRSO 06	L1869905-08	Hexavalent Chromium	0.314		0.233	1	06/26/2025 15:55	WG2539253

Wet Chemistry by Method 9050AMod

Client ID	Lab Sample ID	Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
GACO0613T137-1CRSO 01	L1869905-01	Specific Conductance	550	umhos/cm		10.0	1	06/21/2025 14:08	WG2542966
GACO0613T137-1CRCO 01	L1869905-02	Specific Conductance	519	umhos/cm		10.0	1	06/21/2025 14:08	WG2542966
GACO0613T137-1CRSO 02	L1869905-03	Specific Conductance	321	umhos/cm		10.0	1	06/21/2025 14:08	WG2542966
GACO0613T137-1CRSO 03	L1869905-04	Specific Conductance	339	umhos/cm		10.0	1	06/21/2025 14:08	WG2542966
GACO0613T137-1CRSO 04	L1869905-06	Specific Conductance	3650	umhos/cm		10.0	1	06/21/2025 14:08	WG2542966
GACO0613T137-1CRSO 05	L1869905-07	Specific Conductance	386	umhos/cm		10.0	1	06/21/2025 14:08	WG2542966
GACO0613T137-1CRSO 06	L1869905-08	Specific Conductance	254	umhos/cm		10.0	1	06/21/2025 14:08	WG2542966
GACO0613T137-1CRSO 15	L1869905-09	Specific Conductance	382	umhos/cm		10.0	1	06/21/2025 14:08	WG2542966
GACO0613T137-1CRSO 07	L1869905-11	Specific Conductance	953	umhos/cm		10.0	1	06/21/2025 14:08	WG2542966
GACO0613T137-1CRSO 08	L1869905-12	Specific Conductance	4040	umhos/cm		10.0	1	06/24/2025 20:30	WG2543008
GACO0613T137-1CRSO 09	L1869905-14	Specific Conductance	890	umhos/cm		10.0	1	06/24/2025 20:30	WG2543008
GACO0613T137-1CRSO 10	L1869905-15	Specific Conductance	930	umhos/cm		10.0	1	06/24/2025 20:30	WG2543008
GACO0613T137-1CRSO 11	L1869905-16	Specific Conductance	932	umhos/cm		10.0	1	06/24/2025 20:30	WG2543008
GACO0613T137-1CRSO 16	L1869905-17	Specific Conductance	564	umhos/cm		10.0	1	06/24/2025 20:30	WG2543008

DETECTION SUMMARY

Wet Chemistry by Method 9050AMod

Client ID	Lab Sample ID	Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
GACO0613T137-1CRSO12	L1869905-19	Specific Conductance	972	umhos/cm		10.0	1	06/24/2025 20:30	WG2543008
GACO0613T137-1CRCO12	L1869905-20	Specific Conductance	1020	umhos/cm		10.0	1	06/24/2025 20:30	WG2543008
GACO0613T137-1CRSO13	L1869905-21	Specific Conductance	604	umhos/cm		10.0	1	06/24/2025 20:30	WG2543008
GACO0613T137-1CRSO14	L1869905-22	Specific Conductance	133	umhos/cm		10.0	1	06/24/2025 20:30	WG2543008

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

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
GACO0613T137-1CRSO01	L1869905-01	Nitrate-Nitrite	29.8		23.7	1	06/15/2025 15:47	WG2539006
GACO0613T137-1CRCO01	L1869905-02	Nitrate-Nitrite	41.6		23.3	1	06/15/2025 16:00	WG2539006
GACO0613T137-1CRSO04	L1869905-06	Nitrate-Nitrite	335		130	5	06/16/2025 21:08	WG2539012
GACO0613T137-1CRSO08	L1869905-12	Nitrate-Nitrite	498		232	10	06/15/2025 13:44	WG2539012
GACO0613T137-1CRSO10	L1869905-15	Nitrate-Nitrite	57.3		22.4	1	06/15/2025 14:11	WG2539012
GACO0613T137-1CRSO12	L1869905-19	Nitrate-Nitrite	53.0		21.6	1	06/15/2025 15:18	WG2539012
GACO0613T137-1CRCO12	L1869905-20	Nitrate-Nitrite	52.5		21.8	1	06/15/2025 15:31	WG2539012

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Wet Chemistry by Method WALKLEY-BLACK

Client ID	Lab Sample ID	Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
GACO0613T137-1CRSO01	L1869905-01	TOC By Walkley Black	18800		1000	10	06/18/2025 17:41	WG2539188
GACO0613T137-1CRCO01	L1869905-02	TOC By Walkley Black	20000		1000	10	06/18/2025 17:41	WG2539188
GACO0613T137-1CRSO02	L1869905-03	TOC By Walkley Black	5280		500	5	06/18/2025 17:41	WG2539188
GACO0613T137-1CRSO03	L1869905-04	TOC By Walkley Black	9600		900	9	06/18/2025 17:41	WG2539188
GACO0613T137-1CRSO04	L1869905-06	TOC By Walkley Black	21600		1000	10	06/18/2025 17:42	WG2539188
GACO0613T137-1CRSO05	L1869905-07	TOC By Walkley Black	11300		900	9	06/18/2025 17:42	WG2539188
GACO0613T137-1CRSO06	L1869905-08	TOC By Walkley Black	5660		400	4	06/18/2025 17:43	WG2539188
GACO0613T137-1CRSO15	L1869905-09	TOC By Walkley Black	14000		1900	19	06/18/2025 17:43	WG2539188
GACO0613T137-1CRSO07	L1869905-11	TOC By Walkley Black	7570		500	5	06/18/2025 17:44	WG2539188
GACO0613T137-1CRSO08	L1869905-12	TOC By Walkley Black	10100		800	8	06/18/2025 17:46	WG2539188
GACO0613T137-1CRSO09	L1869905-14	TOC By Walkley Black	38100		1800	18	06/18/2025 17:46	WG2539188
GACO0613T137-1CRSO10	L1869905-15	TOC By Walkley Black	24900		1000	10	06/18/2025 17:47	WG2539188
GACO0613T137-1CRSO11	L1869905-16	TOC By Walkley Black	14300		1000	10	06/18/2025 17:48	WG2539188
GACO0613T137-1CRSO16	L1869905-17	TOC By Walkley Black	6800		500	5	06/18/2025 17:48	WG2539188
GACO0613T137-1CRSO12	L1869905-19	TOC By Walkley Black	13400		1500	15	06/18/2025 17:48	WG2539188
GACO0613T137-1CRCO12	L1869905-20	TOC By Walkley Black	16300		1400	14	06/18/2025 17:49	WG2539188
GACO0613T137-1CRSO13	L1869905-21	TOC By Walkley Black	24600		1500	15	06/18/2025 17:49	WG2539188

DETECTION SUMMARY

Wet Chemistry by Method WALKLEY-BLACK

Client ID	Lab Sample ID	Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
GACO0613T137-1CRSO 14	L1869905-22	TOC By Walkley Black	8880		1700	17	06/18/2025 17:49	WG2539188

¹Cp

²Tc

³Ss

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

Client ID	Lab Sample ID	Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
GACO0613T137-1CRSO 01	L1869905-01	Hot Water Sol. Boron	0.481		0.200	1	06/20/2025 17:42	WG2541799
GACO0613T137-1CRCO 01	L1869905-02	Hot Water Sol. Boron	0.518		0.200	1	06/20/2025 17:44	WG2541799
GACO0613T137-1CRSO 02	L1869905-03	Hot Water Sol. Boron	0.383		0.200	1	06/20/2025 17:46	WG2541799
GACO0613T137-1CRSO 03	L1869905-04	Hot Water Sol. Boron	0.486		0.200	1	06/20/2025 17:48	WG2541799
GACO0613T137-1CRSO 04	L1869905-06	Hot Water Sol. Boron	0.862		0.200	1	06/20/2025 17:49	WG2541799
GACO0613T137-1CRSO 05	L1869905-07	Hot Water Sol. Boron	0.653		0.200	1	06/20/2025 17:51	WG2541799
GACO0613T137-1CRSO 06	L1869905-08	Hot Water Sol. Boron	0.459		0.200	1	06/20/2025 17:57	WG2541799
GACO0613T137-1CRSO 15	L1869905-09	Hot Water Sol. Boron	0.471		0.200	1	06/20/2025 17:58	WG2541799
GACO0613T137-1CRSO 07	L1869905-11	Hot Water Sol. Boron	0.698		0.200	1	06/20/2025 18:00	WG2541799
GACO0613T137-1CRSO 08	L1869905-12	Hot Water Sol. Boron	0.665		0.200	1	06/22/2025 01:16	WG2541796
GACO0613T137-1CRSO 09	L1869905-14	Hot Water Sol. Boron	1.70		0.200	1	06/22/2025 01:58	WG2543425
GACO0613T137-1CRSO 10	L1869905-15	Hot Water Sol. Boron	1.13		0.200	1	06/22/2025 01:18	WG2541796
GACO0613T137-1CRSO 11	L1869905-16	Hot Water Sol. Boron	1.05		0.200	1	06/22/2025 01:20	WG2541796
GACO0613T137-1CRSO 16	L1869905-17	Hot Water Sol. Boron	0.467		0.200	1	06/22/2025 00:50	WG2541796
GACO0613T137-1CRSO 12	L1869905-19	Hot Water Sol. Boron	0.420		0.200	1	06/22/2025 00:52	WG2541796
GACO0613T137-1CRCO 12	L1869905-20	Hot Water Sol. Boron	0.478		0.200	1	06/22/2025 00:54	WG2541796
GACO0613T137-1CRSO 13	L1869905-21	Hot Water Sol. Boron	0.591		0.200	1	06/22/2025 00:55	WG2541796

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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
GACO0613T137-1CRSO 01	L1869905-01	Aluminum	10300		23.7	1	06/17/2025 09:02	WG2539349
GACO0613T137-1CRSO 01	L1869905-01	Beryllium	0.545		0.237	1	06/17/2025 09:02	WG2539349
GACO0613T137-1CRSO 01	L1869905-01	Calcium	10100		119	1	06/17/2025 09:02	WG2539349
GACO0613T137-1CRSO 01	L1869905-01	Chromium	10.1		1.19	1	06/17/2025 09:02	WG2539349
GACO0613T137-1CRSO 01	L1869905-01	Cobalt	4.79		1.19	1	06/17/2025 09:02	WG2539349
GACO0613T137-1CRSO 01	L1869905-01	Iron	12400		11.9	1	06/17/2025 09:02	WG2539349
GACO0613T137-1CRSO 01	L1869905-01	Magnesium	3160		119	1	06/17/2025 09:02	WG2539349
GACO0613T137-1CRSO 01	L1869905-01	Manganese	251		1.19	1	06/17/2025 09:02	WG2539349
GACO0613T137-1CRSO 01	L1869905-01	Potassium	2730		119	1	06/17/2025 09:02	WG2539349
GACO0613T137-1CRSO 01	L1869905-01	Sodium	123		119	1	06/17/2025 09:02	WG2539349

DETECTION SUMMARY

Metals (ICP) by Method 6010D

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0613T137-1CRS001	L1869905-01	Vanadium	22.1		2.37	1	06/17/2025 09:02	WG2539349
GACO0613T137-1CRS001	L1869905-02	Aluminum	7570		23.3	1	06/17/2025 09:04	WG2539349
GACO0613T137-1CRS001	L1869905-02	Beryllium	0.448		0.233	1	06/17/2025 09:04	WG2539349
GACO0613T137-1CRS001	L1869905-02	Calcium	8450		117	1	06/17/2025 09:04	WG2539349
GACO0613T137-1CRS001	L1869905-02	Chromium	8.01		1.17	1	06/17/2025 09:04	WG2539349
GACO0613T137-1CRS001	L1869905-02	Cobalt	4.18		1.17	1	06/17/2025 09:04	WG2539349
GACO0613T137-1CRS001	L1869905-02	Iron	9890		11.7	1	06/17/2025 09:04	WG2539349
GACO0613T137-1CRS001	L1869905-02	Magnesium	2550		117	1	06/17/2025 09:04	WG2539349
GACO0613T137-1CRS001	L1869905-02	Manganese	227		1.17	1	06/17/2025 09:04	WG2539349
GACO0613T137-1CRS001	L1869905-02	Potassium	2210		117	1	06/17/2025 09:04	WG2539349
GACO0613T137-1CRS001	L1869905-02	Vanadium	16.8		2.33	1	06/17/2025 09:04	WG2539349
GACO0613T137-1CRS002	L1869905-03	Aluminum	7340		23.7	1	06/17/2025 09:05	WG2539349
GACO0613T137-1CRS002	L1869905-03	Beryllium	0.487		0.237	1	06/17/2025 09:05	WG2539349
GACO0613T137-1CRS002	L1869905-03	Calcium	17400		119	1	06/17/2025 09:05	WG2539349
GACO0613T137-1CRS002	L1869905-03	Chromium	7.50		1.19	1	06/17/2025 09:05	WG2539349
GACO0613T137-1CRS002	L1869905-03	Cobalt	4.51		1.19	1	06/17/2025 09:05	WG2539349
GACO0613T137-1CRS002	L1869905-03	Iron	10300		11.9	1	06/17/2025 09:05	WG2539349
GACO0613T137-1CRS002	L1869905-03	Magnesium	2780		119	1	06/17/2025 09:05	WG2539349
GACO0613T137-1CRS002	L1869905-03	Manganese	225		1.19	1	06/17/2025 09:05	WG2539349
GACO0613T137-1CRS002	L1869905-03	Potassium	1900		119	1	06/17/2025 09:05	WG2539349
GACO0613T137-1CRS002	L1869905-03	Vanadium	17.7		2.37	1	06/17/2025 09:05	WG2539349
GACO0613T137-1CRS003	L1869905-04	Aluminum	8510		22.1	1	06/17/2025 09:10	WG2539349
GACO0613T137-1CRS003	L1869905-04	Beryllium	0.507		0.221	1	06/17/2025 09:10	WG2539349
GACO0613T137-1CRS003	L1869905-04	Calcium	18800		110	1	06/17/2025 09:10	WG2539349
GACO0613T137-1CRS003	L1869905-04	Chromium	9.05		1.10	1	06/17/2025 09:10	WG2539349
GACO0613T137-1CRS003	L1869905-04	Cobalt	4.53		1.10	1	06/17/2025 09:10	WG2539349
GACO0613T137-1CRS003	L1869905-04	Iron	11200		11.0	1	06/17/2025 09:10	WG2539349
GACO0613T137-1CRS003	L1869905-04	Magnesium	3130		110	1	06/17/2025 09:10	WG2539349
GACO0613T137-1CRS003	L1869905-04	Manganese	218		1.10	1	06/17/2025 09:10	WG2539349
GACO0613T137-1CRS003	L1869905-04	Potassium	2230		110	1	06/17/2025 09:10	WG2539349
GACO0613T137-1CRS003	L1869905-04	Vanadium	20.3		2.21	1	06/17/2025 09:10	WG2539349

¹Cp²Tc³Ss⁴Cn⁵Ds⁶Sr⁷Qc⁸Gl⁹Al¹⁰Sc

DETECTION SUMMARY

Metals (ICP) by Method 6010D

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0613T137-1CRS0 04	L1869905-06	Aluminum	6560		26.1	1	06/17/2025 09:12	WG2539349
GACO0613T137-1CRS0 04	L1869905-06	Beryllium	0.380		0.261	1	06/17/2025 09:12	WG2539349
GACO0613T137-1CRS0 04	L1869905-06	Calcium	17200		130	1	06/17/2025 09:12	WG2539349
GACO0613T137-1CRS0 04	L1869905-06	Chromium	7.10		1.30	1	06/17/2025 09:12	WG2539349
GACO0613T137-1CRS0 04	L1869905-06	Cobalt	3.63		1.30	1	06/17/2025 09:12	WG2539349
GACO0613T137-1CRS0 04	L1869905-06	Iron	9220		13.0	1	06/17/2025 09:12	WG2539349
GACO0613T137-1CRS0 04	L1869905-06	Magnesium	2530		130	1	06/17/2025 09:12	WG2539349
GACO0613T137-1CRS0 04	L1869905-06	Manganese	191		1.30	1	06/17/2025 09:12	WG2539349
GACO0613T137-1CRS0 04	L1869905-06	Potassium	2610		130	1	06/17/2025 09:12	WG2539349
GACO0613T137-1CRS0 04	L1869905-06	Sodium	517		130	1	06/17/2025 09:12	WG2539349
GACO0613T137-1CRS0 04	L1869905-06	Vanadium	16.2		2.61	1	06/17/2025 09:12	WG2539349
GACO0613T137-1CRS0 05	L1869905-07	Aluminum	5990		21.9	1	06/17/2025 09:13	WG2539349
GACO0613T137-1CRS0 05	L1869905-07	Beryllium	0.372		0.219	1	06/17/2025 09:13	WG2539349
GACO0613T137-1CRS0 05	L1869905-07	Calcium	9590		109	1	06/17/2025 09:13	WG2539349
GACO0613T137-1CRS0 05	L1869905-07	Chromium	7.28		1.09	1	06/17/2025 09:13	WG2539349
GACO0613T137-1CRS0 05	L1869905-07	Cobalt	3.34		1.09	1	06/17/2025 09:13	WG2539349
GACO0613T137-1CRS0 05	L1869905-07	Iron	8540		10.9	1	06/17/2025 09:13	WG2539349
GACO0613T137-1CRS0 05	L1869905-07	Magnesium	2140		109	1	06/17/2025 09:13	WG2539349
GACO0613T137-1CRS0 05	L1869905-07	Manganese	155		1.09	1	06/17/2025 09:13	WG2539349
GACO0613T137-1CRS0 05	L1869905-07	Potassium	2010		109	1	06/17/2025 09:13	WG2539349
GACO0613T137-1CRS0 05	L1869905-07	Vanadium	14.6		2.19	1	06/17/2025 09:13	WG2539349
GACO0613T137-1CRS0 06	L1869905-08	Aluminum	8610		23.3	1	06/17/2025 09:15	WG2539349
GACO0613T137-1CRS0 06	L1869905-08	Beryllium	0.558		0.233	1	06/17/2025 09:15	WG2539349
GACO0613T137-1CRS0 06	L1869905-08	Calcium	12400		116	1	06/17/2025 09:15	WG2539349
GACO0613T137-1CRS0 06	L1869905-08	Chromium	8.67		1.16	1	06/17/2025 09:15	WG2539349
GACO0613T137-1CRS0 06	L1869905-08	Cobalt	4.96		1.16	1	06/17/2025 09:15	WG2539349
GACO0613T137-1CRS0 06	L1869905-08	Iron	11700		11.6	1	06/17/2025 09:15	WG2539349
GACO0613T137-1CRS0 06	L1869905-08	Magnesium	3220		116	1	06/17/2025 09:15	WG2539349
GACO0613T137-1CRS0 06	L1869905-08	Manganese	247		1.16	1	06/17/2025 09:15	WG2539349
GACO0613T137-1CRS0 06	L1869905-08	Potassium	2180		116	1	06/17/2025 09:15	WG2539349
GACO0613T137-1CRS0 06	L1869905-08	Vanadium	21.4		2.33	1	06/17/2025 09:15	WG2539349



DETECTION SUMMARY

Metals (ICP) by Method 6010D

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
GACO0613T137-1CRS015	L1869905-09	Aluminum	7590		24.4	1	06/17/2025 09:17	WG2539349	¹ Cp
GACO0613T137-1CRS015	L1869905-09	Beryllium	0.449		0.244	1	06/17/2025 09:17	WG2539349	² Tc
GACO0613T137-1CRS015	L1869905-09	Calcium	9540		122	1	06/17/2025 09:17	WG2539349	³ Ss
GACO0613T137-1CRS015	L1869905-09	Chromium	10.6		1.22	1	06/17/2025 09:17	WG2539349	⁴ Cn
GACO0613T137-1CRS015	L1869905-09	Cobalt	4.20		1.22	1	06/17/2025 09:17	WG2539349	⁵ Ds
GACO0613T137-1CRS015	L1869905-09	Iron	11200		12.2	1	06/17/2025 09:17	WG2539349	⁶ Sr
GACO0613T137-1CRS015	L1869905-09	Magnesium	2660		122	1	06/17/2025 09:17	WG2539349	⁷ Qc
GACO0613T137-1CRS015	L1869905-09	Manganese	246		1.22	1	06/17/2025 09:17	WG2539349	⁸ Gl
GACO0613T137-1CRS015	L1869905-09	Potassium	1700		122	1	06/17/2025 09:17	WG2539349	⁹ Al
GACO0613T137-1CRS015	L1869905-09	Vanadium	20.1		2.44	1	06/17/2025 09:17	WG2539349	¹⁰ Sc
GACO0613T137-1CRS007	L1869905-11	Aluminum	8060	O1 V	22.1	1	06/17/2025 08:54	WG2539349	
GACO0613T137-1CRS007	L1869905-11	Beryllium	0.496		0.221	1	06/17/2025 08:54	WG2539349	
GACO0613T137-1CRS007	L1869905-11	Calcium	14400	O1 V	111	1	06/17/2025 08:54	WG2539349	
GACO0613T137-1CRS007	L1869905-11	Chromium	7.87		1.11	1	06/17/2025 08:54	WG2539349	
GACO0613T137-1CRS007	L1869905-11	Cobalt	4.55		1.11	1	06/17/2025 08:54	WG2539349	
GACO0613T137-1CRS007	L1869905-11	Iron	12500	O1 V	11.1	1	06/17/2025 08:54	WG2539349	
GACO0613T137-1CRS007	L1869905-11	Magnesium	3000	O1	111	1	06/17/2025 08:54	WG2539349	
GACO0613T137-1CRS007	L1869905-11	Manganese	308	J6 O1	1.11	1	06/17/2025 08:54	WG2539349	
GACO0613T137-1CRS007	L1869905-11	Potassium	2180	O1	111	1	06/17/2025 08:54	WG2539349	
GACO0613T137-1CRS007	L1869905-11	Sodium	120		111	1	06/17/2025 08:54	WG2539349	
GACO0613T137-1CRS007	L1869905-11	Vanadium	24.6	O1	2.21	1	06/17/2025 08:54	WG2539349	
GACO0613T137-1CRS008	L1869905-12	Aluminum	7800		23.2	1	06/17/2025 09:22	WG2539349	
GACO0613T137-1CRS008	L1869905-12	Beryllium	0.410		0.232	1	06/17/2025 09:22	WG2539349	
GACO0613T137-1CRS008	L1869905-12	Calcium	14000		116	1	06/17/2025 09:22	WG2539349	
GACO0613T137-1CRS008	L1869905-12	Chromium	7.56		1.16	1	06/17/2025 09:22	WG2539349	
GACO0613T137-1CRS008	L1869905-12	Cobalt	3.73		1.16	1	06/17/2025 09:22	WG2539349	
GACO0613T137-1CRS008	L1869905-12	Iron	10100		11.6	1	06/17/2025 09:22	WG2539349	
GACO0613T137-1CRS008	L1869905-12	Magnesium	2880		116	1	06/17/2025 09:22	WG2539349	
GACO0613T137-1CRS008	L1869905-12	Manganese	191		1.16	1	06/17/2025 09:22	WG2539349	
GACO0613T137-1CRS008	L1869905-12	Potassium	2440		116	1	06/17/2025 09:22	WG2539349	
GACO0613T137-1CRS008	L1869905-12	Sodium	235		116	1	06/17/2025 09:22	WG2539349	
GACO0613T137-1CRS008	L1869905-12	Vanadium	18.1		2.32	1	06/17/2025 09:22	WG2539349	

DETECTION SUMMARY

Metals (ICP) by Method 6010D

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
GACO0613T137-1CRS009	L1869905-14	Aluminum	4850		26.6	1	06/17/2025 09:24	WG2539349	¹ Cp
GACO0613T137-1CRS009	L1869905-14	Beryllium	0.330		0.266	1	06/17/2025 09:24	WG2539349	² Tc
GACO0613T137-1CRS009	L1869905-14	Calcium	5690		133	1	06/17/2025 09:24	WG2539349	³ Ss
GACO0613T137-1CRS009	L1869905-14	Chromium	5.24		1.33	1	06/17/2025 09:24	WG2539349	⁴ Cn
GACO0613T137-1CRS009	L1869905-14	Cobalt	3.48		1.33	1	06/17/2025 09:24	WG2539349	⁵ Ds
GACO0613T137-1CRS009	L1869905-14	Iron	7500		13.3	1	06/17/2025 09:24	WG2539349	⁶ Sr
GACO0613T137-1CRS009	L1869905-14	Magnesium	2080		133	1	06/17/2025 09:24	WG2539349	⁷ Qc
GACO0613T137-1CRS009	L1869905-14	Manganese	210		1.33	1	06/17/2025 09:24	WG2539349	⁸ Gl
GACO0613T137-1CRS009	L1869905-14	Potassium	2570		133	1	06/17/2025 09:24	WG2539349	⁹ Al
GACO0613T137-1CRS009	L1869905-14	Vanadium	12.5		2.66	1	06/17/2025 09:24	WG2539349	¹⁰ Sc
GACO0613T137-1CRS010	L1869905-15	Aluminum	7480		22.4	1	06/17/2025 09:26	WG2539349	
GACO0613T137-1CRS010	L1869905-15	Beryllium	0.462		0.224	1	06/17/2025 09:26	WG2539349	
GACO0613T137-1CRS010	L1869905-15	Calcium	6830		112	1	06/17/2025 09:26	WG2539349	
GACO0613T137-1CRS010	L1869905-15	Chromium	8.15		1.12	1	06/17/2025 09:26	WG2539349	
GACO0613T137-1CRS010	L1869905-15	Cobalt	4.42		1.12	1	06/17/2025 09:26	WG2539349	
GACO0613T137-1CRS010	L1869905-15	Iron	11400		11.2	1	06/17/2025 09:26	WG2539349	
GACO0613T137-1CRS010	L1869905-15	Magnesium	2580		112	1	06/17/2025 09:26	WG2539349	
GACO0613T137-1CRS010	L1869905-15	Manganese	238		1.12	1	06/17/2025 09:26	WG2539349	
GACO0613T137-1CRS010	L1869905-15	Potassium	2680		112	1	06/17/2025 09:26	WG2539349	
GACO0613T137-1CRS010	L1869905-15	Vanadium	18.6		2.24	1	06/17/2025 09:26	WG2539349	
GACO0613T137-1CRS011	L1869905-16	Aluminum	8120		29.2	1	06/17/2025 09:27	WG2539349	
GACO0613T137-1CRS011	L1869905-16	Beryllium	0.426		0.292	1	06/17/2025 09:27	WG2539349	
GACO0613T137-1CRS011	L1869905-16	Calcium	6390		146	1	06/17/2025 09:27	WG2539349	
GACO0613T137-1CRS011	L1869905-16	Chromium	7.91		1.46	1	06/17/2025 09:27	WG2539349	
GACO0613T137-1CRS011	L1869905-16	Cobalt	4.06		1.46	1	06/17/2025 09:27	WG2539349	
GACO0613T137-1CRS011	L1869905-16	Iron	10700		14.6	1	06/17/2025 09:27	WG2539349	
GACO0613T137-1CRS011	L1869905-16	Magnesium	2740		146	1	06/17/2025 09:27	WG2539349	
GACO0613T137-1CRS011	L1869905-16	Manganese	259		1.46	1	06/17/2025 09:27	WG2539349	
GACO0613T137-1CRS011	L1869905-16	Potassium	3150		146	1	06/17/2025 09:27	WG2539349	
GACO0613T137-1CRS011	L1869905-16	Vanadium	18.5		2.92	1	06/17/2025 09:27	WG2539349	

DETECTION SUMMARY

Metals (ICP) by Method 6010D

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	1 Cp
GACO0613T137-1CRS016	L1869905-17	Aluminum	6420		22.8	1	06/17/2025 09:29	WG2539349	2 Tc
GACO0613T137-1CRS016	L1869905-17	Beryllium	0.401		0.228	1	06/17/2025 09:29	WG2539349	3 Ss
GACO0613T137-1CRS016	L1869905-17	Calcium	10600		114	1	06/17/2025 09:29	WG2539349	4 Cn
GACO0613T137-1CRS016	L1869905-17	Chromium	6.23		1.14	1	06/17/2025 09:29	WG2539349	5 Ds
GACO0613T137-1CRS016	L1869905-17	Cobalt	3.92		1.14	1	06/17/2025 09:29	WG2539349	6 Sr
GACO0613T137-1CRS016	L1869905-17	Iron	9640		11.4	1	06/17/2025 09:29	WG2539349	7 Qc
GACO0613T137-1CRS016	L1869905-17	Magnesium	2500		114	1	06/17/2025 09:29	WG2539349	8 Gl
GACO0613T137-1CRS016	L1869905-17	Manganese	243		1.14	1	06/17/2025 09:29	WG2539349	9 Al
GACO0613T137-1CRS016	L1869905-17	Potassium	1950		114	1	06/17/2025 09:29	WG2539349	10 Sc
GACO0613T137-1CRS016	L1869905-17	Vanadium	16.6		2.28	1	06/17/2025 09:29	WG2539349	
GACO0613T137-1CRS012	L1869905-19	Aluminum	8390		21.6	1	06/17/2025 08:39	WG2539349	
GACO0613T137-1CRS012	L1869905-19	Beryllium	0.407		0.216	1	06/17/2025 08:39	WG2539349	
GACO0613T137-1CRS012	L1869905-19	Calcium	10800		108	1	06/17/2025 08:39	WG2539349	
GACO0613T137-1CRS012	L1869905-19	Chromium	8.88		1.08	1	06/17/2025 08:39	WG2539349	
GACO0613T137-1CRS012	L1869905-19	Cobalt	3.95		1.08	1	06/17/2025 08:39	WG2539349	
GACO0613T137-1CRS012	L1869905-19	Iron	9600		10.8	1	06/17/2025 08:39	WG2539349	
GACO0613T137-1CRS012	L1869905-19	Magnesium	2540		108	1	06/17/2025 08:39	WG2539349	
GACO0613T137-1CRS012	L1869905-19	Manganese	198		1.08	1	06/17/2025 08:39	WG2539349	
GACO0613T137-1CRS012	L1869905-19	Potassium	2200		108	1	06/17/2025 08:39	WG2539349	
GACO0613T137-1CRS012	L1869905-19	Vanadium	17.7		2.16	1	06/17/2025 08:39	WG2539349	
GACO0613T137-1CRCO12	L1869905-20	Aluminum	7010		21.8	1	06/17/2025 08:40	WG2539349	
GACO0613T137-1CRCO12	L1869905-20	Beryllium	0.397		0.218	1	06/17/2025 08:40	WG2539349	
GACO0613T137-1CRCO12	L1869905-20	Calcium	10300		109	1	06/17/2025 08:40	WG2539349	
GACO0613T137-1CRCO12	L1869905-20	Chromium	7.70		1.09	1	06/17/2025 08:40	WG2539349	
GACO0613T137-1CRCO12	L1869905-20	Cobalt	3.78		1.09	1	06/17/2025 08:40	WG2539349	
GACO0613T137-1CRCO12	L1869905-20	Iron	9500		10.9	1	06/17/2025 08:40	WG2539349	
GACO0613T137-1CRCO12	L1869905-20	Magnesium	2340		109	1	06/17/2025 08:40	WG2539349	
GACO0613T137-1CRCO12	L1869905-20	Manganese	195		1.09	1	06/17/2025 08:40	WG2539349	
GACO0613T137-1CRCO12	L1869905-20	Potassium	1940		109	1	06/17/2025 08:40	WG2539349	
GACO0613T137-1CRCO12	L1869905-20	Vanadium	16.9		2.18	1	06/17/2025 08:40	WG2539349	

DETECTION SUMMARY

Metals (ICP) by Method 6010D

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0613T137-1CRS013	L1869905-21	Aluminum	7740		21.5	1	06/17/2025 08:42	WG2539349
GACO0613T137-1CRS013	L1869905-21	Beryllium	0.438		0.215	1	06/17/2025 08:42	WG2539349
GACO0613T137-1CRS013	L1869905-21	Calcium	5720		107	1	06/17/2025 08:42	WG2539349
GACO0613T137-1CRS013	L1869905-21	Chromium	7.82		1.07	1	06/17/2025 08:42	WG2539349
GACO0613T137-1CRS013	L1869905-21	Cobalt	3.85		1.07	1	06/17/2025 08:42	WG2539349
GACO0613T137-1CRS013	L1869905-21	Iron	10000		10.7	1	06/17/2025 08:42	WG2539349
GACO0613T137-1CRS013	L1869905-21	Magnesium	2530		107	1	06/17/2025 08:42	WG2539349
GACO0613T137-1CRS013	L1869905-21	Manganese	222		1.07	1	06/17/2025 08:42	WG2539349
GACO0613T137-1CRS013	L1869905-21	Potassium	2590		107	1	06/17/2025 08:42	WG2539349
GACO0613T137-1CRS013	L1869905-21	Vanadium	17.4		2.15	1	06/17/2025 08:42	WG2539349
GACO0613T137-1CRS014	L1869905-22	Aluminum	3370		21.0	1	06/17/2025 08:44	WG2539349
GACO0613T137-1CRS014	L1869905-22	Calcium	1090		105	1	06/17/2025 08:44	WG2539349
GACO0613T137-1CRS014	L1869905-22	Chromium	4.11		1.05	1	06/17/2025 08:44	WG2539349
GACO0613T137-1CRS014	L1869905-22	Cobalt	2.11		1.05	1	06/17/2025 08:44	WG2539349
GACO0613T137-1CRS014	L1869905-22	Iron	5510		10.5	1	06/17/2025 08:44	WG2539349
GACO0613T137-1CRS014	L1869905-22	Magnesium	1010		105	1	06/17/2025 08:44	WG2539349
GACO0613T137-1CRS014	L1869905-22	Manganese	80.2		1.05	1	06/17/2025 08:44	WG2539349
GACO0613T137-1CRS014	L1869905-22	Potassium	680		105	1	06/17/2025 08:44	WG2539349
GACO0613T137-1CRS014	L1869905-22	Vanadium	7.53		2.10	1	06/17/2025 08:44	WG2539349

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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
GACO0613T137-1CRS001	L1869905-01	Arsenic	5.25		0.119	5	06/17/2025 16:52	WG2539358
GACO0613T137-1CRS001	L1869905-01	Barium	89.1		11.9	5	06/17/2025 16:52	WG2539358
GACO0613T137-1CRS001	L1869905-01	Cadmium	0.264		0.119	5	06/17/2025 16:52	WG2539358
GACO0613T137-1CRS001	L1869905-01	Selenium	0.407		0.119	5	06/17/2025 16:52	WG2539358
GACO0613T137-1CRS001	L1869905-02	Arsenic	4.14		0.117	5	06/17/2025 16:55	WG2539358
GACO0613T137-1CRS001	L1869905-02	Barium	79.6		11.7	5	06/17/2025 16:55	WG2539358
GACO0613T137-1CRS001	L1869905-02	Cadmium	0.238		0.117	5	06/17/2025 16:55	WG2539358
GACO0613T137-1CRS001	L1869905-02	Selenium	0.465		0.117	5	06/17/2025 16:55	WG2539358
GACO0613T137-1CRS002	L1869905-03	Arsenic	4.92		0.119	5	06/17/2025 16:59	WG2539358
GACO0613T137-1CRS002	L1869905-03	Barium	73.5		11.9	5	06/17/2025 16:59	WG2539358
GACO0613T137-1CRS002	L1869905-03	Cadmium	0.225		0.119	5	06/17/2025 16:59	WG2539358
GACO0613T137-1CRS002	L1869905-03	Selenium	0.323		0.119	5	06/17/2025 16:59	WG2539358

DETECTION SUMMARY

Metals (ICPMS) by Method 6020B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0613T137-1CRSO 03	L1869905-04	Arsenic	5.06		0.110	5	06/17/2025 17:08	WG2539358
GACO0613T137-1CRSO 03	L1869905-04	Barium	106		11.0	5	06/17/2025 17:08	WG2539358
GACO0613T137-1CRSO 03	L1869905-04	Cadmium	0.219		0.110	5	06/17/2025 17:08	WG2539358
GACO0613T137-1CRSO 03	L1869905-04	Selenium	0.439		0.110	5	06/17/2025 17:08	WG2539358
GACO0613T137-1CRSO 04	L1869905-06	Arsenic	3.90		0.130	5	06/17/2025 17:11	WG2539358
GACO0613T137-1CRSO 04	L1869905-06	Barium	83.8		13.0	5	06/17/2025 17:11	WG2539358
GACO0613T137-1CRSO 04	L1869905-06	Cadmium	0.545		0.130	5	06/17/2025 17:11	WG2539358
GACO0613T137-1CRSO 04	L1869905-06	Selenium	0.485		0.130	5	06/17/2025 17:11	WG2539358
GACO0613T137-1CRSO 05	L1869905-07	Arsenic	3.24		0.109	5	06/17/2025 17:15	WG2539358
GACO0613T137-1CRSO 05	L1869905-07	Barium	87.4		10.9	5	06/17/2025 17:15	WG2539358
GACO0613T137-1CRSO 05	L1869905-07	Cadmium	0.342		0.109	5	06/17/2025 17:15	WG2539358
GACO0613T137-1CRSO 05	L1869905-07	Copper	11.4		10.9	5	06/17/2025 17:15	WG2539358
GACO0613T137-1CRSO 05	L1869905-07	Selenium	0.461		0.109	5	06/17/2025 17:15	WG2539358
GACO0613T137-1CRSO 06	L1869905-08	Arsenic	5.37		0.116	5	06/17/2025 17:18	WG2539358
GACO0613T137-1CRSO 06	L1869905-08	Barium	105		11.6	5	06/17/2025 17:18	WG2539358
GACO0613T137-1CRSO 06	L1869905-08	Cadmium	0.225		0.116	5	06/17/2025 17:18	WG2539358
GACO0613T137-1CRSO 06	L1869905-08	Selenium	0.580		0.116	5	06/17/2025 17:18	WG2539358
GACO0613T137-1CRSO 15	L1869905-09	Arsenic	5.46	O1	0.122	5	06/24/2025 02:07	WG2544947
GACO0613T137-1CRSO 15	L1869905-09	Barium	92.3		12.2	5	06/24/2025 02:07	WG2544947
GACO0613T137-1CRSO 15	L1869905-09	Cadmium	0.308		0.122	5	06/24/2025 02:07	WG2544947
GACO0613T137-1CRSO 15	L1869905-09	Copper	15.6		12.2	5	06/24/2025 02:07	WG2544947
GACO0613T137-1CRSO 15	L1869905-09	Lead	20.6		12.2	5	06/24/2025 02:07	WG2544947
GACO0613T137-1CRSO 15	L1869905-09	Selenium	0.564		0.122	5	06/24/2025 02:07	WG2544947
GACO0613T137-1CRSO 15	L1869905-09	Zinc	129		60.9	5	06/24/2025 02:07	WG2544947
GACO0613T137-1CRSO 07	L1869905-11	Arsenic	5.89		0.111	5	06/17/2025 16:36	WG2539358
GACO0613T137-1CRSO 07	L1869905-11	Barium	89.4		11.1	5	06/17/2025 16:36	WG2539358
GACO0613T137-1CRSO 07	L1869905-11	Cadmium	0.232		0.111	5	06/17/2025 16:36	WG2539358
GACO0613T137-1CRSO 07	L1869905-11	Selenium	0.394		0.111	5	06/17/2025 16:36	WG2539358
GACO0613T137-1CRSO 08	L1869905-12	Arsenic	5.07		0.116	5	06/24/2025 02:23	WG2544947
GACO0613T137-1CRSO 08	L1869905-12	Barium	85.5		11.6	5	06/24/2025 02:23	WG2544947
GACO0613T137-1CRSO 08	L1869905-12	Cadmium	0.233		0.116	5	06/24/2025 02:23	WG2544947
GACO0613T137-1CRSO 08	L1869905-12	Selenium	0.419		0.116	5	06/24/2025 02:23	WG2544947



DETECTION SUMMARY

Metals (ICPMS) by Method 6020B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	¹ Cp
GACO0613T137-1CRSO 09	L1869905-14	Arsenic	4.14		0.133	5	06/24/2025 02:26	WG2544947	² Tc
GACO0613T137-1CRSO 09	L1869905-14	Barium	84.2		13.3	5	06/24/2025 02:26	WG2544947	³ Ss
GACO0613T137-1CRSO 09	L1869905-14	Cadmium	0.253		0.133	5	06/24/2025 02:26	WG2544947	⁴ Cn
GACO0613T137-1CRSO 09	L1869905-14	Selenium	0.513		0.133	5	06/24/2025 02:26	WG2544947	⁵ Ds
GACO0613T137-1CRSO 10	L1869905-15	Arsenic	4.90		0.112	5	06/17/2025 17:21	WG2539358	⁶ Sr
GACO0613T137-1CRSO 10	L1869905-15	Barium	72.0		11.2	5	06/17/2025 17:21	WG2539358	⁷ Qc
GACO0613T137-1CRSO 10	L1869905-15	Cadmium	0.222		0.112	5	06/17/2025 17:21	WG2539358	⁸ Gl
GACO0613T137-1CRSO 10	L1869905-15	Selenium	0.474		0.112	5	06/17/2025 17:21	WG2539358	⁹ Al
GACO0613T137-1CRSO 11	L1869905-16	Arsenic	4.16		0.146	5	06/17/2025 17:24	WG2539358	¹⁰ Sc
GACO0613T137-1CRSO 11	L1869905-16	Barium	79.1		14.6	5	06/17/2025 17:24	WG2539358	
GACO0613T137-1CRSO 11	L1869905-16	Cadmium	0.232		0.146	5	06/17/2025 17:24	WG2539358	
GACO0613T137-1CRSO 11	L1869905-16	Selenium	0.413		0.146	5	06/17/2025 17:24	WG2539358	
GACO0613T137-1CRSO 16	L1869905-17	Arsenic	4.11		0.114	5	06/17/2025 17:27	WG2539358	
GACO0613T137-1CRSO 16	L1869905-17	Barium	74.8		11.4	5	06/17/2025 17:27	WG2539358	
GACO0613T137-1CRSO 16	L1869905-17	Cadmium	0.199		0.114	5	06/17/2025 17:27	WG2539358	
GACO0613T137-1CRSO 16	L1869905-17	Selenium	0.315		0.114	5	06/17/2025 17:27	WG2539358	
GACO0613T137-1CRSO 12	L1869905-19	Arsenic	4.04		0.108	5	06/17/2025 18:30	WG2539358	
GACO0613T137-1CRSO 12	L1869905-19	Barium	72.7		10.8	5	06/17/2025 18:30	WG2539358	
GACO0613T137-1CRSO 12	L1869905-19	Cadmium	0.260		0.108	5	06/17/2025 18:30	WG2539358	
GACO0613T137-1CRSO 12	L1869905-19	Copper	12.7		10.8	5	06/17/2025 18:30	WG2539358	
GACO0613T137-1CRSO 12	L1869905-19	Selenium	0.403		0.108	5	06/17/2025 18:30	WG2539358	
GACO0613T137-1CRCO 12	L1869905-20	Arsenic	4.02		0.109	5	06/17/2025 18:33	WG2539358	
GACO0613T137-1CRCO 12	L1869905-20	Barium	72.1		10.9	5	06/17/2025 18:33	WG2539358	
GACO0613T137-1CRCO 12	L1869905-20	Cadmium	0.218		0.109	5	06/17/2025 18:33	WG2539358	
GACO0613T137-1CRCO 12	L1869905-20	Selenium	0.414		0.109	5	06/17/2025 18:33	WG2539358	
GACO0613T137-1CRSO 13	L1869905-21	Arsenic	4.22		0.107	5	06/17/2025 18:37	WG2539358	
GACO0613T137-1CRSO 13	L1869905-21	Barium	67.0		10.7	5	06/17/2025 18:37	WG2539358	
GACO0613T137-1CRSO 13	L1869905-21	Cadmium	0.253		0.107	5	06/17/2025 18:37	WG2539358	
GACO0613T137-1CRSO 13	L1869905-21	Copper	11.1		10.7	5	06/17/2025 18:37	WG2539358	
GACO0613T137-1CRSO 13	L1869905-21	Selenium	0.383		0.107	5	06/17/2025 18:37	WG2539358	
GACO0613T137-1CRSO 14	L1869905-22	Arsenic	2.48		0.105	5	06/17/2025 18:40	WG2539358	
GACO0613T137-1CRSO 14	L1869905-22	Barium	37.7		10.5	5	06/17/2025 18:40	WG2539358	
GACO0613T137-1CRSO 14	L1869905-22	Selenium	0.275		0.105	5	06/17/2025 18:40	WG2539358	
GACO0613T137-1CRSO 14	L1869905-22	Zinc	104		52.6	5	06/17/2025 18:40	WG2539358	

DETECTION SUMMARY

Volatile Organic Compounds (GC) by Method 8015D

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0613T137-1CRS005	L1869905-07	TPH (GC/FID) Low Fraction	3.05		2.97	25	06/15/2025 06:04	WG2538927
GACO0613T137-1CRS013	L1869905-21	TPH (GC/FID) Low Fraction	3.53		2.87	25	06/15/2025 10:16	WG2538927

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
GACO0613T137-1CRS001	L1869905-01	C10-C28 Diesel Range	12.8		4.75	1	06/20/2025 09:59	WG2542147
GACO0613T137-1CRS001	L1869905-01	C28-C36 Motor Oil Range	92.9		4.75	1	06/20/2025 09:59	WG2542147
GACO0613T137-1CRS001	L1869905-02	C10-C28 Diesel Range	8.27		4.66	1	06/20/2025 10:14	WG2542147
GACO0613T137-1CRS001	L1869905-02	C28-C36 Motor Oil Range	73.0		4.66	1	06/20/2025 10:14	WG2542147
GACO0613T137-1CRS002	L1869905-03	C10-C28 Diesel Range	6.73		4.74	1	06/20/2025 09:01	WG2542147
GACO0613T137-1CRS002	L1869905-03	C28-C36 Motor Oil Range	45.0		4.74	1	06/20/2025 09:01	WG2542147
GACO0613T137-1CRS003	L1869905-04	C10-C28 Diesel Range	7.78		4.41	1	06/20/2025 09:16	WG2542147
GACO0613T137-1CRS003	L1869905-04	C28-C36 Motor Oil Range	91.0		4.41	1	06/20/2025 09:16	WG2542147
GACO0613T137-1CRS004	L1869905-06	C10-C28 Diesel Range	26.8		26.1	5	06/20/2025 17:17	WG2542147
GACO0613T137-1CRS004	L1869905-06	C28-C36 Motor Oil Range	173		26.1	5	06/20/2025 17:17	WG2542147
GACO0613T137-1CRS005	L1869905-07	C28-C36 Motor Oil Range	113		21.9	5	06/20/2025 17:02	WG2542147
GACO0613T137-1CRS006	L1869905-08	C10-C28 Diesel Range	5.44		4.65	1	06/20/2025 11:32	WG2542148
GACO0613T137-1CRS006	L1869905-08	C28-C36 Motor Oil Range	23.5		4.65	1	06/20/2025 11:32	WG2542148
GACO0613T137-1CRS015	L1869905-09	C28-C36 Motor Oil Range	241		48.7	10	06/20/2025 15:36	WG2542148
GACO0613T137-1CRS007	L1869905-11	C10-C28 Diesel Range	15.2		4.43	1	06/20/2025 13:15	WG2542148
GACO0613T137-1CRS007	L1869905-11	C28-C36 Motor Oil Range	73.1		4.43	1	06/20/2025 13:15	WG2542148
GACO0613T137-1CRS008	L1869905-12	C10-C28 Diesel Range	26.0		4.63	1	06/20/2025 14:32	WG2542148
GACO0613T137-1CRS008	L1869905-12	C28-C36 Motor Oil Range	120		4.63	1	06/20/2025 14:32	WG2542148
GACO0613T137-1CRS009	L1869905-14	C10-C28 Diesel Range	13.5		5.31	1	06/20/2025 11:58	WG2542148
GACO0613T137-1CRS009	L1869905-14	C28-C36 Motor Oil Range	59.2		5.31	1	06/20/2025 11:58	WG2542148
GACO0613T137-1CRS010	L1869905-15	C10-C28 Diesel Range	30.2		4.49	1	06/20/2025 14:32	WG2542148
GACO0613T137-1CRS010	L1869905-15	C28-C36 Motor Oil Range	165		4.49	1	06/20/2025 14:32	WG2542148
GACO0613T137-1CRS011	L1869905-16	C10-C28 Diesel Range	10.8		5.85	1	06/20/2025 14:06	WG2542148
GACO0613T137-1CRS011	L1869905-16	C28-C36 Motor Oil Range	79.7		5.85	1	06/20/2025 14:06	WG2542148
GACO0613T137-1CRS016	L1869905-17	C28-C36 Motor Oil Range	7.98		4.57	1	06/20/2025 11:07	WG2542148
GACO0613T137-1CRS012	L1869905-19	C10-C28 Diesel Range	22.3		4.31	1	06/20/2025 12:49	WG2542148
GACO0613T137-1CRS012	L1869905-19	C28-C36 Motor Oil Range	120		4.31	1	06/20/2025 12:49	WG2542148
GACO0613T137-1CRS012	L1869905-20	C10-C28 Diesel Range	19.6		4.37	1	06/20/2025 13:15	WG2542148
GACO0613T137-1CRS012	L1869905-20	C28-C36 Motor Oil Range	104		4.37	1	06/20/2025 13:15	WG2542148

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

DETECTION SUMMARY

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

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0613T137-1CRS013	L1869905-21	C10-C28 Diesel Range	31.3		4.30	1	06/20/2025 14:58	WG2542148
GACO0613T137-1CRS013	L1869905-21	C28-C36 Motor Oil Range	135		4.30	1	06/20/2025 14:58	WG2542148
GACO0613T137-1CRS014	L1869905-22	C10-C28 Diesel Range	24.7		4.21	1	06/20/2025 14:58	WG2542148
GACO0613T137-1CRS014	L1869905-22	C28-C36 Motor Oil Range	92.6		4.21	1	06/20/2025 14:58	WG2542148

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Ds

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

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0613T137-1CRS015	L1869905-09	Bis(2-ethylhexyl)phthalate	7.86		4.06	10	06/20/2025 18:08	WG2541977

⁶ Sr

⁷ Qc

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
GACO0613T137-1CRS004	L1869905-06	Naphthalene	0.0107		0.00391	1	06/21/2025 15:30	WG2542468
GACO0613T137-1CRS004	L1869905-06	1-Methylnaphthalene	0.00432		0.00391	1	06/21/2025 15:30	WG2542468
GACO0613T137-1CRS015	L1869905-09	Benzo(a)anthracene	0.0480		0.00731	1	06/21/2025 05:59	WG2542472
GACO0613T137-1CRS015	L1869905-09	Benzo(b)fluoranthene	0.0528	J4	0.0402	1	06/21/2025 05:59	WG2542472
GACO0613T137-1CRS015	L1869905-09	Fluoranthene	0.0589		0.0402	1	06/21/2025 05:59	WG2542472
GACO0613T137-1CRS015	L1869905-09	Pyrene	0.0576		0.0402	1	06/21/2025 05:59	WG2542472

⁸ Gl

⁹ Al

¹⁰ Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.23		1	06/20/2025 14:55	WG2541746

1
Cp

2
Tc

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1900		23.7	1	06/20/2025 22:32	WG2539006

3
Ss

4
Cn

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.3		1	06/14/2025 19:49	WG2538880

5
Ds

6
Sr

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11.9	1	06/18/2025 00:08	WG2539497

7
Qc

8
Gl

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1870		119	5	06/20/2025 22:32	WG2542881

9
Al

10
Sc

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.237	1	06/26/2025 14:43	WG2539253

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.99		1	06/21/2025 08:01	WG2542964

Sample Narrative:

L1869905-01 WG2542964: 7.99 at 22.1C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	550	umhos/cm		10.0	1	06/21/2025 14:08	WG2542966

Sample Narrative:

L1869905-01 WG2542966: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	29.8		23.7	1	06/15/2025 15:47	WG2539006

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	18800		1000	10	06/18/2025 17:41	WG2539188

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.481		0.200	1	06/20/2025 17:42	WG2541799

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	10300		23.7	1	06/17/2025 09:02	WG2539349
Antimony	ND		2.37	1	06/17/2025 09:02	WG2539349
Beryllium	0.545		0.237	1	06/17/2025 09:02	WG2539349
Calcium	10100		119	1	06/17/2025 09:02	WG2539349
Chromium	10.1		1.19	1	06/17/2025 09:02	WG2539349
Cobalt	4.79		1.19	1	06/17/2025 09:02	WG2539349
Iron	12400		11.9	1	06/17/2025 09:02	WG2539349
Magnesium	3160		119	1	06/17/2025 09:02	WG2539349
Manganese	251		1.19	1	06/17/2025 09:02	WG2539349
Potassium	2730		119	1	06/17/2025 09:02	WG2539349
Sodium	123		119	1	06/17/2025 09:02	WG2539349
Thallium	ND		2.37	1	06/17/2025 09:02	WG2539349
Vanadium	22.1		2.37	1	06/17/2025 09:02	WG2539349

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	5.25		0.119	5	06/17/2025 16:52	WG2539358
Barium	89.1		11.9	5	06/17/2025 16:52	WG2539358
Cadmium	0.264		0.119	5	06/17/2025 16:52	WG2539358
Copper	ND		11.9	5	06/17/2025 16:52	WG2539358
Lead	ND		11.9	5	06/17/2025 16:52	WG2539358
Nickel	ND		11.9	5	06/17/2025 16:52	WG2539358
Selenium	0.407		0.119	5	06/17/2025 16:52	WG2539358
Silver	ND		0.593	5	06/17/2025 16:52	WG2539358
Zinc	ND		59.3	5	06/17/2025 16:52	WG2539358

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		3.43	25	06/15/2025 07:56	WG2538926
(S) a,a,a-Trifluorotoluene(FID)	100		77.0-120		06/15/2025 07:56	WG2538926

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0687	1	06/15/2025 14:38	WG2538915
Acrylonitrile	ND		0.0172	1	06/15/2025 14:38	WG2538915
Benzene	ND		0.00137	1	06/15/2025 14:38	WG2538915
Bromobenzene	ND		0.0172	1	06/15/2025 14:38	WG2538915
Bromodichloromethane	ND		0.00343	1	06/15/2025 14:38	WG2538915
Bromoform	ND		0.0343	1	06/15/2025 14:38	WG2538915
Bromomethane	ND		0.0172	1	06/15/2025 14:38	WG2538915
n-Butylbenzene	ND		0.0172	1	06/15/2025 14:38	WG2538915
sec-Butylbenzene	ND		0.0172	1	06/15/2025 14:38	WG2538915
tert-Butylbenzene	ND		0.00687	1	06/15/2025 14:38	WG2538915
Carbon tetrachloride	ND		0.00687	1	06/15/2025 14:38	WG2538915
Chlorobenzene	ND		0.00343	1	06/15/2025 14:38	WG2538915
Chlorodibromomethane	ND		0.00343	1	06/15/2025 14:38	WG2538915

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND		0.00687	1	06/15/2025 14:38	WG2538915
Chloroform	ND		0.00343	1	06/15/2025 14:38	WG2538915
Chloromethane	ND		0.0172	1	06/15/2025 14:38	WG2538915
2-Chlorotoluene	ND		0.00343	1	06/15/2025 14:38	WG2538915
4-Chlorotoluene	ND		0.00687	1	06/15/2025 14:38	WG2538915
1,2-Dibromo-3-Chloropropane	ND		0.0343	1	06/15/2025 14:38	WG2538915
1,2-Dibromoethane	ND		0.00343	1	06/15/2025 14:38	WG2538915
Dibromomethane	ND		0.00687	1	06/15/2025 14:38	WG2538915
1,2-Dichlorobenzene	ND		0.00687	1	06/15/2025 14:38	WG2538915
1,3-Dichlorobenzene	ND		0.00687	1	06/15/2025 14:38	WG2538915
1,4-Dichlorobenzene	ND		0.00687	1	06/15/2025 14:38	WG2538915
Dichlorodifluoromethane	ND		0.00687	1	06/15/2025 14:38	WG2538915
1,1-Dichloroethane	ND		0.00343	1	06/15/2025 14:38	WG2538915
1,2-Dichloroethane	ND		0.00343	1	06/15/2025 14:38	WG2538915
1,1-Dichloroethene	ND		0.00343	1	06/15/2025 14:38	WG2538915
cis-1,2-Dichloroethene	ND		0.00343	1	06/15/2025 14:38	WG2538915
trans-1,2-Dichloroethene	ND		0.00687	1	06/15/2025 14:38	WG2538915
1,2-Dichloropropane	ND		0.00687	1	06/15/2025 14:38	WG2538915
1,1-Dichloropropene	ND		0.00343	1	06/15/2025 14:38	WG2538915
1,3-Dichloropropane	ND		0.00687	1	06/15/2025 14:38	WG2538915
cis-1,3-Dichloropropene	ND		0.00343	1	06/15/2025 14:38	WG2538915
trans-1,3-Dichloropropene	ND		0.00687	1	06/15/2025 14:38	WG2538915
2,2-Dichloropropane	ND		0.00343	1	06/15/2025 14:38	WG2538915
Di-isopropyl ether	ND		0.00137	1	06/15/2025 14:38	WG2538915
Ethylbenzene	ND		0.0137	1	06/15/2025 14:38	WG2538915
Hexachloro-1,3-butadiene	ND		0.0343	1	06/15/2025 14:38	WG2538915
Isopropylbenzene	ND		0.00343	1	06/15/2025 14:38	WG2538915
p-Isopropyltoluene	ND		0.00687	1	06/15/2025 14:38	WG2538915
2-Butanone (MEK)	ND		0.137	1	06/15/2025 14:38	WG2538915
Methylene Chloride	ND		0.0343	1	06/15/2025 14:38	WG2538915
4-Methyl-2-pentanone (MIBK)	ND		0.0343	1	06/15/2025 14:38	WG2538915
Methyl tert-butyl ether	ND		0.00137	1	06/15/2025 14:38	WG2538915
n-Propylbenzene	ND		0.00687	1	06/15/2025 14:38	WG2538915
Styrene	ND		0.0172	1	06/15/2025 14:38	WG2538915
1,1,1,2-Tetrachloroethane	ND		0.00343	1	06/15/2025 14:38	WG2538915
1,1,2,2-Tetrachloroethane	ND		0.00343	1	06/15/2025 14:38	WG2538915
1,1,2-Trichlorotrifluoroethane	ND		0.00343	1	06/15/2025 14:38	WG2538915
Tetrachloroethene	ND		0.00343	1	06/15/2025 14:38	WG2538915
Toluene	ND		0.0137	1	06/15/2025 14:38	WG2538915
1,2,3-Trichlorobenzene	ND		0.0172	1	06/15/2025 14:38	WG2538915
1,2,4-Trichlorobenzene	ND		0.0172	1	06/15/2025 14:38	WG2538915
1,1,1-Trichloroethane	ND		0.00343	1	06/15/2025 14:38	WG2538915
1,1,2-Trichloroethane	ND		0.00343	1	06/15/2025 14:38	WG2538915
Trichloroethene	ND		0.00137	1	06/15/2025 14:38	WG2538915
Trichlorofluoromethane	ND		0.00343	1	06/15/2025 14:38	WG2538915
1,2,3-Trichloropropane	ND		0.0172	1	06/15/2025 14:38	WG2538915
1,2,3-Trimethylbenzene	ND		0.00687	1	06/15/2025 14:38	WG2538915
1,2,4-Trimethylbenzene	ND		0.00687	1	06/15/2025 14:38	WG2538915
1,3,5-Trimethylbenzene	ND		0.00687	1	06/15/2025 14:38	WG2538915
Vinyl chloride	ND		0.00343	1	06/15/2025 14:38	WG2538915
Xylenes, Total	ND		0.137	1	06/15/2025 14:38	WG2538915
(S) Toluene-d8	93.4		75.0-131		06/15/2025 14:38	WG2538915
(S) 4-Bromofluorobenzene	104		67.0-138		06/15/2025 14:38	WG2538915
(S) 1,2-Dichloroethane-d4	97.5		70.0-130		06/15/2025 14:38	WG2538915



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	12.8		4.75	1	06/20/2025 09:59	WG2542147
C28-C36 Motor Oil Range	92.9		4.75	1	06/20/2025 09:59	WG2542147
(S) o-Terphenyl	73.4		18.0-148		06/20/2025 09:59	WG2542147

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		0.0395	1	06/20/2025 05:01	WG2541977
Benzidine	ND	J4	1.98	1	06/20/2025 05:01	WG2541977
Benzo(g,h,i)perylene	ND		0.0395	1	06/20/2025 05:01	WG2541977
Bis(2-chlorethoxy)methane	ND		0.395	1	06/20/2025 05:01	WG2541977
Bis(2-chloroethyl)ether	ND		0.395	1	06/20/2025 05:01	WG2541977
2,2-Oxybis(1-Chloropropane)	ND		0.395	1	06/20/2025 05:01	WG2541977
4-Bromophenyl-phenylether	ND		0.395	1	06/20/2025 05:01	WG2541977
2-Chloronaphthalene	ND		0.0395	1	06/20/2025 05:01	WG2541977
4-Chlorophenyl-phenylether	ND		0.395	1	06/20/2025 05:01	WG2541977
1,2-Dichlorobenzene	ND		0.395	1	06/20/2025 05:01	WG2541977
1,3-Dichlorobenzene	ND		0.395	1	06/20/2025 05:01	WG2541977
1,4-Dichlorobenzene	ND		0.395	1	06/20/2025 05:01	WG2541977
3,3-Dichlorobenzidine	ND		0.395	1	06/20/2025 05:01	WG2541977
2,4-Dinitrotoluene	ND		0.395	1	06/20/2025 05:01	WG2541977
2,6-Dinitrotoluene	ND		0.395	1	06/20/2025 05:01	WG2541977
Hexachlorobenzene	ND		0.395	1	06/20/2025 05:01	WG2541977
Hexachloro-1,3-butadiene	ND		0.395	1	06/20/2025 05:01	WG2541977
Hexachlorocyclopentadiene	ND	C7	0.395	1	06/20/2025 05:01	WG2541977
Hexachloroethane	ND		0.395	1	06/20/2025 05:01	WG2541977
Isophorone	ND		0.395	1	06/20/2025 05:01	WG2541977
Nitrobenzene	ND		0.395	1	06/20/2025 05:01	WG2541977
n-Nitrosodimethylamine	ND	C3	0.395	1	06/20/2025 05:01	WG2541977
n-Nitrosodiphenylamine	ND		0.395	1	06/20/2025 05:01	WG2541977
n-Nitrosodi-n-propylamine	ND		0.395	1	06/20/2025 05:01	WG2541977
Phenanthrene	ND		0.0395	1	06/20/2025 05:01	WG2541977
Benzylbutyl phthalate	ND		0.395	1	06/20/2025 05:01	WG2541977
Bis(2-ethylhexyl)phthalate	ND		0.395	1	06/20/2025 05:01	WG2541977
Di-n-butyl phthalate	ND		0.395	1	06/20/2025 05:01	WG2541977
Diethyl phthalate	ND		0.395	1	06/20/2025 05:01	WG2541977
Dimethyl phthalate	ND		0.395	1	06/20/2025 05:01	WG2541977
Di-n-octyl phthalate	ND		0.395	1	06/20/2025 05:01	WG2541977
1,2,4-Trichlorobenzene	ND		0.395	1	06/20/2025 05:01	WG2541977
4-Chloro-3-methylphenol	ND		0.395	1	06/20/2025 05:01	WG2541977
2-Chlorophenol	ND		0.395	1	06/20/2025 05:01	WG2541977
2,4-Dichlorophenol	ND		0.395	1	06/20/2025 05:01	WG2541977
2,4-Dimethylphenol	ND		0.395	1	06/20/2025 05:01	WG2541977
4,6-Dinitro-2-methylphenol	ND		0.395	1	06/20/2025 05:01	WG2541977
2,4-Dinitrophenol	ND		0.395	1	06/20/2025 05:01	WG2541977
2-Nitrophenol	ND		0.395	1	06/20/2025 05:01	WG2541977
4-Nitrophenol	ND		0.395	1	06/20/2025 05:01	WG2541977
Pentachlorophenol	ND		0.395	1	06/20/2025 05:01	WG2541977
Phenol	ND		0.395	1	06/20/2025 05:01	WG2541977
2,4,6-Trichlorophenol	ND		0.395	1	06/20/2025 05:01	WG2541977
(S) 2-Fluorophenol	53.8		12.0-120		06/20/2025 05:01	WG2541977
(S) Phenol-d5	51.4		10.0-120		06/20/2025 05:01	WG2541977
(S) Nitrobenzene-d5	44.2		10.0-122		06/20/2025 05:01	WG2541977
(S) 2-Fluorobiphenyl	51.5		15.0-120		06/20/2025 05:01	WG2541977
(S) 2,4,6-Tribromophenol	75.8		10.0-127		06/20/2025 05:01	WG2541977
(S) p-Terphenyl-d14	56.4		10.0-120		06/20/2025 05:01	WG2541977

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0392	1	06/21/2025 10:30	WG2542468
Acenaphthene	ND		0.0392	1	06/21/2025 10:30	WG2542468
Acenaphthylene	ND		0.0392	1	06/21/2025 10:30	WG2542468
Benzo(a)anthracene	ND		0.00712	1	06/21/2025 10:30	WG2542468
Benzo(a)pyrene	ND		0.0392	1	06/21/2025 10:30	WG2542468
Benzo(b)fluoranthene	ND		0.0392	1	06/21/2025 10:30	WG2542468
Benzo(g,h,i)perylene	ND		0.0392	1	06/21/2025 10:30	WG2542468
Benzo(k)fluoranthene	ND		0.0392	1	06/21/2025 10:30	WG2542468
Chrysene	ND		0.0392	1	06/21/2025 10:30	WG2542468
Dibenz(a,h)anthracene	ND		0.0392	1	06/21/2025 10:30	WG2542468
Fluoranthene	ND		0.0392	1	06/21/2025 10:30	WG2542468
Fluorene	ND		0.0392	1	06/21/2025 10:30	WG2542468
Indeno(1,2,3-cd)pyrene	ND		0.0392	1	06/21/2025 10:30	WG2542468
Naphthalene	ND		0.00356	1	06/21/2025 10:30	WG2542468
Phenanthrene	ND		0.0392	1	06/21/2025 10:30	WG2542468
Pyrene	ND		0.0392	1	06/21/2025 10:30	WG2542468
1-Methylnaphthalene	ND		0.00356	1	06/21/2025 10:30	WG2542468
2-Methylnaphthalene	ND		0.0142	1	06/21/2025 10:30	WG2542468
(S) p-Terphenyl-d14	105		23.0-120		06/21/2025 10:30	WG2542468
(S) Nitrobenzene-d5	111		14.0-149		06/21/2025 10:30	WG2542468
(S) 2-Fluorobiphenyl	106		34.0-125		06/21/2025 10:30	WG2542468

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.967		1	06/20/2025 14:58	WG2541746

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	2200		23.3	1	06/20/2025 22:34	WG2539006

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.8		1	06/14/2025 19:49	WG2538880

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11.7	1	06/18/2025 00:09	WG2539497

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	2160		117	5	06/20/2025 22:34	WG2542881

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.233	1	06/26/2025 14:52	WG2539253

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.78		1	06/21/2025 08:01	WG2542964

Sample Narrative:
L1869905-02 WG2542964: 7.78 at 22.1C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	519	umhos/cm		10.0	1	06/21/2025 14:08	WG2542966

Sample Narrative:
L1869905-02 WG2542966: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	41.6		23.3	1	06/15/2025 16:00	WG2539006

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	20000		1000	10	06/18/2025 17:41	WG2539188

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.518		0.200	1	06/20/2025 17:44	WG2541799

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	7570		23.3	1	06/17/2025 09:04	WG2539349
Antimony	ND		2.33	1	06/17/2025 09:04	WG2539349
Beryllium	0.448		0.233	1	06/17/2025 09:04	WG2539349
Calcium	8450		117	1	06/17/2025 09:04	WG2539349
Chromium	8.01		1.17	1	06/17/2025 09:04	WG2539349
Cobalt	4.18		1.17	1	06/17/2025 09:04	WG2539349
Iron	9890		11.7	1	06/17/2025 09:04	WG2539349
Magnesium	2550		117	1	06/17/2025 09:04	WG2539349
Manganese	227		1.17	1	06/17/2025 09:04	WG2539349
Potassium	2210		117	1	06/17/2025 09:04	WG2539349
Sodium	ND		117	1	06/17/2025 09:04	WG2539349
Thallium	ND		2.33	1	06/17/2025 09:04	WG2539349
Vanadium	16.8		2.33	1	06/17/2025 09:04	WG2539349

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.14		0.117	5	06/17/2025 16:55	WG2539358
Barium	79.6		11.7	5	06/17/2025 16:55	WG2539358
Cadmium	0.238		0.117	5	06/17/2025 16:55	WG2539358
Copper	ND		11.7	5	06/17/2025 16:55	WG2539358
Lead	ND		11.7	5	06/17/2025 16:55	WG2539358
Nickel	ND		11.7	5	06/17/2025 16:55	WG2539358
Selenium	0.465		0.117	5	06/17/2025 16:55	WG2539358
Silver	ND		0.583	5	06/17/2025 16:55	WG2539358
Zinc	ND		58.3	5	06/17/2025 16:55	WG2539358

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		3.33	25	06/15/2025 08:18	WG2538926
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	100		77.0-120		06/15/2025 08:18	WG2538926

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0666	1	06/15/2025 14:57	WG2538915
Acrylonitrile	ND		0.0167	1	06/15/2025 14:57	WG2538915
Benzene	ND		0.00133	1	06/15/2025 14:57	WG2538915
Bromobenzene	ND		0.0167	1	06/15/2025 14:57	WG2538915
Bromodichloromethane	ND		0.00333	1	06/15/2025 14:57	WG2538915
Bromoform	ND		0.0333	1	06/15/2025 14:57	WG2538915
Bromomethane	ND		0.0167	1	06/15/2025 14:57	WG2538915
n-Butylbenzene	ND		0.0167	1	06/15/2025 14:57	WG2538915
sec-Butylbenzene	ND		0.0167	1	06/15/2025 14:57	WG2538915
tert-Butylbenzene	ND		0.00666	1	06/15/2025 14:57	WG2538915
Carbon tetrachloride	ND		0.00666	1	06/15/2025 14:57	WG2538915
Chlorobenzene	ND		0.00333	1	06/15/2025 14:57	WG2538915
Chlorodibromomethane	ND		0.00333	1	06/15/2025 14:57	WG2538915



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		0.00666	1	06/15/2025 14:57	WG2538915
Chloroform	ND		0.00333	1	06/15/2025 14:57	WG2538915
Chloromethane	ND		0.0167	1	06/15/2025 14:57	WG2538915
2-Chlorotoluene	ND		0.00333	1	06/15/2025 14:57	WG2538915
4-Chlorotoluene	ND		0.00666	1	06/15/2025 14:57	WG2538915
1,2-Dibromo-3-Chloropropane	ND		0.0333	1	06/15/2025 14:57	WG2538915
1,2-Dibromoethane	ND		0.00333	1	06/15/2025 14:57	WG2538915
Dibromomethane	ND		0.00666	1	06/15/2025 14:57	WG2538915
1,2-Dichlorobenzene	ND		0.00666	1	06/15/2025 14:57	WG2538915
1,3-Dichlorobenzene	ND		0.00666	1	06/15/2025 14:57	WG2538915
1,4-Dichlorobenzene	ND		0.00666	1	06/15/2025 14:57	WG2538915
Dichlorodifluoromethane	ND		0.00666	1	06/15/2025 14:57	WG2538915
1,1-Dichloroethane	ND		0.00333	1	06/15/2025 14:57	WG2538915
1,2-Dichloroethane	ND		0.00333	1	06/15/2025 14:57	WG2538915
1,1-Dichloroethene	ND		0.00333	1	06/15/2025 14:57	WG2538915
cis-1,2-Dichloroethene	ND		0.00333	1	06/15/2025 14:57	WG2538915
trans-1,2-Dichloroethene	ND		0.00666	1	06/15/2025 14:57	WG2538915
1,2-Dichloropropane	ND		0.00666	1	06/15/2025 14:57	WG2538915
1,1-Dichloropropene	ND		0.00333	1	06/15/2025 14:57	WG2538915
1,3-Dichloropropane	ND		0.00666	1	06/15/2025 14:57	WG2538915
cis-1,3-Dichloropropene	ND		0.00333	1	06/15/2025 14:57	WG2538915
trans-1,3-Dichloropropene	ND		0.00666	1	06/15/2025 14:57	WG2538915
2,2-Dichloropropane	ND		0.00333	1	06/15/2025 14:57	WG2538915
Di-isopropyl ether	ND		0.00133	1	06/15/2025 14:57	WG2538915
Ethylbenzene	ND		0.0133	1	06/15/2025 14:57	WG2538915
Hexachloro-1,3-butadiene	ND		0.0333	1	06/15/2025 14:57	WG2538915
Isopropylbenzene	ND		0.00333	1	06/15/2025 14:57	WG2538915
p-Isopropyltoluene	ND		0.00666	1	06/15/2025 14:57	WG2538915
2-Butanone (MEK)	ND		0.133	1	06/15/2025 14:57	WG2538915
Methylene Chloride	ND		0.0333	1	06/15/2025 14:57	WG2538915
4-Methyl-2-pentanone (MIBK)	ND		0.0333	1	06/15/2025 14:57	WG2538915
Methyl tert-butyl ether	ND		0.00133	1	06/15/2025 14:57	WG2538915
n-Propylbenzene	ND		0.00666	1	06/15/2025 14:57	WG2538915
Styrene	ND		0.0167	1	06/15/2025 14:57	WG2538915
1,1,1,2-Tetrachloroethane	ND		0.00333	1	06/15/2025 14:57	WG2538915
1,1,2,2-Tetrachloroethane	ND		0.00333	1	06/15/2025 14:57	WG2538915
1,1,2-Trichlorotrifluoroethane	ND		0.00333	1	06/15/2025 14:57	WG2538915
Tetrachloroethene	ND		0.00333	1	06/15/2025 14:57	WG2538915
Toluene	ND		0.0133	1	06/15/2025 14:57	WG2538915
1,2,3-Trichlorobenzene	ND		0.0167	1	06/15/2025 14:57	WG2538915
1,2,4-Trichlorobenzene	ND		0.0167	1	06/15/2025 14:57	WG2538915
1,1,1-Trichloroethane	ND		0.00333	1	06/15/2025 14:57	WG2538915
1,1,2-Trichloroethane	ND		0.00333	1	06/15/2025 14:57	WG2538915
Trichloroethene	ND		0.00133	1	06/15/2025 14:57	WG2538915
Trichlorofluoromethane	ND		0.00333	1	06/15/2025 14:57	WG2538915
1,2,3-Trichloropropane	ND		0.0167	1	06/15/2025 14:57	WG2538915
1,2,3-Trimethylbenzene	ND		0.00666	1	06/15/2025 14:57	WG2538915
1,2,4-Trimethylbenzene	ND		0.00666	1	06/15/2025 14:57	WG2538915
1,3,5-Trimethylbenzene	ND		0.00666	1	06/15/2025 14:57	WG2538915
Vinyl chloride	ND		0.00333	1	06/15/2025 14:57	WG2538915
Xylenes, Total	ND		0.133	1	06/15/2025 14:57	WG2538915
(S) Toluene-d8	94.6		75.0-131		06/15/2025 14:57	WG2538915
(S) 4-Bromofluorobenzene	103		67.0-138		06/15/2025 14:57	WG2538915
(S) 1,2-Dichloroethane-d4	98.2		70.0-130		06/15/2025 14:57	WG2538915



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	8.27		4.66	1	06/20/2025 10:14	WG2542147
C28-C36 Motor Oil Range	73.0		4.66	1	06/20/2025 10:14	WG2542147
(S) o-Terphenyl	53.7		18.0-148		06/20/2025 10:14	WG2542147

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		0.0388	1	06/20/2025 05:23	WG2541977
Benzidine	ND	J4	1.95	1	06/20/2025 05:23	WG2541977
Benzo(g,h,i)perylene	ND		0.0388	1	06/20/2025 05:23	WG2541977
Bis(2-chlorethoxy)methane	ND		0.388	1	06/20/2025 05:23	WG2541977
Bis(2-chloroethyl)ether	ND		0.388	1	06/20/2025 05:23	WG2541977
2,2-Oxybis(1-Chloropropane)	ND		0.388	1	06/20/2025 05:23	WG2541977
4-Bromophenyl-phenylether	ND		0.388	1	06/20/2025 05:23	WG2541977
2-Chloronaphthalene	ND		0.0388	1	06/20/2025 05:23	WG2541977
4-Chlorophenyl-phenylether	ND		0.388	1	06/20/2025 05:23	WG2541977
1,2-Dichlorobenzene	ND		0.388	1	06/20/2025 05:23	WG2541977
1,3-Dichlorobenzene	ND		0.388	1	06/20/2025 05:23	WG2541977
1,4-Dichlorobenzene	ND		0.388	1	06/20/2025 05:23	WG2541977
3,3-Dichlorobenzidine	ND		0.388	1	06/20/2025 05:23	WG2541977
2,4-Dinitrotoluene	ND		0.388	1	06/20/2025 05:23	WG2541977
2,6-Dinitrotoluene	ND		0.388	1	06/20/2025 05:23	WG2541977
Hexachlorobenzene	ND		0.388	1	06/20/2025 05:23	WG2541977
Hexachloro-1,3-butadiene	ND		0.388	1	06/20/2025 05:23	WG2541977
Hexachlorocyclopentadiene	ND	C7	0.388	1	06/20/2025 05:23	WG2541977
Hexachloroethane	ND		0.388	1	06/20/2025 05:23	WG2541977
Isophorone	ND		0.388	1	06/20/2025 05:23	WG2541977
Nitrobenzene	ND		0.388	1	06/20/2025 05:23	WG2541977
n-Nitrosodimethylamine	ND	C3	0.388	1	06/20/2025 05:23	WG2541977
n-Nitrosodiphenylamine	ND		0.388	1	06/20/2025 05:23	WG2541977
n-Nitrosodi-n-propylamine	ND		0.388	1	06/20/2025 05:23	WG2541977
Phenanthrene	ND		0.0388	1	06/20/2025 05:23	WG2541977
Benzylbutyl phthalate	ND		0.388	1	06/20/2025 05:23	WG2541977
Bis(2-ethylhexyl)phthalate	ND		0.388	1	06/20/2025 05:23	WG2541977
Di-n-butyl phthalate	ND		0.388	1	06/20/2025 05:23	WG2541977
Diethyl phthalate	ND		0.388	1	06/20/2025 05:23	WG2541977
Dimethyl phthalate	ND		0.388	1	06/20/2025 05:23	WG2541977
Di-n-octyl phthalate	ND		0.388	1	06/20/2025 05:23	WG2541977
1,2,4-Trichlorobenzene	ND		0.388	1	06/20/2025 05:23	WG2541977
4-Chloro-3-methylphenol	ND		0.388	1	06/20/2025 05:23	WG2541977
2-Chlorophenol	ND		0.388	1	06/20/2025 05:23	WG2541977
2,4-Dichlorophenol	ND		0.388	1	06/20/2025 05:23	WG2541977
2,4-Dimethylphenol	ND		0.388	1	06/20/2025 05:23	WG2541977
4,6-Dinitro-2-methylphenol	ND		0.388	1	06/20/2025 05:23	WG2541977
2,4-Dinitrophenol	ND		0.388	1	06/20/2025 05:23	WG2541977
2-Nitrophenol	ND		0.388	1	06/20/2025 05:23	WG2541977
4-Nitrophenol	ND		0.388	1	06/20/2025 05:23	WG2541977
Pentachlorophenol	ND		0.388	1	06/20/2025 05:23	WG2541977
Phenol	ND		0.388	1	06/20/2025 05:23	WG2541977
2,4,6-Trichlorophenol	ND		0.388	1	06/20/2025 05:23	WG2541977
(S) 2-Fluorophenol	52.0		12.0-120		06/20/2025 05:23	WG2541977
(S) Phenol-d5	50.3		10.0-120		06/20/2025 05:23	WG2541977
(S) Nitrobenzene-d5	42.6		10.0-122		06/20/2025 05:23	WG2541977
(S) 2-Fluorobiphenyl	50.0		15.0-120		06/20/2025 05:23	WG2541977
(S) 2,4,6-Tribromophenol	74.5		10.0-127		06/20/2025 05:23	WG2541977
(S) p-Terphenyl-d14	55.2		10.0-120		06/20/2025 05:23	WG2541977

1

Cp

2

Tc

3

Ss

4

Cn

5

Ds

6

Sr

7

Qc

8

Gl

9

Al

10

Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0385	1	06/21/2025 15:12	WG2542468
Acenaphthene	ND		0.0385	1	06/21/2025 15:12	WG2542468
Acenaphthylene	ND		0.0385	1	06/21/2025 15:12	WG2542468
Benzo(a)anthracene	ND		0.00700	1	06/21/2025 15:12	WG2542468
Benzo(a)pyrene	ND		0.0385	1	06/21/2025 15:12	WG2542468
Benzo(b)fluoranthene	ND		0.0385	1	06/21/2025 15:12	WG2542468
Benzo(g,h,i)perylene	ND		0.0385	1	06/21/2025 15:12	WG2542468
Benzo(k)fluoranthene	ND		0.0385	1	06/21/2025 15:12	WG2542468
Chrysene	ND		0.0385	1	06/21/2025 15:12	WG2542468
Dibenz(a,h)anthracene	ND		0.0385	1	06/21/2025 15:12	WG2542468
Fluoranthene	ND		0.0385	1	06/21/2025 15:12	WG2542468
Fluorene	ND		0.0385	1	06/21/2025 15:12	WG2542468
Indeno(1,2,3-cd)pyrene	ND		0.0385	1	06/21/2025 15:12	WG2542468
Naphthalene	ND		0.00350	1	06/21/2025 15:12	WG2542468
Phenanthrene	ND		0.0385	1	06/21/2025 15:12	WG2542468
Pyrene	ND		0.0385	1	06/21/2025 15:12	WG2542468
1-Methylnaphthalene	ND		0.00350	1	06/21/2025 15:12	WG2542468
2-Methylnaphthalene	ND		0.0140	1	06/21/2025 15:12	WG2542468
(S) p-Terphenyl-d14	96.9		23.0-120		06/21/2025 15:12	WG2542468
(S) Nitrobenzene-d5	121		14.0-149		06/21/2025 15:12	WG2542468
(S) 2-Fluorobiphenyl	101		34.0-125		06/21/2025 15:12	WG2542468

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.612		1	06/20/2025 15:01	WG2541746

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	833		23.7	1	06/20/2025 22:35	WG2539006

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.4		1	06/14/2025 19:49	WG2538880

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11.9	1	06/18/2025 00:11	WG2539497

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	829		119	5	06/20/2025 22:35	WG2542881

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.237	1	06/26/2025 15:01	WG2539253

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.94		1	06/21/2025 08:01	WG2542964

Sample Narrative:

L1869905-03 WG2542964: 7.94 at 22.1C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	321	umhos/cm		10.0	1	06/21/2025 14:08	WG2542966

Sample Narrative:

L1869905-03 WG2542966: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		23.7	1	06/15/2025 16:12	WG2539006

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	5280		500	5	06/18/2025 17:41	WG2539188

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.383		0.200	1	06/20/2025 17:46	WG2541799

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	7340		23.7	1	06/17/2025 09:05	WG2539349
Antimony	ND		2.37	1	06/17/2025 09:05	WG2539349
Beryllium	0.487		0.237	1	06/17/2025 09:05	WG2539349
Calcium	17400		119	1	06/17/2025 09:05	WG2539349
Chromium	7.50		1.19	1	06/17/2025 09:05	WG2539349
Cobalt	4.51		1.19	1	06/17/2025 09:05	WG2539349
Iron	10300		11.9	1	06/17/2025 09:05	WG2539349
Magnesium	2780		119	1	06/17/2025 09:05	WG2539349
Manganese	225		1.19	1	06/17/2025 09:05	WG2539349
Potassium	1900		119	1	06/17/2025 09:05	WG2539349
Sodium	ND		119	1	06/17/2025 09:05	WG2539349
Thallium	ND		2.37	1	06/17/2025 09:05	WG2539349
Vanadium	17.7		2.37	1	06/17/2025 09:05	WG2539349

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.92		0.119	5	06/17/2025 16:59	WG2539358
Barium	73.5		11.9	5	06/17/2025 16:59	WG2539358
Cadmium	0.225		0.119	5	06/17/2025 16:59	WG2539358
Copper	ND		11.9	5	06/17/2025 16:59	WG2539358
Lead	ND		11.9	5	06/17/2025 16:59	WG2539358
Nickel	ND		11.9	5	06/17/2025 16:59	WG2539358
Selenium	0.323		0.119	5	06/17/2025 16:59	WG2539358
Silver	ND		0.593	5	06/17/2025 16:59	WG2539358
Zinc	ND		59.3	5	06/17/2025 16:59	WG2539358

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		3.43	25	06/15/2025 08:41	WG2538926
(S) a,a,a-Trifluorotoluene(FID)	101		77.0-120		06/15/2025 08:41	WG2538926

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0685	1	06/15/2025 15:16	WG2538915
Acrylonitrile	ND		0.0171	1	06/15/2025 15:16	WG2538915
Benzene	ND		0.00137	1	06/15/2025 15:16	WG2538915
Bromobenzene	ND		0.0171	1	06/15/2025 15:16	WG2538915
Bromodichloromethane	ND		0.00343	1	06/15/2025 15:16	WG2538915
Bromoform	ND		0.0343	1	06/15/2025 15:16	WG2538915
Bromomethane	ND		0.0171	1	06/15/2025 15:16	WG2538915
n-Butylbenzene	ND		0.0171	1	06/15/2025 15:16	WG2538915
sec-Butylbenzene	ND		0.0171	1	06/15/2025 15:16	WG2538915
tert-Butylbenzene	ND		0.00685	1	06/15/2025 15:16	WG2538915
Carbon tetrachloride	ND		0.00685	1	06/15/2025 15:16	WG2538915
Chlorobenzene	ND		0.00343	1	06/15/2025 15:16	WG2538915
Chlorodibromomethane	ND		0.00343	1	06/15/2025 15:16	WG2538915

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND		0.00685	1	06/15/2025 15:16	WG2538915
Chloroform	ND		0.00343	1	06/15/2025 15:16	WG2538915
Chloromethane	ND		0.0171	1	06/15/2025 15:16	WG2538915
2-Chlorotoluene	ND		0.00343	1	06/15/2025 15:16	WG2538915
4-Chlorotoluene	ND		0.00685	1	06/15/2025 15:16	WG2538915
1,2-Dibromo-3-Chloropropane	ND		0.0343	1	06/15/2025 15:16	WG2538915
1,2-Dibromoethane	ND		0.00343	1	06/15/2025 15:16	WG2538915
Dibromomethane	ND		0.00685	1	06/15/2025 15:16	WG2538915
1,2-Dichlorobenzene	ND		0.00685	1	06/15/2025 15:16	WG2538915
1,3-Dichlorobenzene	ND		0.00685	1	06/15/2025 15:16	WG2538915
1,4-Dichlorobenzene	ND		0.00685	1	06/15/2025 15:16	WG2538915
Dichlorodifluoromethane	ND		0.00685	1	06/15/2025 15:16	WG2538915
1,1-Dichloroethane	ND		0.00343	1	06/15/2025 15:16	WG2538915
1,2-Dichloroethane	ND		0.00343	1	06/15/2025 15:16	WG2538915
1,1-Dichloroethene	ND		0.00343	1	06/15/2025 15:16	WG2538915
cis-1,2-Dichloroethene	ND		0.00343	1	06/15/2025 15:16	WG2538915
trans-1,2-Dichloroethene	ND		0.00685	1	06/15/2025 15:16	WG2538915
1,2-Dichloropropane	ND		0.00685	1	06/15/2025 15:16	WG2538915
1,1-Dichloropropene	ND		0.00343	1	06/15/2025 15:16	WG2538915
1,3-Dichloropropane	ND		0.00685	1	06/15/2025 15:16	WG2538915
cis-1,3-Dichloropropene	ND		0.00343	1	06/15/2025 15:16	WG2538915
trans-1,3-Dichloropropene	ND		0.00685	1	06/15/2025 15:16	WG2538915
2,2-Dichloropropane	ND		0.00343	1	06/15/2025 15:16	WG2538915
Di-isopropyl ether	ND		0.00137	1	06/15/2025 15:16	WG2538915
Ethylbenzene	ND		0.0137	1	06/15/2025 15:16	WG2538915
Hexachloro-1,3-butadiene	ND		0.0343	1	06/15/2025 15:16	WG2538915
Isopropylbenzene	ND		0.00343	1	06/15/2025 15:16	WG2538915
p-Isopropyltoluene	ND		0.00685	1	06/15/2025 15:16	WG2538915
2-Butanone (MEK)	ND		0.137	1	06/15/2025 15:16	WG2538915
Methylene Chloride	ND		0.0343	1	06/15/2025 15:16	WG2538915
4-Methyl-2-pentanone (MIBK)	ND		0.0343	1	06/15/2025 15:16	WG2538915
Methyl tert-butyl ether	ND		0.00137	1	06/15/2025 15:16	WG2538915
n-Propylbenzene	ND		0.00685	1	06/15/2025 15:16	WG2538915
Styrene	ND		0.0171	1	06/15/2025 15:16	WG2538915
1,1,1,2-Tetrachloroethane	ND		0.00343	1	06/15/2025 15:16	WG2538915
1,1,2,2-Tetrachloroethane	ND		0.00343	1	06/15/2025 15:16	WG2538915
1,1,2-Trichlorotrifluoroethane	ND		0.00343	1	06/15/2025 15:16	WG2538915
Tetrachloroethene	ND		0.00343	1	06/15/2025 15:16	WG2538915
Toluene	ND		0.0137	1	06/15/2025 15:16	WG2538915
1,2,3-Trichlorobenzene	ND		0.0171	1	06/15/2025 15:16	WG2538915
1,2,4-Trichlorobenzene	ND		0.0171	1	06/15/2025 15:16	WG2538915
1,1,1-Trichloroethane	ND		0.00343	1	06/15/2025 15:16	WG2538915
1,1,2-Trichloroethane	ND		0.00343	1	06/15/2025 15:16	WG2538915
Trichloroethene	ND		0.00137	1	06/15/2025 15:16	WG2538915
Trichlorofluoromethane	ND		0.00343	1	06/15/2025 15:16	WG2538915
1,2,3-Trichloropropane	ND		0.0171	1	06/15/2025 15:16	WG2538915
1,2,3-Trimethylbenzene	ND		0.00685	1	06/15/2025 15:16	WG2538915
1,2,4-Trimethylbenzene	ND		0.00685	1	06/15/2025 15:16	WG2538915
1,3,5-Trimethylbenzene	ND		0.00685	1	06/15/2025 15:16	WG2538915
Vinyl chloride	ND		0.00343	1	06/15/2025 15:16	WG2538915
Xylenes, Total	ND		0.137	1	06/15/2025 15:16	WG2538915
(S) Toluene-d8	94.3		75.0-131		06/15/2025 15:16	WG2538915
(S) 4-Bromofluorobenzene	104		67.0-138		06/15/2025 15:16	WG2538915
(S) 1,2-Dichloroethane-d4	96.0		70.0-130		06/15/2025 15:16	WG2538915



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	6.73		4.74	1	06/20/2025 09:01	WG2542147
C28-C36 Motor Oil Range	45.0		4.74	1	06/20/2025 09:01	WG2542147
(S) o-Terphenyl	66.0		18.0-148		06/20/2025 09:01	WG2542147

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		0.0395	1	06/20/2025 05:46	WG2541977
Benzidine	ND	J4	1.98	1	06/20/2025 05:46	WG2541977
Benzo(g,h,i)perylene	ND		0.0395	1	06/20/2025 05:46	WG2541977
Bis(2-chlorethoxy)methane	ND		0.395	1	06/20/2025 05:46	WG2541977
Bis(2-chloroethyl)ether	ND		0.395	1	06/20/2025 05:46	WG2541977
2,2-Oxybis(1-Chloropropane)	ND		0.395	1	06/20/2025 05:46	WG2541977
4-Bromophenyl-phenylether	ND		0.395	1	06/20/2025 05:46	WG2541977
2-Chloronaphthalene	ND		0.0395	1	06/20/2025 05:46	WG2541977
4-Chlorophenyl-phenylether	ND		0.395	1	06/20/2025 05:46	WG2541977
1,2-Dichlorobenzene	ND		0.395	1	06/20/2025 05:46	WG2541977
1,3-Dichlorobenzene	ND		0.395	1	06/20/2025 05:46	WG2541977
1,4-Dichlorobenzene	ND		0.395	1	06/20/2025 05:46	WG2541977
3,3-Dichlorobenzidine	ND		0.395	1	06/20/2025 05:46	WG2541977
2,4-Dinitrotoluene	ND		0.395	1	06/20/2025 05:46	WG2541977
2,6-Dinitrotoluene	ND		0.395	1	06/20/2025 05:46	WG2541977
Hexachlorobenzene	ND		0.395	1	06/20/2025 05:46	WG2541977
Hexachloro-1,3-butadiene	ND		0.395	1	06/20/2025 05:46	WG2541977
Hexachlorocyclopentadiene	ND	C7	0.395	1	06/20/2025 05:46	WG2541977
Hexachloroethane	ND		0.395	1	06/20/2025 05:46	WG2541977
Isophorone	ND		0.395	1	06/20/2025 05:46	WG2541977
Nitrobenzene	ND		0.395	1	06/20/2025 05:46	WG2541977
n-Nitrosodimethylamine	ND	C3	0.395	1	06/20/2025 05:46	WG2541977
n-Nitrosodiphenylamine	ND		0.395	1	06/20/2025 05:46	WG2541977
n-Nitrosodi-n-propylamine	ND		0.395	1	06/20/2025 05:46	WG2541977
Phenanthrene	ND		0.0395	1	06/20/2025 05:46	WG2541977
Benzylbutyl phthalate	ND		0.395	1	06/20/2025 05:46	WG2541977
Bis(2-ethylhexyl)phthalate	ND		0.395	1	06/20/2025 05:46	WG2541977
Di-n-butyl phthalate	ND		0.395	1	06/20/2025 05:46	WG2541977
Diethyl phthalate	ND		0.395	1	06/20/2025 05:46	WG2541977
Dimethyl phthalate	ND		0.395	1	06/20/2025 05:46	WG2541977
Di-n-octyl phthalate	ND		0.395	1	06/20/2025 05:46	WG2541977
1,2,4-Trichlorobenzene	ND		0.395	1	06/20/2025 05:46	WG2541977
4-Chloro-3-methylphenol	ND		0.395	1	06/20/2025 05:46	WG2541977
2-Chlorophenol	ND		0.395	1	06/20/2025 05:46	WG2541977
2,4-Dichlorophenol	ND		0.395	1	06/20/2025 05:46	WG2541977
2,4-Dimethylphenol	ND		0.395	1	06/20/2025 05:46	WG2541977
4,6-Dinitro-2-methylphenol	ND		0.395	1	06/20/2025 05:46	WG2541977
2,4-Dinitrophenol	ND		0.395	1	06/20/2025 05:46	WG2541977
2-Nitrophenol	ND		0.395	1	06/20/2025 05:46	WG2541977
4-Nitrophenol	ND		0.395	1	06/20/2025 05:46	WG2541977
Pentachlorophenol	ND		0.395	1	06/20/2025 05:46	WG2541977
Phenol	ND		0.395	1	06/20/2025 05:46	WG2541977
2,4,6-Trichlorophenol	ND		0.395	1	06/20/2025 05:46	WG2541977
(S) 2-Fluorophenol	53.2		12.0-120		06/20/2025 05:46	WG2541977
(S) Phenol-d5	50.6		10.0-120		06/20/2025 05:46	WG2541977
(S) Nitrobenzene-d5	42.6		10.0-122		06/20/2025 05:46	WG2541977
(S) 2-Fluorobiphenyl	50.5		15.0-120		06/20/2025 05:46	WG2541977
(S) 2,4,6-Tribromophenol	76.3		10.0-127		06/20/2025 05:46	WG2541977
(S) p-Terphenyl-d14	56.8		10.0-120		06/20/2025 05:46	WG2541977

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0391	1	06/21/2025 10:49	WG2542468
Acenaphthene	ND		0.0391	1	06/21/2025 10:49	WG2542468
Acenaphthylene	ND		0.0391	1	06/21/2025 10:49	WG2542468
Benzo(a)anthracene	ND		0.00711	1	06/21/2025 10:49	WG2542468
Benzo(a)pyrene	ND		0.0391	1	06/21/2025 10:49	WG2542468
Benzo(b)fluoranthene	ND		0.0391	1	06/21/2025 10:49	WG2542468
Benzo(g,h,i)perylene	ND		0.0391	1	06/21/2025 10:49	WG2542468
Benzo(k)fluoranthene	ND		0.0391	1	06/21/2025 10:49	WG2542468
Chrysene	ND		0.0391	1	06/21/2025 10:49	WG2542468
Dibenz(a,h)anthracene	ND		0.0391	1	06/21/2025 10:49	WG2542468
Fluoranthene	ND		0.0391	1	06/21/2025 10:49	WG2542468
Fluorene	ND		0.0391	1	06/21/2025 10:49	WG2542468
Indeno(1,2,3-cd)pyrene	ND		0.0391	1	06/21/2025 10:49	WG2542468
Naphthalene	ND		0.00356	1	06/21/2025 10:49	WG2542468
Phenanthrene	ND		0.0391	1	06/21/2025 10:49	WG2542468
Pyrene	ND		0.0391	1	06/21/2025 10:49	WG2542468
1-Methylnaphthalene	ND		0.00356	1	06/21/2025 10:49	WG2542468
2-Methylnaphthalene	ND		0.0142	1	06/21/2025 10:49	WG2542468
(S) p-Terphenyl-d14	108		23.0-120		06/21/2025 10:49	WG2542468
(S) Nitrobenzene-d5	115		14.0-149		06/21/2025 10:49	WG2542468
(S) 2-Fluorobiphenyl	110		34.0-125		06/21/2025 10:49	WG2542468

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.554		1	06/20/2025 15:04	WG2541746

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1290		22.1	1	06/20/2025 22:37	WG2539006

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.6		1	06/14/2025 19:49	WG2538880

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11.0	1	06/18/2025 12:52	WG2539507

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	1280		110	5	06/20/2025 22:37	WG2542881

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.221	1	06/26/2025 15:10	WG2539253

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.72		1	06/21/2025 08:01	WG2542964

Sample Narrative:

L1869905-04 WG2542964: 7.72 at 22.1C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	339	umhos/cm		10.0	1	06/21/2025 14:08	WG2542966

Sample Narrative:

L1869905-04 WG2542966: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		22.1	1	06/15/2025 16:25	WG2539006

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	9600		900	9	06/18/2025 17:41	WG2539188

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.486		0.200	1	06/20/2025 17:48	WG2541799

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	8510		22.1	1	06/17/2025 09:10	WG2539349
Antimony	ND		2.21	1	06/17/2025 09:10	WG2539349
Beryllium	0.507		0.221	1	06/17/2025 09:10	WG2539349
Calcium	18800		110	1	06/17/2025 09:10	WG2539349
Chromium	9.05		1.10	1	06/17/2025 09:10	WG2539349
Cobalt	4.53		1.10	1	06/17/2025 09:10	WG2539349
Iron	11200		11.0	1	06/17/2025 09:10	WG2539349
Magnesium	3130		110	1	06/17/2025 09:10	WG2539349
Manganese	218		1.10	1	06/17/2025 09:10	WG2539349
Potassium	2230		110	1	06/17/2025 09:10	WG2539349
Sodium	ND		110	1	06/17/2025 09:10	WG2539349
Thallium	ND		2.21	1	06/17/2025 09:10	WG2539349
Vanadium	20.3		2.21	1	06/17/2025 09:10	WG2539349

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	5.06		0.110	5	06/17/2025 17:08	WG2539358
Barium	106		11.0	5	06/17/2025 17:08	WG2539358
Cadmium	0.219		0.110	5	06/17/2025 17:08	WG2539358
Copper	ND		11.0	5	06/17/2025 17:08	WG2539358
Lead	ND		11.0	5	06/17/2025 17:08	WG2539358
Nickel	ND		11.0	5	06/17/2025 17:08	WG2539358
Selenium	0.439		0.110	5	06/17/2025 17:08	WG2539358
Silver	ND		0.552	5	06/17/2025 17:08	WG2539358
Zinc	ND		55.2	5	06/17/2025 17:08	WG2539358

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		3.02	25	06/15/2025 09:03	WG2538926
(S) a,a,a-Trifluorotoluene(FID)	101		77.0-120		06/15/2025 09:03	WG2538926

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0604	1	06/15/2025 15:35	WG2538915
Acrylonitrile	ND		0.0151	1	06/15/2025 15:35	WG2538915
Benzene	ND		0.00121	1	06/15/2025 15:35	WG2538915
Bromobenzene	ND		0.0151	1	06/15/2025 15:35	WG2538915
Bromodichloromethane	ND		0.00302	1	06/15/2025 15:35	WG2538915
Bromoform	ND		0.0302	1	06/15/2025 15:35	WG2538915
Bromomethane	ND		0.0151	1	06/15/2025 15:35	WG2538915
n-Butylbenzene	ND		0.0151	1	06/15/2025 15:35	WG2538915
sec-Butylbenzene	ND		0.0151	1	06/15/2025 15:35	WG2538915
tert-Butylbenzene	ND		0.00604	1	06/15/2025 15:35	WG2538915
Carbon tetrachloride	ND		0.00604	1	06/15/2025 15:35	WG2538915
Chlorobenzene	ND		0.00302	1	06/15/2025 15:35	WG2538915
Chlorodibromomethane	ND		0.00302	1	06/15/2025 15:35	WG2538915



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		0.00604	1	06/15/2025 15:35	WG2538915
Chloroform	ND		0.00302	1	06/15/2025 15:35	WG2538915
Chloromethane	ND		0.0151	1	06/15/2025 15:35	WG2538915
2-Chlorotoluene	ND		0.00302	1	06/15/2025 15:35	WG2538915
4-Chlorotoluene	ND		0.00604	1	06/15/2025 15:35	WG2538915
1,2-Dibromo-3-Chloropropane	ND		0.0302	1	06/15/2025 15:35	WG2538915
1,2-Dibromoethane	ND		0.00302	1	06/15/2025 15:35	WG2538915
Dibromomethane	ND		0.00604	1	06/15/2025 15:35	WG2538915
1,2-Dichlorobenzene	ND		0.00604	1	06/15/2025 15:35	WG2538915
1,3-Dichlorobenzene	ND		0.00604	1	06/15/2025 15:35	WG2538915
1,4-Dichlorobenzene	ND		0.00604	1	06/15/2025 15:35	WG2538915
Dichlorodifluoromethane	ND		0.00604	1	06/15/2025 15:35	WG2538915
1,1-Dichloroethane	ND		0.00302	1	06/15/2025 15:35	WG2538915
1,2-Dichloroethane	ND		0.00302	1	06/15/2025 15:35	WG2538915
1,1-Dichloroethene	ND		0.00302	1	06/15/2025 15:35	WG2538915
cis-1,2-Dichloroethene	ND		0.00302	1	06/15/2025 15:35	WG2538915
trans-1,2-Dichloroethene	ND		0.00604	1	06/15/2025 15:35	WG2538915
1,2-Dichloropropane	ND		0.00604	1	06/15/2025 15:35	WG2538915
1,1-Dichloropropene	ND		0.00302	1	06/15/2025 15:35	WG2538915
1,3-Dichloropropane	ND		0.00604	1	06/15/2025 15:35	WG2538915
cis-1,3-Dichloropropene	ND		0.00302	1	06/15/2025 15:35	WG2538915
trans-1,3-Dichloropropene	ND		0.00604	1	06/15/2025 15:35	WG2538915
2,2-Dichloropropane	ND		0.00302	1	06/15/2025 15:35	WG2538915
Di-isopropyl ether	ND		0.00121	1	06/15/2025 15:35	WG2538915
Ethylbenzene	ND		0.0121	1	06/15/2025 15:35	WG2538915
Hexachloro-1,3-butadiene	ND		0.0302	1	06/15/2025 15:35	WG2538915
Isopropylbenzene	ND		0.00302	1	06/15/2025 15:35	WG2538915
p-Isopropyltoluene	ND		0.00604	1	06/15/2025 15:35	WG2538915
2-Butanone (MEK)	ND		0.121	1	06/15/2025 15:35	WG2538915
Methylene Chloride	ND		0.0302	1	06/15/2025 15:35	WG2538915
4-Methyl-2-pentanone (MIBK)	ND		0.0302	1	06/15/2025 15:35	WG2538915
Methyl tert-butyl ether	ND		0.00121	1	06/15/2025 15:35	WG2538915
n-Propylbenzene	ND		0.00604	1	06/15/2025 15:35	WG2538915
Styrene	ND		0.0151	1	06/15/2025 15:35	WG2538915
1,1,1,2-Tetrachloroethane	ND		0.00302	1	06/15/2025 15:35	WG2538915
1,1,2,2-Tetrachloroethane	ND		0.00302	1	06/15/2025 15:35	WG2538915
1,1,2-Trichlorotrifluoroethane	ND		0.00302	1	06/15/2025 15:35	WG2538915
Tetrachloroethene	ND		0.00302	1	06/15/2025 15:35	WG2538915
Toluene	ND		0.0121	1	06/15/2025 15:35	WG2538915
1,2,3-Trichlorobenzene	ND		0.0151	1	06/15/2025 15:35	WG2538915
1,2,4-Trichlorobenzene	ND		0.0151	1	06/15/2025 15:35	WG2538915
1,1,1-Trichloroethane	ND		0.00302	1	06/15/2025 15:35	WG2538915
1,1,2-Trichloroethane	ND		0.00302	1	06/15/2025 15:35	WG2538915
Trichloroethene	ND		0.00121	1	06/15/2025 15:35	WG2538915
Trichlorofluoromethane	ND		0.00302	1	06/15/2025 15:35	WG2538915
1,2,3-Trichloropropane	ND		0.0151	1	06/15/2025 15:35	WG2538915
1,2,3-Trimethylbenzene	ND		0.00604	1	06/15/2025 15:35	WG2538915
1,2,4-Trimethylbenzene	ND		0.00604	1	06/15/2025 15:35	WG2538915
1,3,5-Trimethylbenzene	ND		0.00604	1	06/15/2025 15:35	WG2538915
Vinyl chloride	ND		0.00302	1	06/15/2025 15:35	WG2538915
Xylenes, Total	ND		0.121	1	06/15/2025 15:35	WG2538915
(S) Toluene-d8	94.3		75.0-131		06/15/2025 15:35	WG2538915
(S) 4-Bromofluorobenzene	104		67.0-138		06/15/2025 15:35	WG2538915
(S) 1,2-Dichloroethane-d4	98.6		70.0-130		06/15/2025 15:35	WG2538915

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	7.78		4.41	1	06/20/2025 09:16	WG2542147
C28-C36 Motor Oil Range	91.0		4.41	1	06/20/2025 09:16	WG2542147
(S) o-Terphenyl	73.4		18.0-148		06/20/2025 09:16	WG2542147

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		0.0367	1	06/20/2025 06:09	WG2541977
Benzidine	ND	J4	1.84	1	06/20/2025 06:09	WG2541977
Benzo(g,h,i)perylene	ND		0.0367	1	06/20/2025 06:09	WG2541977
Bis(2-chlorethoxy)methane	ND		0.367	1	06/20/2025 06:09	WG2541977
Bis(2-chloroethyl)ether	ND		0.367	1	06/20/2025 06:09	WG2541977
2,2-Oxybis(1-Chloropropane)	ND		0.367	1	06/20/2025 06:09	WG2541977
4-Bromophenyl-phenylether	ND		0.367	1	06/20/2025 06:09	WG2541977
2-Chloronaphthalene	ND		0.0367	1	06/20/2025 06:09	WG2541977
4-Chlorophenyl-phenylether	ND		0.367	1	06/20/2025 06:09	WG2541977
1,2-Dichlorobenzene	ND		0.367	1	06/20/2025 06:09	WG2541977
1,3-Dichlorobenzene	ND		0.367	1	06/20/2025 06:09	WG2541977
1,4-Dichlorobenzene	ND		0.367	1	06/20/2025 06:09	WG2541977
3,3-Dichlorobenzidine	ND		0.367	1	06/20/2025 06:09	WG2541977
2,4-Dinitrotoluene	ND		0.367	1	06/20/2025 06:09	WG2541977
2,6-Dinitrotoluene	ND		0.367	1	06/20/2025 06:09	WG2541977
Hexachlorobenzene	ND		0.367	1	06/20/2025 06:09	WG2541977
Hexachloro-1,3-butadiene	ND		0.367	1	06/20/2025 06:09	WG2541977
Hexachlorocyclopentadiene	ND	C7	0.367	1	06/20/2025 06:09	WG2541977
Hexachloroethane	ND		0.367	1	06/20/2025 06:09	WG2541977
Isophorone	ND		0.367	1	06/20/2025 06:09	WG2541977
Nitrobenzene	ND		0.367	1	06/20/2025 06:09	WG2541977
n-Nitrosodimethylamine	ND	C3	0.367	1	06/20/2025 06:09	WG2541977
n-Nitrosodiphenylamine	ND		0.367	1	06/20/2025 06:09	WG2541977
n-Nitrosodi-n-propylamine	ND		0.367	1	06/20/2025 06:09	WG2541977
Phenanthrene	ND		0.0367	1	06/20/2025 06:09	WG2541977
Benzylbutyl phthalate	ND		0.367	1	06/20/2025 06:09	WG2541977
Bis(2-ethylhexyl)phthalate	ND		0.367	1	06/20/2025 06:09	WG2541977
Di-n-butyl phthalate	ND		0.367	1	06/20/2025 06:09	WG2541977
Diethyl phthalate	ND		0.367	1	06/20/2025 06:09	WG2541977
Dimethyl phthalate	ND		0.367	1	06/20/2025 06:09	WG2541977
Di-n-octyl phthalate	ND		0.367	1	06/20/2025 06:09	WG2541977
1,2,4-Trichlorobenzene	ND		0.367	1	06/20/2025 06:09	WG2541977
4-Chloro-3-methylphenol	ND		0.367	1	06/20/2025 06:09	WG2541977
2-Chlorophenol	ND		0.367	1	06/20/2025 06:09	WG2541977
2,4-Dichlorophenol	ND		0.367	1	06/20/2025 06:09	WG2541977
2,4-Dimethylphenol	ND		0.367	1	06/20/2025 06:09	WG2541977
4,6-Dinitro-2-methylphenol	ND		0.367	1	06/20/2025 06:09	WG2541977
2,4-Dinitrophenol	ND		0.367	1	06/20/2025 06:09	WG2541977
2-Nitrophenol	ND		0.367	1	06/20/2025 06:09	WG2541977
4-Nitrophenol	ND		0.367	1	06/20/2025 06:09	WG2541977
Pentachlorophenol	ND		0.367	1	06/20/2025 06:09	WG2541977
Phenol	ND		0.367	1	06/20/2025 06:09	WG2541977
2,4,6-Trichlorophenol	ND		0.367	1	06/20/2025 06:09	WG2541977
(S) 2-Fluorophenol	51.2		12.0-120		06/20/2025 06:09	WG2541977
(S) Phenol-d5	47.9		10.0-120		06/20/2025 06:09	WG2541977
(S) Nitrobenzene-d5	41.6		10.0-122		06/20/2025 06:09	WG2541977
(S) 2-Fluorobiphenyl	50.0		15.0-120		06/20/2025 06:09	WG2541977
(S) 2,4,6-Tribromophenol	73.5		10.0-127		06/20/2025 06:09	WG2541977
(S) p-Terphenyl-d14	57.8		10.0-120		06/20/2025 06:09	WG2541977

1

Cp

2

Tc

3

Ss

4

Cn

5

Ds

6

Sr

7

Qc

8

Gl

9

Al

10

Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0364	1	06/21/2025 11:08	WG2542468
Acenaphthene	ND		0.0364	1	06/21/2025 11:08	WG2542468
Acenaphthylene	ND		0.0364	1	06/21/2025 11:08	WG2542468
Benzo(a)anthracene	ND		0.00662	1	06/21/2025 11:08	WG2542468
Benzo(a)pyrene	ND		0.0364	1	06/21/2025 11:08	WG2542468
Benzo(b)fluoranthene	ND		0.0364	1	06/21/2025 11:08	WG2542468
Benzo(g,h,i)perylene	ND		0.0364	1	06/21/2025 11:08	WG2542468
Benzo(k)fluoranthene	ND		0.0364	1	06/21/2025 11:08	WG2542468
Chrysene	ND		0.0364	1	06/21/2025 11:08	WG2542468
Dibenz(a,h)anthracene	ND		0.0364	1	06/21/2025 11:08	WG2542468
Fluoranthene	ND		0.0364	1	06/21/2025 11:08	WG2542468
Fluorene	ND		0.0364	1	06/21/2025 11:08	WG2542468
Indeno(1,2,3-cd)pyrene	ND		0.0364	1	06/21/2025 11:08	WG2542468
Naphthalene	ND		0.00331	1	06/21/2025 11:08	WG2542468
Phenanthrene	ND		0.0364	1	06/21/2025 11:08	WG2542468
Pyrene	ND		0.0364	1	06/21/2025 11:08	WG2542468
1-Methylnaphthalene	ND		0.00331	1	06/21/2025 11:08	WG2542468
2-Methylnaphthalene	ND		0.0132	1	06/21/2025 11:08	WG2542468
(S) p-Terphenyl-d14	102		23.0-120		06/21/2025 11:08	WG2542468
(S) Nitrobenzene-d5	109		14.0-149		06/21/2025 11:08	WG2542468
(S) 2-Fluorobiphenyl	102		34.0-125		06/21/2025 11:08	WG2542468

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	06/15/2025 14:21	WG2539124
Acrolein	ND		0.0500	1	06/15/2025 14:21	WG2539124
Acrylonitrile	ND		0.0100	1	06/15/2025 14:21	WG2539124
Benzene	ND		0.00100	1	06/15/2025 14:21	WG2539124
Bromobenzene	ND		0.00100	1	06/15/2025 14:21	WG2539124
Bromodichloromethane	ND		0.00100	1	06/15/2025 14:21	WG2539124
Bromoform	ND		0.00100	1	06/15/2025 14:21	WG2539124
Bromomethane	ND		0.00500	1	06/15/2025 14:21	WG2539124
n-Butylbenzene	ND		0.00100	1	06/15/2025 14:21	WG2539124
sec-Butylbenzene	ND		0.00100	1	06/15/2025 14:21	WG2539124
tert-Butylbenzene	ND		0.00100	1	06/15/2025 14:21	WG2539124
Carbon tetrachloride	ND		0.00100	1	06/15/2025 14:21	WG2539124
Chlorobenzene	ND		0.00100	1	06/15/2025 14:21	WG2539124
Chlorodibromomethane	ND		0.00100	1	06/15/2025 14:21	WG2539124
Chloroethane	ND		0.00500	1	06/15/2025 14:21	WG2539124
Chloroform	ND		0.00500	1	06/15/2025 14:21	WG2539124
Chloromethane	ND		0.00250	1	06/15/2025 14:21	WG2539124
2-Chlorotoluene	ND		0.00100	1	06/15/2025 14:21	WG2539124
4-Chlorotoluene	ND		0.00100	1	06/15/2025 14:21	WG2539124
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	06/15/2025 14:21	WG2539124
1,2-Dibromoethane	ND		0.00100	1	06/15/2025 14:21	WG2539124
Dibromomethane	ND		0.00100	1	06/15/2025 14:21	WG2539124
1,2-Dichlorobenzene	ND		0.00100	1	06/15/2025 14:21	WG2539124
1,3-Dichlorobenzene	ND		0.00100	1	06/15/2025 14:21	WG2539124
1,4-Dichlorobenzene	ND		0.00100	1	06/15/2025 14:21	WG2539124
Dichlorodifluoromethane	ND		0.00500	1	06/15/2025 14:21	WG2539124
1,1-Dichloroethane	ND		0.00100	1	06/15/2025 14:21	WG2539124
1,2-Dichloroethane	ND		0.00100	1	06/15/2025 14:21	WG2539124
1,1-Dichloroethene	ND		0.00100	1	06/15/2025 14:21	WG2539124
cis-1,2-Dichloroethene	ND		0.00100	1	06/15/2025 14:21	WG2539124
trans-1,2-Dichloroethene	ND		0.00100	1	06/15/2025 14:21	WG2539124
1,2-Dichloropropane	ND		0.00100	1	06/15/2025 14:21	WG2539124
1,1-Dichloropropene	ND		0.00100	1	06/15/2025 14:21	WG2539124
1,3-Dichloropropane	ND		0.00100	1	06/15/2025 14:21	WG2539124
cis-1,3-Dichloropropene	ND		0.00100	1	06/15/2025 14:21	WG2539124
trans-1,3-Dichloropropene	ND		0.00100	1	06/15/2025 14:21	WG2539124
2,2-Dichloropropane	ND		0.00100	1	06/15/2025 14:21	WG2539124
Di-isopropyl ether	ND		0.00100	1	06/15/2025 14:21	WG2539124
Ethylbenzene	ND		0.00100	1	06/15/2025 14:21	WG2539124
Hexachloro-1,3-butadiene	ND		0.00100	1	06/15/2025 14:21	WG2539124
Isopropylbenzene	ND		0.00100	1	06/15/2025 14:21	WG2539124
p-Isopropyltoluene	ND		0.00100	1	06/15/2025 14:21	WG2539124
2-Butanone (MEK)	ND		0.0100	1	06/15/2025 14:21	WG2539124
Methylene Chloride	ND		0.00500	1	06/15/2025 14:21	WG2539124
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	06/15/2025 14:21	WG2539124
Methyl tert-butyl ether	ND		0.00100	1	06/15/2025 14:21	WG2539124
Naphthalene	ND		0.00500	1	06/15/2025 14:21	WG2539124
n-Propylbenzene	ND		0.00100	1	06/15/2025 14:21	WG2539124
Styrene	ND		0.00100	1	06/15/2025 14:21	WG2539124
1,1,1,2-Tetrachloroethane	ND		0.00100	1	06/15/2025 14:21	WG2539124
1,1,2,2-Tetrachloroethane	ND		0.00100	1	06/15/2025 14:21	WG2539124
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	06/15/2025 14:21	WG2539124
Tetrachloroethene	ND		0.00100	1	06/15/2025 14:21	WG2539124
Toluene	ND		0.00100	1	06/15/2025 14:21	WG2539124
1,2,3-Trichlorobenzene	ND		0.00100	1	06/15/2025 14:21	WG2539124
1,2,4-Trichlorobenzene	ND	C3	0.00100	1	06/15/2025 14:21	WG2539124

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00100	1	06/15/2025 14:21	WG2539124
1,1,2-Trichloroethane	ND		0.00100	1	06/15/2025 14:21	WG2539124
Trichloroethene	ND		0.00100	1	06/15/2025 14:21	WG2539124
Trichlorofluoromethane	ND		0.00500	1	06/15/2025 14:21	WG2539124
1,2,3-Trichloropropane	ND		0.00250	1	06/15/2025 14:21	WG2539124
1,2,4-Trimethylbenzene	ND		0.00100	1	06/15/2025 14:21	WG2539124
1,2,3-Trimethylbenzene	ND		0.00100	1	06/15/2025 14:21	WG2539124
1,3,5-Trimethylbenzene	ND		0.00100	1	06/15/2025 14:21	WG2539124
Vinyl chloride	ND		0.00100	1	06/15/2025 14:21	WG2539124
Xylenes, Total	ND		0.00300	1	06/15/2025 14:21	WG2539124
(S) Toluene-d8	99.4		80.0-120		06/15/2025 14:21	WG2539124
(S) 4-Bromofluorobenzene	97.4		77.0-126		06/15/2025 14:21	WG2539124
(S) 1,2-Dichloroethane-d4	103		70.0-130		06/15/2025 14:21	WG2539124

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	5.60		1	06/20/2025 15:07	WG2541746

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	4260		130	1	06/20/2025 22:39	WG2539012

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	76.8		1	06/14/2025 19:49	WG2538880

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	820		13.0	1	06/18/2025 12:54	WG2539507

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	3920		130	5	06/20/2025 22:39	WG2542881

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.261	1	06/26/2025 15:19	WG2539253

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.37		1	06/21/2025 08:01	WG2542964

Sample Narrative:

L1869905-06 WG2542964: 7.37 at 21.9C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	3650	umhos/cm		10.0	1	06/21/2025 14:08	WG2542966

Sample Narrative:

L1869905-06 WG2542966: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	335		130	5	06/16/2025 21:08	WG2539012

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	21600		1000	10	06/18/2025 17:42	WG2539188

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.862		0.200	1	06/20/2025 17:49	WG2541799

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	6560		26.1	1	06/17/2025 09:12	WG2539349
Antimony	ND		2.61	1	06/17/2025 09:12	WG2539349
Beryllium	0.380		0.261	1	06/17/2025 09:12	WG2539349
Calcium	17200		130	1	06/17/2025 09:12	WG2539349
Chromium	7.10		1.30	1	06/17/2025 09:12	WG2539349
Cobalt	3.63		1.30	1	06/17/2025 09:12	WG2539349
Iron	9220		13.0	1	06/17/2025 09:12	WG2539349
Magnesium	2530		130	1	06/17/2025 09:12	WG2539349
Manganese	191		1.30	1	06/17/2025 09:12	WG2539349
Potassium	2610		130	1	06/17/2025 09:12	WG2539349
Sodium	517		130	1	06/17/2025 09:12	WG2539349
Thallium	ND		2.61	1	06/17/2025 09:12	WG2539349
Vanadium	16.2		2.61	1	06/17/2025 09:12	WG2539349

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.90		0.130	5	06/17/2025 17:11	WG2539358
Barium	83.8		13.0	5	06/17/2025 17:11	WG2539358
Cadmium	0.545		0.130	5	06/17/2025 17:11	WG2539358
Copper	ND		13.0	5	06/17/2025 17:11	WG2539358
Lead	ND		13.0	5	06/17/2025 17:11	WG2539358
Nickel	ND		13.0	5	06/17/2025 17:11	WG2539358
Selenium	0.485		0.130	5	06/17/2025 17:11	WG2539358
Silver	ND		0.651	5	06/17/2025 17:11	WG2539358
Zinc	ND		65.1	5	06/17/2025 17:11	WG2539358

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		4.02	25	06/15/2025 09:25	WG2538926
(S) a,a,a-Trifluorotoluene(FID)	101		77.0-120		06/15/2025 09:25	WG2538926

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0803	1	06/15/2025 15:54	WG2538915
Acrylonitrile	ND		0.0201	1	06/15/2025 15:54	WG2538915
Benzene	ND		0.00161	1	06/15/2025 15:54	WG2538915
Bromobenzene	ND		0.0201	1	06/15/2025 15:54	WG2538915
Bromodichloromethane	ND		0.00402	1	06/15/2025 15:54	WG2538915
Bromoform	ND		0.0402	1	06/15/2025 15:54	WG2538915
Bromomethane	ND		0.0201	1	06/15/2025 15:54	WG2538915
n-Butylbenzene	ND		0.0201	1	06/15/2025 15:54	WG2538915
sec-Butylbenzene	ND		0.0201	1	06/15/2025 15:54	WG2538915
tert-Butylbenzene	ND		0.00803	1	06/15/2025 15:54	WG2538915
Carbon tetrachloride	ND		0.00803	1	06/15/2025 15:54	WG2538915
Chlorobenzene	ND		0.00402	1	06/15/2025 15:54	WG2538915
Chlorodibromomethane	ND		0.00402	1	06/15/2025 15:54	WG2538915

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND		0.00803	1	06/15/2025 15:54	WG2538915
Chloroform	ND		0.00402	1	06/15/2025 15:54	WG2538915
Chloromethane	ND		0.0201	1	06/15/2025 15:54	WG2538915
2-Chlorotoluene	ND		0.00402	1	06/15/2025 15:54	WG2538915
4-Chlorotoluene	ND		0.00803	1	06/15/2025 15:54	WG2538915
1,2-Dibromo-3-Chloropropane	ND		0.0402	1	06/15/2025 15:54	WG2538915
1,2-Dibromoethane	ND		0.00402	1	06/15/2025 15:54	WG2538915
Dibromomethane	ND		0.00803	1	06/15/2025 15:54	WG2538915
1,2-Dichlorobenzene	ND		0.00803	1	06/15/2025 15:54	WG2538915
1,3-Dichlorobenzene	ND		0.00803	1	06/15/2025 15:54	WG2538915
1,4-Dichlorobenzene	ND		0.00803	1	06/15/2025 15:54	WG2538915
Dichlorodifluoromethane	ND		0.00803	1	06/15/2025 15:54	WG2538915
1,1-Dichloroethane	ND		0.00402	1	06/15/2025 15:54	WG2538915
1,2-Dichloroethane	ND		0.00402	1	06/15/2025 15:54	WG2538915
1,1-Dichloroethene	ND		0.00402	1	06/15/2025 15:54	WG2538915
cis-1,2-Dichloroethene	ND		0.00402	1	06/15/2025 15:54	WG2538915
trans-1,2-Dichloroethene	ND		0.00803	1	06/15/2025 15:54	WG2538915
1,2-Dichloropropane	ND		0.00803	1	06/15/2025 15:54	WG2538915
1,1-Dichloropropene	ND		0.00402	1	06/15/2025 15:54	WG2538915
1,3-Dichloropropane	ND		0.00803	1	06/15/2025 15:54	WG2538915
cis-1,3-Dichloropropene	ND		0.00402	1	06/15/2025 15:54	WG2538915
trans-1,3-Dichloropropene	ND		0.00803	1	06/15/2025 15:54	WG2538915
2,2-Dichloropropane	ND		0.00402	1	06/15/2025 15:54	WG2538915
Di-isopropyl ether	ND		0.00161	1	06/15/2025 15:54	WG2538915
Ethylbenzene	ND		0.0161	1	06/15/2025 15:54	WG2538915
Hexachloro-1,3-butadiene	ND		0.0402	1	06/15/2025 15:54	WG2538915
Isopropylbenzene	ND		0.00402	1	06/15/2025 15:54	WG2538915
p-Isopropyltoluene	ND		0.00803	1	06/15/2025 15:54	WG2538915
2-Butanone (MEK)	ND		0.161	1	06/15/2025 15:54	WG2538915
Methylene Chloride	ND		0.0402	1	06/15/2025 15:54	WG2538915
4-Methyl-2-pentanone (MIBK)	ND		0.0402	1	06/15/2025 15:54	WG2538915
Methyl tert-butyl ether	ND		0.00161	1	06/15/2025 15:54	WG2538915
n-Propylbenzene	ND		0.00803	1	06/15/2025 15:54	WG2538915
Styrene	ND		0.0201	1	06/15/2025 15:54	WG2538915
1,1,1,2-Tetrachloroethane	ND		0.00402	1	06/15/2025 15:54	WG2538915
1,1,2,2-Tetrachloroethane	ND		0.00402	1	06/15/2025 15:54	WG2538915
1,1,2-Trichlorotrifluoroethane	ND		0.00402	1	06/15/2025 15:54	WG2538915
Tetrachloroethene	ND		0.00402	1	06/15/2025 15:54	WG2538915
Toluene	ND		0.0161	1	06/15/2025 15:54	WG2538915
1,2,3-Trichlorobenzene	ND		0.0201	1	06/15/2025 15:54	WG2538915
1,2,4-Trichlorobenzene	ND		0.0201	1	06/15/2025 15:54	WG2538915
1,1,1-Trichloroethane	ND		0.00402	1	06/15/2025 15:54	WG2538915
1,1,2-Trichloroethane	ND		0.00402	1	06/15/2025 15:54	WG2538915
Trichloroethene	ND		0.00161	1	06/15/2025 15:54	WG2538915
Trichlorofluoromethane	ND		0.00402	1	06/15/2025 15:54	WG2538915
1,2,3-Trichloropropane	ND		0.0201	1	06/15/2025 15:54	WG2538915
1,2,3-Trimethylbenzene	ND		0.00803	1	06/15/2025 15:54	WG2538915
1,2,4-Trimethylbenzene	ND		0.00803	1	06/15/2025 15:54	WG2538915
1,3,5-Trimethylbenzene	ND		0.00803	1	06/15/2025 15:54	WG2538915
Vinyl chloride	ND		0.00402	1	06/15/2025 15:54	WG2538915
Xylenes, Total	ND		0.161	1	06/15/2025 15:54	WG2538915
(S) Toluene-d8	96.9		75.0-131		06/15/2025 15:54	WG2538915
(S) 4-Bromofluorobenzene	105		67.0-138		06/15/2025 15:54	WG2538915
(S) 1,2-Dichloroethane-d4	94.2		70.0-130		06/15/2025 15:54	WG2538915



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	26.8		26.1	5	06/20/2025 17:17	WG2542147
C28-C36 Motor Oil Range	173		26.1	5	06/20/2025 17:17	WG2542147
(S) o-Terphenyl	65.6		18.0-148		06/20/2025 17:17	WG2542147

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		0.0434	1	06/20/2025 06:32	WG2541977
Benzidine	ND	J4	2.18	1	06/20/2025 06:32	WG2541977
Benzo(g,h,i)perylene	ND		0.0434	1	06/20/2025 06:32	WG2541977
Bis(2-chlorethoxy)methane	ND		0.434	1	06/20/2025 06:32	WG2541977
Bis(2-chloroethyl)ether	ND		0.434	1	06/20/2025 06:32	WG2541977
2,2-Oxybis(1-Chloropropane)	ND		0.434	1	06/20/2025 06:32	WG2541977
4-Bromophenyl-phenylether	ND		0.434	1	06/20/2025 06:32	WG2541977
2-Chloronaphthalene	ND		0.0434	1	06/20/2025 06:32	WG2541977
4-Chlorophenyl-phenylether	ND		0.434	1	06/20/2025 06:32	WG2541977
1,2-Dichlorobenzene	ND		0.434	1	06/20/2025 06:32	WG2541977
1,3-Dichlorobenzene	ND		0.434	1	06/20/2025 06:32	WG2541977
1,4-Dichlorobenzene	ND		0.434	1	06/20/2025 06:32	WG2541977
3,3-Dichlorobenzidine	ND		0.434	1	06/20/2025 06:32	WG2541977
2,4-Dinitrotoluene	ND		0.434	1	06/20/2025 06:32	WG2541977
2,6-Dinitrotoluene	ND		0.434	1	06/20/2025 06:32	WG2541977
Hexachlorobenzene	ND		0.434	1	06/20/2025 06:32	WG2541977
Hexachloro-1,3-butadiene	ND		0.434	1	06/20/2025 06:32	WG2541977
Hexachlorocyclopentadiene	ND	C7	0.434	1	06/20/2025 06:32	WG2541977
Hexachloroethane	ND		0.434	1	06/20/2025 06:32	WG2541977
Isophorone	ND		0.434	1	06/20/2025 06:32	WG2541977
Nitrobenzene	ND		0.434	1	06/20/2025 06:32	WG2541977
n-Nitrosodimethylamine	ND	C3	0.434	1	06/20/2025 06:32	WG2541977
n-Nitrosodiphenylamine	ND		0.434	1	06/20/2025 06:32	WG2541977
n-Nitrosodi-n-propylamine	ND		0.434	1	06/20/2025 06:32	WG2541977
Phenanthrene	ND		0.0434	1	06/20/2025 06:32	WG2541977
Benzylbutyl phthalate	ND		0.434	1	06/20/2025 06:32	WG2541977
Bis(2-ethylhexyl)phthalate	ND		0.434	1	06/20/2025 06:32	WG2541977
Di-n-butyl phthalate	ND		0.434	1	06/20/2025 06:32	WG2541977
Diethyl phthalate	ND		0.434	1	06/20/2025 06:32	WG2541977
Dimethyl phthalate	ND		0.434	1	06/20/2025 06:32	WG2541977
Di-n-octyl phthalate	ND		0.434	1	06/20/2025 06:32	WG2541977
1,2,4-Trichlorobenzene	ND		0.434	1	06/20/2025 06:32	WG2541977
4-Chloro-3-methylphenol	ND		0.434	1	06/20/2025 06:32	WG2541977
2-Chlorophenol	ND		0.434	1	06/20/2025 06:32	WG2541977
2,4-Dichlorophenol	ND		0.434	1	06/20/2025 06:32	WG2541977
2,4-Dimethylphenol	ND		0.434	1	06/20/2025 06:32	WG2541977
4,6-Dinitro-2-methylphenol	ND		0.434	1	06/20/2025 06:32	WG2541977
2,4-Dinitrophenol	ND		0.434	1	06/20/2025 06:32	WG2541977
2-Nitrophenol	ND		0.434	1	06/20/2025 06:32	WG2541977
4-Nitrophenol	ND		0.434	1	06/20/2025 06:32	WG2541977
Pentachlorophenol	ND		0.434	1	06/20/2025 06:32	WG2541977
Phenol	ND		0.434	1	06/20/2025 06:32	WG2541977
2,4,6-Trichlorophenol	ND		0.434	1	06/20/2025 06:32	WG2541977
(S) 2-Fluorophenol	48.2		12.0-120		06/20/2025 06:32	WG2541977
(S) Phenol-d5	45.0		10.0-120		06/20/2025 06:32	WG2541977
(S) Nitrobenzene-d5	39.9		10.0-122		06/20/2025 06:32	WG2541977
(S) 2-Fluorobiphenyl	45.1		15.0-120		06/20/2025 06:32	WG2541977
(S) 2,4,6-Tribromophenol	66.0		10.0-127		06/20/2025 06:32	WG2541977
(S) p-Terphenyl-d14	48.5		10.0-120		06/20/2025 06:32	WG2541977

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0430	1	06/21/2025 15:30	WG2542468
Acenaphthene	ND		0.0430	1	06/21/2025 15:30	WG2542468
Acenaphthylene	ND		0.0430	1	06/21/2025 15:30	WG2542468
Benzo(a)anthracene	ND		0.00782	1	06/21/2025 15:30	WG2542468
Benzo(a)pyrene	ND		0.0430	1	06/21/2025 15:30	WG2542468
Benzo(b)fluoranthene	ND		0.0430	1	06/21/2025 15:30	WG2542468
Benzo(g,h,i)perylene	ND		0.0430	1	06/21/2025 15:30	WG2542468
Benzo(k)fluoranthene	ND		0.0430	1	06/21/2025 15:30	WG2542468
Chrysene	ND		0.0430	1	06/21/2025 15:30	WG2542468
Dibenz(a,h)anthracene	ND		0.0430	1	06/21/2025 15:30	WG2542468
Fluoranthene	ND		0.0430	1	06/21/2025 15:30	WG2542468
Fluorene	ND		0.0430	1	06/21/2025 15:30	WG2542468
Indeno(1,2,3-cd)pyrene	ND		0.0430	1	06/21/2025 15:30	WG2542468
Naphthalene	0.0107		0.00391	1	06/21/2025 15:30	WG2542468
Phenanthrene	ND		0.0430	1	06/21/2025 15:30	WG2542468
Pyrene	ND		0.0430	1	06/21/2025 15:30	WG2542468
1-Methylnaphthalene	0.00432		0.00391	1	06/21/2025 15:30	WG2542468
2-Methylnaphthalene	ND		0.0156	1	06/21/2025 15:30	WG2542468
(S) p-Terphenyl-d14	81.1		23.0-120		06/21/2025 15:30	WG2542468
(S) Nitrobenzene-d5	122		14.0-149		06/21/2025 15:30	WG2542468
(S) 2-Fluorobiphenyl	87.6		34.0-125		06/21/2025 15:30	WG2542468

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.321		1	06/20/2025 15:09	WG2541746

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	856		21.9	1	06/20/2025 22:41	WG2539012

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.4		1	06/14/2025 19:49	WG2538880

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	06/18/2025 12:58	WG2539507

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	846		109	5	06/20/2025 22:41	WG2542881

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.219	1	06/26/2025 15:46	WG2539253

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.61		1	06/21/2025 08:01	WG2542964

Sample Narrative:

L1869905-07 WG2542964: 7.61 at 22.1C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	386	umhos/cm		10.0	1	06/21/2025 14:08	WG2542966

Sample Narrative:

L1869905-07 WG2542966: 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		21.9	1	06/15/2025 12:23	WG2539012

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	11300		900	9	06/18/2025 17:42	WG2539188

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.653		0.200	1	06/20/2025 17:51	WG2541799

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	5990		21.9	1	06/17/2025 09:13	WG2539349
Antimony	ND		2.19	1	06/17/2025 09:13	WG2539349
Beryllium	0.372		0.219	1	06/17/2025 09:13	WG2539349
Calcium	9590		109	1	06/17/2025 09:13	WG2539349
Chromium	7.28		1.09	1	06/17/2025 09:13	WG2539349
Cobalt	3.34		1.09	1	06/17/2025 09:13	WG2539349
Iron	8540		10.9	1	06/17/2025 09:13	WG2539349
Magnesium	2140		109	1	06/17/2025 09:13	WG2539349
Manganese	155		1.09	1	06/17/2025 09:13	WG2539349
Potassium	2010		109	1	06/17/2025 09:13	WG2539349
Sodium	ND		109	1	06/17/2025 09:13	WG2539349
Thallium	ND		2.19	1	06/17/2025 09:13	WG2539349
Vanadium	14.6		2.19	1	06/17/2025 09:13	WG2539349

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.24		0.109	5	06/17/2025 17:15	WG2539358
Barium	87.4		10.9	5	06/17/2025 17:15	WG2539358
Cadmium	0.342		0.109	5	06/17/2025 17:15	WG2539358
Copper	11.4		10.9	5	06/17/2025 17:15	WG2539358
Lead	ND		10.9	5	06/17/2025 17:15	WG2539358
Nickel	ND		10.9	5	06/17/2025 17:15	WG2539358
Selenium	0.461		0.109	5	06/17/2025 17:15	WG2539358
Silver	ND		0.547	5	06/17/2025 17:15	WG2539358
Zinc	ND		54.7	5	06/17/2025 17:15	WG2539358

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	3.05		2.97	25	06/15/2025 06:04	WG2538927
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	98.9		77.0-120		06/15/2025 06:04	WG2538927

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0594	1	06/15/2025 16:12	WG2538915
Acrylonitrile	ND		0.0149	1	06/15/2025 16:12	WG2538915
Benzene	ND		0.00119	1	06/15/2025 16:12	WG2538915
Bromobenzene	ND		0.0149	1	06/15/2025 16:12	WG2538915
Bromodichloromethane	ND		0.00297	1	06/15/2025 16:12	WG2538915
Bromoform	ND		0.0297	1	06/15/2025 16:12	WG2538915
Bromomethane	ND		0.0149	1	06/15/2025 16:12	WG2538915
n-Butylbenzene	ND		0.0149	1	06/15/2025 16:12	WG2538915
sec-Butylbenzene	ND		0.0149	1	06/15/2025 16:12	WG2538915
tert-Butylbenzene	ND		0.00594	1	06/15/2025 16:12	WG2538915
Carbon tetrachloride	ND		0.00594	1	06/15/2025 16:12	WG2538915
Chlorobenzene	ND		0.00297	1	06/15/2025 16:12	WG2538915
Chlorodibromomethane	ND		0.00297	1	06/15/2025 16:12	WG2538915



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		0.00594	1	06/15/2025 16:12	WG2538915
Chloroform	ND		0.00297	1	06/15/2025 16:12	WG2538915
Chloromethane	ND		0.0149	1	06/15/2025 16:12	WG2538915
2-Chlorotoluene	ND		0.00297	1	06/15/2025 16:12	WG2538915
4-Chlorotoluene	ND		0.00594	1	06/15/2025 16:12	WG2538915
1,2-Dibromo-3-Chloropropane	ND		0.0297	1	06/15/2025 16:12	WG2538915
1,2-Dibromoethane	ND		0.00297	1	06/15/2025 16:12	WG2538915
Dibromomethane	ND		0.00594	1	06/15/2025 16:12	WG2538915
1,2-Dichlorobenzene	ND		0.00594	1	06/15/2025 16:12	WG2538915
1,3-Dichlorobenzene	ND		0.00594	1	06/15/2025 16:12	WG2538915
1,4-Dichlorobenzene	ND		0.00594	1	06/15/2025 16:12	WG2538915
Dichlorodifluoromethane	ND		0.00594	1	06/15/2025 16:12	WG2538915
1,1-Dichloroethane	ND		0.00297	1	06/15/2025 16:12	WG2538915
1,2-Dichloroethane	ND		0.00297	1	06/15/2025 16:12	WG2538915
1,1-Dichloroethene	ND		0.00297	1	06/15/2025 16:12	WG2538915
cis-1,2-Dichloroethene	ND		0.00297	1	06/15/2025 16:12	WG2538915
trans-1,2-Dichloroethene	ND		0.00594	1	06/15/2025 16:12	WG2538915
1,2-Dichloropropane	ND		0.00594	1	06/15/2025 16:12	WG2538915
1,1-Dichloropropene	ND		0.00297	1	06/15/2025 16:12	WG2538915
1,3-Dichloropropane	ND		0.00594	1	06/15/2025 16:12	WG2538915
cis-1,3-Dichloropropene	ND		0.00297	1	06/15/2025 16:12	WG2538915
trans-1,3-Dichloropropene	ND		0.00594	1	06/15/2025 16:12	WG2538915
2,2-Dichloropropane	ND		0.00297	1	06/15/2025 16:12	WG2538915
Di-isopropyl ether	ND		0.00119	1	06/15/2025 16:12	WG2538915
Ethylbenzene	ND		0.0119	1	06/15/2025 16:12	WG2538915
Hexachloro-1,3-butadiene	ND		0.0297	1	06/15/2025 16:12	WG2538915
Isopropylbenzene	ND		0.00297	1	06/15/2025 16:12	WG2538915
p-Isopropyltoluene	ND		0.00594	1	06/15/2025 16:12	WG2538915
2-Butanone (MEK)	ND		0.119	1	06/15/2025 16:12	WG2538915
Methylene Chloride	ND		0.0297	1	06/15/2025 16:12	WG2538915
4-Methyl-2-pentanone (MIBK)	ND		0.0297	1	06/15/2025 16:12	WG2538915
Methyl tert-butyl ether	ND		0.00119	1	06/15/2025 16:12	WG2538915
n-Propylbenzene	ND		0.00594	1	06/15/2025 16:12	WG2538915
Styrene	ND		0.0149	1	06/15/2025 16:12	WG2538915
1,1,1,2-Tetrachloroethane	ND		0.00297	1	06/15/2025 16:12	WG2538915
1,1,2,2-Tetrachloroethane	ND		0.00297	1	06/15/2025 16:12	WG2538915
1,1,2-Trichlorotrifluoroethane	ND		0.00297	1	06/15/2025 16:12	WG2538915
Tetrachloroethene	ND		0.00297	1	06/15/2025 16:12	WG2538915
Toluene	ND		0.0119	1	06/15/2025 16:12	WG2538915
1,2,3-Trichlorobenzene	ND		0.0149	1	06/15/2025 16:12	WG2538915
1,2,4-Trichlorobenzene	ND		0.0149	1	06/15/2025 16:12	WG2538915
1,1,1-Trichloroethane	ND		0.00297	1	06/15/2025 16:12	WG2538915
1,1,2-Trichloroethane	ND		0.00297	1	06/15/2025 16:12	WG2538915
Trichloroethene	ND		0.00119	1	06/15/2025 16:12	WG2538915
Trichlorofluoromethane	ND		0.00297	1	06/15/2025 16:12	WG2538915
1,2,3-Trichloropropane	ND		0.0149	1	06/15/2025 16:12	WG2538915
1,2,3-Trimethylbenzene	ND		0.00594	1	06/15/2025 16:12	WG2538915
1,2,4-Trimethylbenzene	ND		0.00594	1	06/15/2025 16:12	WG2538915
1,3,5-Trimethylbenzene	ND		0.00594	1	06/15/2025 16:12	WG2538915
Vinyl chloride	ND		0.00297	1	06/15/2025 16:12	WG2538915
Xylenes, Total	ND		0.119	1	06/15/2025 16:12	WG2538915
(S) Toluene-d8	95.4		75.0-131		06/15/2025 16:12	WG2538915
(S) 4-Bromofluorobenzene	104		67.0-138		06/15/2025 16:12	WG2538915
(S) 1,2-Dichloroethane-d4	97.6		70.0-130		06/15/2025 16:12	WG2538915



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		21.9	5	06/20/2025 17:02	WG2542147
C28-C36 Motor Oil Range	113		21.9	5	06/20/2025 17:02	WG2542147
(S) o-Terphenyl	85.7		18.0-148		06/20/2025 17:02	WG2542147

Sample Narrative:

L1869905-07 WG2542147: 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		0.0364	1	06/20/2025 06:55	WG2541977
Benzidine	ND	J4	1.83	1	06/20/2025 06:55	WG2541977
Benzo(g,h,i)perylene	ND		0.0364	1	06/20/2025 06:55	WG2541977
Bis(2-chlorethoxy)methane	ND		0.364	1	06/20/2025 06:55	WG2541977
Bis(2-chloroethyl)ether	ND		0.364	1	06/20/2025 06:55	WG2541977
2,2-Oxybis(1-Chloropropane)	ND		0.364	1	06/20/2025 06:55	WG2541977
4-Bromophenyl-phenylether	ND		0.364	1	06/20/2025 06:55	WG2541977
2-Chloronaphthalene	ND		0.0364	1	06/20/2025 06:55	WG2541977
4-Chlorophenyl-phenylether	ND		0.364	1	06/20/2025 06:55	WG2541977
1,2-Dichlorobenzene	ND		0.364	1	06/20/2025 06:55	WG2541977
1,3-Dichlorobenzene	ND		0.364	1	06/20/2025 06:55	WG2541977
1,4-Dichlorobenzene	ND		0.364	1	06/20/2025 06:55	WG2541977
3,3-Dichlorobenzidine	ND		0.364	1	06/20/2025 06:55	WG2541977
2,4-Dinitrotoluene	ND		0.364	1	06/20/2025 06:55	WG2541977
2,6-Dinitrotoluene	ND		0.364	1	06/20/2025 06:55	WG2541977
Hexachlorobenzene	ND		0.364	1	06/20/2025 06:55	WG2541977
Hexachloro-1,3-butadiene	ND		0.364	1	06/20/2025 06:55	WG2541977
Hexachlorocyclopentadiene	ND	C7	0.364	1	06/20/2025 06:55	WG2541977
Hexachloroethane	ND		0.364	1	06/20/2025 06:55	WG2541977
Isophorone	ND		0.364	1	06/20/2025 06:55	WG2541977
Nitrobenzene	ND		0.364	1	06/20/2025 06:55	WG2541977
n-Nitrosodimethylamine	ND	C3	0.364	1	06/20/2025 06:55	WG2541977
n-Nitrosodiphenylamine	ND		0.364	1	06/20/2025 06:55	WG2541977
n-Nitrosodi-n-propylamine	ND		0.364	1	06/20/2025 06:55	WG2541977
Phenanthrene	ND		0.0364	1	06/20/2025 06:55	WG2541977
Benzylbutyl phthalate	ND		0.364	1	06/20/2025 06:55	WG2541977
Bis(2-ethylhexyl)phthalate	ND		0.364	1	06/20/2025 06:55	WG2541977
Di-n-butyl phthalate	ND		0.364	1	06/20/2025 06:55	WG2541977
Diethyl phthalate	ND		0.364	1	06/20/2025 06:55	WG2541977
Dimethyl phthalate	ND		0.364	1	06/20/2025 06:55	WG2541977
Di-n-octyl phthalate	ND		0.364	1	06/20/2025 06:55	WG2541977
1,2,4-Trichlorobenzene	ND		0.364	1	06/20/2025 06:55	WG2541977
4-Chloro-3-methylphenol	ND		0.364	1	06/20/2025 06:55	WG2541977
2-Chlorophenol	ND		0.364	1	06/20/2025 06:55	WG2541977
2,4-Dichlorophenol	ND		0.364	1	06/20/2025 06:55	WG2541977
2,4-Dimethylphenol	ND		0.364	1	06/20/2025 06:55	WG2541977
4,6-Dinitro-2-methylphenol	ND		0.364	1	06/20/2025 06:55	WG2541977
2,4-Dinitrophenol	ND		0.364	1	06/20/2025 06:55	WG2541977
2-Nitrophenol	ND		0.364	1	06/20/2025 06:55	WG2541977
4-Nitrophenol	ND		0.364	1	06/20/2025 06:55	WG2541977
Pentachlorophenol	ND		0.364	1	06/20/2025 06:55	WG2541977
Phenol	ND		0.364	1	06/20/2025 06:55	WG2541977
2,4,6-Trichlorophenol	ND		0.364	1	06/20/2025 06:55	WG2541977
(S) 2-Fluorophenol	51.4		12.0-120		06/20/2025 06:55	WG2541977
(S) Phenol-d5	48.7		10.0-120		06/20/2025 06:55	WG2541977
(S) Nitrobenzene-d5	42.2		10.0-122		06/20/2025 06:55	WG2541977

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	50.0		15.0-120		06/20/2025 06:55	WG2541977
(S) 2,4,6-Tribromophenol	75.6		10.0-127		06/20/2025 06:55	WG2541977
(S) p-Terphenyl-d14	57.2		10.0-120		06/20/2025 06:55	WG2541977

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		0.0361	1	06/21/2025 05:00	WG2542472
Acenaphthene	ND		0.0361	1	06/21/2025 05:00	WG2542472
Acenaphthylene	ND		0.0361	1	06/21/2025 05:00	WG2542472
Benzo(a)anthracene	ND		0.00656	1	06/21/2025 05:00	WG2542472
Benzo(a)pyrene	ND		0.0361	1	06/21/2025 05:00	WG2542472
Benzo(b)fluoranthene	ND	J4	0.0361	1	06/21/2025 05:00	WG2542472
Benzo(g,h,i)perylene	ND		0.0361	1	06/21/2025 05:00	WG2542472
Benzo(k)fluoranthene	ND		0.0361	1	06/21/2025 05:00	WG2542472
Chrysene	ND		0.0361	1	06/21/2025 05:00	WG2542472
Dibenz(a,h)anthracene	ND		0.0361	1	06/21/2025 05:00	WG2542472
Fluoranthene	ND		0.0361	1	06/21/2025 05:00	WG2542472
Fluorene	ND		0.0361	1	06/21/2025 05:00	WG2542472
Indeno(1,2,3-cd)pyrene	ND		0.0361	1	06/21/2025 05:00	WG2542472
Naphthalene	ND		0.00328	1	06/21/2025 05:00	WG2542472
Phenanthrene	ND		0.0361	1	06/21/2025 05:00	WG2542472
Pyrene	ND		0.0361	1	06/21/2025 05:00	WG2542472
1-Methylnaphthalene	ND		0.00328	1	06/21/2025 05:00	WG2542472
2-Methylnaphthalene	ND		0.0131	1	06/21/2025 05:00	WG2542472
(S) p-Terphenyl-d14	120		23.0-120		06/21/2025 05:00	WG2542472
(S) Nitrobenzene-d5	110		14.0-149		06/21/2025 05:00	WG2542472
(S) 2-Fluorobiphenyl	115		34.0-125		06/21/2025 05:00	WG2542472

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.243		1	06/20/2025 15:12	WG2541746

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	591		23.3	1	06/20/2025 22:43	WG2539012

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.0		1	06/14/2025 19:49	WG2538880

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11.6	1	06/18/2025 13:00	WG2539507

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	589		116	5	06/20/2025 22:43	WG2542881

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.314		0.233	1	06/26/2025 15:55	WG2539253

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.10		1	06/21/2025 08:01	WG2542964

Sample Narrative:

L1869905-08 WG2542964: 8.1 at 22.1C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	254	umhos/cm		10.0	1	06/21/2025 14:08	WG2542966

Sample Narrative:

L1869905-08 WG2542966: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		23.3	1	06/15/2025 12:37	WG2539012

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	5660		400	4	06/18/2025 17:43	WG2539188

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.459		0.200	1	06/20/2025 17:57	WG2541799

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	8610		23.3	1	06/17/2025 09:15	WG2539349
Antimony	ND		2.33	1	06/17/2025 09:15	WG2539349
Beryllium	0.558		0.233	1	06/17/2025 09:15	WG2539349
Calcium	12400		116	1	06/17/2025 09:15	WG2539349
Chromium	8.67		1.16	1	06/17/2025 09:15	WG2539349
Cobalt	4.96		1.16	1	06/17/2025 09:15	WG2539349
Iron	11700		11.6	1	06/17/2025 09:15	WG2539349
Magnesium	3220		116	1	06/17/2025 09:15	WG2539349
Manganese	247		1.16	1	06/17/2025 09:15	WG2539349
Potassium	2180		116	1	06/17/2025 09:15	WG2539349
Sodium	ND		116	1	06/17/2025 09:15	WG2539349
Thallium	ND		2.33	1	06/17/2025 09:15	WG2539349
Vanadium	21.4		2.33	1	06/17/2025 09:15	WG2539349

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	5.37		0.116	5	06/17/2025 17:18	WG2539358
Barium	105		11.6	5	06/17/2025 17:18	WG2539358
Cadmium	0.225		0.116	5	06/17/2025 17:18	WG2539358
Copper	ND		11.6	5	06/17/2025 17:18	WG2539358
Lead	ND		11.6	5	06/17/2025 17:18	WG2539358
Nickel	ND		11.6	5	06/17/2025 17:18	WG2539358
Selenium	0.580		0.116	5	06/17/2025 17:18	WG2539358
Silver	ND		0.581	5	06/17/2025 17:18	WG2539358
Zinc	ND		58.1	5	06/17/2025 17:18	WG2539358

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		3.31	25	06/15/2025 06:27	WG2538927
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	97.9		77.0-120		06/15/2025 06:27	WG2538927

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0663	1	06/14/2025 22:47	WG2538916
Acrylonitrile	ND		0.0166	1	06/14/2025 22:47	WG2538916
Benzene	ND		0.00133	1	06/14/2025 22:47	WG2538916
Bromobenzene	ND		0.0166	1	06/14/2025 22:47	WG2538916
Bromodichloromethane	ND		0.00331	1	06/14/2025 22:47	WG2538916
Bromoform	ND		0.0331	1	06/14/2025 22:47	WG2538916
Bromomethane	ND	C3	0.0166	1	06/14/2025 22:47	WG2538916
n-Butylbenzene	ND		0.0166	1	06/14/2025 22:47	WG2538916
sec-Butylbenzene	ND		0.0166	1	06/14/2025 22:47	WG2538916
tert-Butylbenzene	ND		0.00663	1	06/14/2025 22:47	WG2538916
Carbon tetrachloride	ND		0.00663	1	06/14/2025 22:47	WG2538916
Chlorobenzene	ND		0.00331	1	06/14/2025 22:47	WG2538916
Chlorodibromomethane	ND		0.00331	1	06/14/2025 22:47	WG2538916

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND	C3 J3	0.00663	1	06/14/2025 22:47	WG2538916
Chloroform	ND		0.00331	1	06/14/2025 22:47	WG2538916
Chloromethane	ND		0.0166	1	06/14/2025 22:47	WG2538916
2-Chlorotoluene	ND		0.00331	1	06/14/2025 22:47	WG2538916
4-Chlorotoluene	ND		0.00663	1	06/14/2025 22:47	WG2538916
1,2-Dibromo-3-Chloropropane	ND		0.0331	1	06/14/2025 22:47	WG2538916
1,2-Dibromoethane	ND		0.00331	1	06/14/2025 22:47	WG2538916
Dibromomethane	ND		0.00663	1	06/14/2025 22:47	WG2538916
1,2-Dichlorobenzene	ND		0.00663	1	06/14/2025 22:47	WG2538916
1,3-Dichlorobenzene	ND		0.00663	1	06/14/2025 22:47	WG2538916
1,4-Dichlorobenzene	ND		0.00663	1	06/14/2025 22:47	WG2538916
Dichlorodifluoromethane	ND		0.00663	1	06/14/2025 22:47	WG2538916
1,1-Dichloroethane	ND		0.00331	1	06/14/2025 22:47	WG2538916
1,2-Dichloroethane	ND		0.00331	1	06/14/2025 22:47	WG2538916
1,1-Dichloroethene	ND		0.00331	1	06/14/2025 22:47	WG2538916
cis-1,2-Dichloroethene	ND		0.00331	1	06/14/2025 22:47	WG2538916
trans-1,2-Dichloroethene	ND		0.00663	1	06/14/2025 22:47	WG2538916
1,2-Dichloropropane	ND		0.00663	1	06/14/2025 22:47	WG2538916
1,1-Dichloropropene	ND		0.00331	1	06/14/2025 22:47	WG2538916
1,3-Dichloropropane	ND		0.00663	1	06/14/2025 22:47	WG2538916
cis-1,3-Dichloropropene	ND		0.00331	1	06/14/2025 22:47	WG2538916
trans-1,3-Dichloropropene	ND		0.00663	1	06/14/2025 22:47	WG2538916
2,2-Dichloropropane	ND	C3	0.00331	1	06/14/2025 22:47	WG2538916
Di-isopropyl ether	ND		0.00133	1	06/14/2025 22:47	WG2538916
Ethylbenzene	ND		0.0133	1	06/14/2025 22:47	WG2538916
Hexachloro-1,3-butadiene	ND	C3	0.0331	1	06/14/2025 22:47	WG2538916
Isopropylbenzene	ND		0.00331	1	06/14/2025 22:47	WG2538916
p-Isopropyltoluene	ND		0.00663	1	06/14/2025 22:47	WG2538916
2-Butanone (MEK)	ND	J3 J4	0.133	1	06/14/2025 22:47	WG2538916
Methylene Chloride	ND		0.0331	1	06/14/2025 22:47	WG2538916
4-Methyl-2-pentanone (MIBK)	ND		0.0331	1	06/14/2025 22:47	WG2538916
Methyl tert-butyl ether	ND		0.00133	1	06/14/2025 22:47	WG2538916
n-Propylbenzene	ND		0.00663	1	06/14/2025 22:47	WG2538916
Styrene	ND		0.0166	1	06/14/2025 22:47	WG2538916
1,1,1,2-Tetrachloroethane	ND		0.00331	1	06/14/2025 22:47	WG2538916
1,1,2,2-Tetrachloroethane	ND		0.00331	1	06/14/2025 22:47	WG2538916
1,1,2-Trichlorotrifluoroethane	ND		0.00331	1	06/14/2025 22:47	WG2538916
Tetrachloroethene	ND		0.00331	1	06/14/2025 22:47	WG2538916
Toluene	ND		0.0133	1	06/14/2025 22:47	WG2538916
1,2,3-Trichlorobenzene	ND	C3	0.0166	1	06/14/2025 22:47	WG2538916
1,2,4-Trichlorobenzene	ND	C3	0.0166	1	06/14/2025 22:47	WG2538916
1,1,1-Trichloroethane	ND		0.00331	1	06/14/2025 22:47	WG2538916
1,1,2-Trichloroethane	ND		0.00331	1	06/14/2025 22:47	WG2538916
Trichloroethene	ND		0.00133	1	06/14/2025 22:47	WG2538916
Trichlorofluoromethane	ND		0.00331	1	06/14/2025 22:47	WG2538916
1,2,3-Trichloropropane	ND		0.0166	1	06/14/2025 22:47	WG2538916
1,2,3-Trimethylbenzene	ND		0.00663	1	06/14/2025 22:47	WG2538916
1,2,4-Trimethylbenzene	ND		0.00663	1	06/14/2025 22:47	WG2538916
1,3,5-Trimethylbenzene	ND		0.00663	1	06/14/2025 22:47	WG2538916
Vinyl chloride	ND		0.00331	1	06/14/2025 22:47	WG2538916
Xylenes, Total	ND		0.133	1	06/14/2025 22:47	WG2538916
(S) Toluene-d8	94.5		75.0-131		06/14/2025 22:47	WG2538916
(S) 4-Bromofluorobenzene	102		67.0-138		06/14/2025 22:47	WG2538916
(S) 1,2-Dichloroethane-d4	112		70.0-130		06/14/2025 22:47	WG2538916



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	5.44		4.65	1	06/20/2025 11:32	WG2542148
C28-C36 Motor Oil Range	23.5		4.65	1	06/20/2025 11:32	WG2542148
(S) o-Terphenyl	64.1		18.0-148		06/20/2025 11:32	WG2542148

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		0.0387	1	06/20/2025 07:18	WG2541977
Benzidine	ND	J4	1.94	1	06/20/2025 07:18	WG2541977
Benzo(g,h,i)perylene	ND		0.0387	1	06/20/2025 07:18	WG2541977
Bis(2-chlorethoxy)methane	ND		0.387	1	06/20/2025 07:18	WG2541977
Bis(2-chloroethyl)ether	ND		0.387	1	06/20/2025 07:18	WG2541977
2,2-Oxybis(1-Chloropropane)	ND		0.387	1	06/20/2025 07:18	WG2541977
4-Bromophenyl-phenylether	ND		0.387	1	06/20/2025 07:18	WG2541977
2-Chloronaphthalene	ND		0.0387	1	06/20/2025 07:18	WG2541977
4-Chlorophenyl-phenylether	ND		0.387	1	06/20/2025 07:18	WG2541977
1,2-Dichlorobenzene	ND		0.387	1	06/20/2025 07:18	WG2541977
1,3-Dichlorobenzene	ND		0.387	1	06/20/2025 07:18	WG2541977
1,4-Dichlorobenzene	ND		0.387	1	06/20/2025 07:18	WG2541977
3,3-Dichlorobenzidine	ND		0.387	1	06/20/2025 07:18	WG2541977
2,4-Dinitrotoluene	ND		0.387	1	06/20/2025 07:18	WG2541977
2,6-Dinitrotoluene	ND		0.387	1	06/20/2025 07:18	WG2541977
Hexachlorobenzene	ND		0.387	1	06/20/2025 07:18	WG2541977
Hexachloro-1,3-butadiene	ND		0.387	1	06/20/2025 07:18	WG2541977
Hexachlorocyclopentadiene	ND	C7	0.387	1	06/20/2025 07:18	WG2541977
Hexachloroethane	ND		0.387	1	06/20/2025 07:18	WG2541977
Isophorone	ND		0.387	1	06/20/2025 07:18	WG2541977
Nitrobenzene	ND		0.387	1	06/20/2025 07:18	WG2541977
n-Nitrosodimethylamine	ND	C3	0.387	1	06/20/2025 07:18	WG2541977
n-Nitrosodiphenylamine	ND		0.387	1	06/20/2025 07:18	WG2541977
n-Nitrosodi-n-propylamine	ND		0.387	1	06/20/2025 07:18	WG2541977
Phenanthrene	ND		0.0387	1	06/20/2025 07:18	WG2541977
Benzylbutyl phthalate	ND		0.387	1	06/20/2025 07:18	WG2541977
Bis(2-ethylhexyl)phthalate	ND		0.387	1	06/20/2025 07:18	WG2541977
Di-n-butyl phthalate	ND		0.387	1	06/20/2025 07:18	WG2541977
Diethyl phthalate	ND		0.387	1	06/20/2025 07:18	WG2541977
Dimethyl phthalate	ND		0.387	1	06/20/2025 07:18	WG2541977
Di-n-octyl phthalate	ND		0.387	1	06/20/2025 07:18	WG2541977
1,2,4-Trichlorobenzene	ND		0.387	1	06/20/2025 07:18	WG2541977
4-Chloro-3-methylphenol	ND		0.387	1	06/20/2025 07:18	WG2541977
2-Chlorophenol	ND		0.387	1	06/20/2025 07:18	WG2541977
2,4-Dichlorophenol	ND		0.387	1	06/20/2025 07:18	WG2541977
2,4-Dimethylphenol	ND		0.387	1	06/20/2025 07:18	WG2541977
4,6-Dinitro-2-methylphenol	ND		0.387	1	06/20/2025 07:18	WG2541977
2,4-Dinitrophenol	ND		0.387	1	06/20/2025 07:18	WG2541977
2-Nitrophenol	ND		0.387	1	06/20/2025 07:18	WG2541977
4-Nitrophenol	ND		0.387	1	06/20/2025 07:18	WG2541977
Pentachlorophenol	ND		0.387	1	06/20/2025 07:18	WG2541977
Phenol	ND		0.387	1	06/20/2025 07:18	WG2541977
2,4,6-Trichlorophenol	ND		0.387	1	06/20/2025 07:18	WG2541977
(S) 2-Fluorophenol	50.0		12.0-120		06/20/2025 07:18	WG2541977
(S) Phenol-d5	47.0		10.0-120		06/20/2025 07:18	WG2541977
(S) Nitrobenzene-d5	40.4		10.0-122		06/20/2025 07:18	WG2541977
(S) 2-Fluorobiphenyl	50.2		15.0-120		06/20/2025 07:18	WG2541977
(S) 2,4,6-Tribromophenol	71.6		10.0-127		06/20/2025 07:18	WG2541977
(S) p-Terphenyl-d14	54.7		10.0-120		06/20/2025 07:18	WG2541977

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0384	1	06/20/2025 23:06	WG2542472
Acenaphthene	ND		0.0384	1	06/20/2025 23:06	WG2542472
Acenaphthylene	ND		0.0384	1	06/20/2025 23:06	WG2542472
Benzo(a)anthracene	ND		0.00698	1	06/20/2025 23:06	WG2542472
Benzo(a)pyrene	ND		0.0384	1	06/20/2025 23:06	WG2542472
Benzo(b)fluoranthene	ND	J4	0.0384	1	06/20/2025 23:06	WG2542472
Benzo(g,h,i)perylene	ND		0.0384	1	06/20/2025 23:06	WG2542472
Benzo(k)fluoranthene	ND		0.0384	1	06/20/2025 23:06	WG2542472
Chrysene	ND		0.0384	1	06/20/2025 23:06	WG2542472
Dibenz(a,h)anthracene	ND		0.0384	1	06/20/2025 23:06	WG2542472
Fluoranthene	ND		0.0384	1	06/20/2025 23:06	WG2542472
Fluorene	ND		0.0384	1	06/20/2025 23:06	WG2542472
Indeno(1,2,3-cd)pyrene	ND		0.0384	1	06/20/2025 23:06	WG2542472
Naphthalene	ND		0.00349	1	06/20/2025 23:06	WG2542472
Phenanthrene	ND		0.0384	1	06/20/2025 23:06	WG2542472
Pyrene	ND		0.0384	1	06/20/2025 23:06	WG2542472
1-Methylnaphthalene	ND		0.00349	1	06/20/2025 23:06	WG2542472
2-Methylnaphthalene	ND		0.0140	1	06/20/2025 23:06	WG2542472
(S) p-Terphenyl-d14	125	J1	23.0-120		06/20/2025 23:06	WG2542472
(S) Nitrobenzene-d5	94.3		14.0-149		06/20/2025 23:06	WG2542472
(S) 2-Fluorobiphenyl	116		34.0-125		06/20/2025 23:06	WG2542472

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.112		1	06/20/2025 15:15	WG2541746

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	3190		24.4	1	06/21/2025 13:55	WG2539012

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	82.1		1	06/14/2025 19:49	WG2538880

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		12.2	1	06/18/2025 13:02	WG2539507

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	3180		122	5	06/21/2025 13:55	WG2542884

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.244	1	06/26/2025 16:04	WG2539253

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.07		1	06/21/2025 08:01	WG2542964

Sample Narrative:

L1869905-09 WG2542964: 7.07 at 21.9C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	382	umhos/cm		10.0	1	06/21/2025 14:08	WG2542966

Sample Narrative:

L1869905-09 WG2542966: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		24.4	1	06/15/2025 12:50	WG2539012

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	14000		1900	19	06/18/2025 17:43	WG2539188

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.471		0.200	1	06/20/2025 17:58	WG2541799

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	7590		24.4	1	06/17/2025 09:17	WG2539349
Antimony	ND		2.44	1	06/17/2025 09:17	WG2539349
Beryllium	0.449		0.244	1	06/17/2025 09:17	WG2539349
Calcium	9540		122	1	06/17/2025 09:17	WG2539349
Chromium	10.6		1.22	1	06/17/2025 09:17	WG2539349
Cobalt	4.20		1.22	1	06/17/2025 09:17	WG2539349
Iron	11200		12.2	1	06/17/2025 09:17	WG2539349
Magnesium	2660		122	1	06/17/2025 09:17	WG2539349
Manganese	246		1.22	1	06/17/2025 09:17	WG2539349
Potassium	1700		122	1	06/17/2025 09:17	WG2539349
Sodium	ND		122	1	06/17/2025 09:17	WG2539349
Thallium	ND		2.44	1	06/17/2025 09:17	WG2539349
Vanadium	20.1		2.44	1	06/17/2025 09:17	WG2539349

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	5.46	O1	0.122	5	06/24/2025 02:07	WG2544947
Barium	92.3		12.2	5	06/24/2025 02:07	WG2544947
Cadmium	0.308		0.122	5	06/24/2025 02:07	WG2544947
Copper	15.6		12.2	5	06/24/2025 02:07	WG2544947
Lead	20.6		12.2	5	06/24/2025 02:07	WG2544947
Nickel	ND	O1	12.2	5	06/24/2025 02:07	WG2544947
Selenium	0.564		0.122	5	06/24/2025 02:07	WG2544947
Silver	ND		0.609	5	06/24/2025 02:07	WG2544947
Zinc	129		60.9	5	06/24/2025 02:07	WG2544947

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		3.60	25	06/15/2025 06:50	WG2538927
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	98.6		77.0-120		06/15/2025 06:50	WG2538927

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0719	1	06/14/2025 23:06	WG2538916
Acrylonitrile	ND		0.0180	1	06/14/2025 23:06	WG2538916
Benzene	ND		0.00144	1	06/14/2025 23:06	WG2538916
Bromobenzene	ND		0.0180	1	06/14/2025 23:06	WG2538916
Bromodichloromethane	ND		0.00360	1	06/14/2025 23:06	WG2538916
Bromoform	ND		0.0360	1	06/14/2025 23:06	WG2538916
Bromomethane	ND	C3	0.0180	1	06/14/2025 23:06	WG2538916
n-Butylbenzene	ND		0.0180	1	06/14/2025 23:06	WG2538916
sec-Butylbenzene	ND		0.0180	1	06/14/2025 23:06	WG2538916
tert-Butylbenzene	ND		0.00719	1	06/14/2025 23:06	WG2538916
Carbon tetrachloride	ND		0.00719	1	06/14/2025 23:06	WG2538916
Chlorobenzene	ND		0.00360	1	06/14/2025 23:06	WG2538916
Chlorodibromomethane	ND		0.00360	1	06/14/2025 23:06	WG2538916

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND	C3 J3	0.00719	1	06/14/2025 23:06	WG2538916
Chloroform	ND		0.00360	1	06/14/2025 23:06	WG2538916
Chloromethane	ND		0.0180	1	06/14/2025 23:06	WG2538916
2-Chlorotoluene	ND		0.00360	1	06/14/2025 23:06	WG2538916
4-Chlorotoluene	ND		0.00719	1	06/14/2025 23:06	WG2538916
1,2-Dibromo-3-Chloropropane	ND		0.0360	1	06/14/2025 23:06	WG2538916
1,2-Dibromoethane	ND		0.00360	1	06/14/2025 23:06	WG2538916
Dibromomethane	ND		0.00719	1	06/14/2025 23:06	WG2538916
1,2-Dichlorobenzene	ND		0.00719	1	06/14/2025 23:06	WG2538916
1,3-Dichlorobenzene	ND		0.00719	1	06/14/2025 23:06	WG2538916
1,4-Dichlorobenzene	ND		0.00719	1	06/14/2025 23:06	WG2538916
Dichlorodifluoromethane	ND		0.00719	1	06/14/2025 23:06	WG2538916
1,1-Dichloroethane	ND		0.00360	1	06/14/2025 23:06	WG2538916
1,2-Dichloroethane	ND		0.00360	1	06/14/2025 23:06	WG2538916
1,1-Dichloroethene	ND		0.00360	1	06/14/2025 23:06	WG2538916
cis-1,2-Dichloroethene	ND		0.00360	1	06/14/2025 23:06	WG2538916
trans-1,2-Dichloroethene	ND		0.00719	1	06/14/2025 23:06	WG2538916
1,2-Dichloropropane	ND		0.00719	1	06/14/2025 23:06	WG2538916
1,1-Dichloropropene	ND		0.00360	1	06/14/2025 23:06	WG2538916
1,3-Dichloropropane	ND		0.00719	1	06/14/2025 23:06	WG2538916
cis-1,3-Dichloropropene	ND		0.00360	1	06/14/2025 23:06	WG2538916
trans-1,3-Dichloropropene	ND		0.00719	1	06/14/2025 23:06	WG2538916
2,2-Dichloropropane	ND	C3	0.00360	1	06/14/2025 23:06	WG2538916
Di-isopropyl ether	ND		0.00144	1	06/14/2025 23:06	WG2538916
Ethylbenzene	ND		0.0144	1	06/14/2025 23:06	WG2538916
Hexachloro-1,3-butadiene	ND	C3	0.0360	1	06/14/2025 23:06	WG2538916
Isopropylbenzene	ND		0.00360	1	06/14/2025 23:06	WG2538916
p-Isopropyltoluene	ND		0.00719	1	06/14/2025 23:06	WG2538916
2-Butanone (MEK)	ND	J3 J4	0.144	1	06/14/2025 23:06	WG2538916
Methylene Chloride	ND		0.0360	1	06/14/2025 23:06	WG2538916
4-Methyl-2-pentanone (MIBK)	ND		0.0360	1	06/14/2025 23:06	WG2538916
Methyl tert-butyl ether	ND		0.00144	1	06/14/2025 23:06	WG2538916
n-Propylbenzene	ND		0.00719	1	06/14/2025 23:06	WG2538916
Styrene	ND		0.0180	1	06/14/2025 23:06	WG2538916
1,1,1,2-Tetrachloroethane	ND		0.00360	1	06/14/2025 23:06	WG2538916
1,1,2,2-Tetrachloroethane	ND		0.00360	1	06/14/2025 23:06	WG2538916
1,1,2-Trichlorotrifluoroethane	ND		0.00360	1	06/14/2025 23:06	WG2538916
Tetrachloroethene	ND		0.00360	1	06/14/2025 23:06	WG2538916
Toluene	ND		0.0144	1	06/14/2025 23:06	WG2538916
1,2,3-Trichlorobenzene	ND	C3	0.0180	1	06/14/2025 23:06	WG2538916
1,2,4-Trichlorobenzene	ND	C3	0.0180	1	06/14/2025 23:06	WG2538916
1,1,1-Trichloroethane	ND		0.00360	1	06/14/2025 23:06	WG2538916
1,1,2-Trichloroethane	ND		0.00360	1	06/14/2025 23:06	WG2538916
Trichloroethene	ND		0.00144	1	06/14/2025 23:06	WG2538916
Trichlorofluoromethane	ND		0.00360	1	06/14/2025 23:06	WG2538916
1,2,3-Trichloropropane	ND		0.0180	1	06/14/2025 23:06	WG2538916
1,2,3-Trimethylbenzene	ND		0.00719	1	06/14/2025 23:06	WG2538916
1,2,4-Trimethylbenzene	ND		0.00719	1	06/14/2025 23:06	WG2538916
1,3,5-Trimethylbenzene	ND		0.00719	1	06/14/2025 23:06	WG2538916
Vinyl chloride	ND		0.00360	1	06/14/2025 23:06	WG2538916
Xylenes, Total	ND		0.144	1	06/14/2025 23:06	WG2538916
(S) Toluene-d8	98.8		75.0-131		06/14/2025 23:06	WG2538916
(S) 4-Bromofluorobenzene	97.0		67.0-138		06/14/2025 23:06	WG2538916
(S) 1,2-Dichloroethane-d4	102		70.0-130		06/14/2025 23:06	WG2538916



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		48.7	10	06/20/2025 15:36	WG2542148
C28-C36 Motor Oil Range	241		48.7	10	06/20/2025 15:36	WG2542148
(S) o-Terphenyl	71.1		18.0-148		06/20/2025 15:36	WG2542148

Sample Narrative:

L1869905-09 WG2542148: 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		0.406	10	06/20/2025 18:08	WG2541977
Benzidine	ND	J4	20.3	10	06/20/2025 18:08	WG2541977
Benzo(g,h,i)perylene	ND		0.406	10	06/20/2025 18:08	WG2541977
Bis(2-chlorethoxy)methane	ND		4.06	10	06/20/2025 18:08	WG2541977
Bis(2-chloroethyl)ether	ND		4.06	10	06/20/2025 18:08	WG2541977
2,2-Oxybis(1-Chloropropane)	ND		4.06	10	06/20/2025 18:08	WG2541977
4-Bromophenyl-phenylether	ND		4.06	10	06/20/2025 18:08	WG2541977
2-Chloronaphthalene	ND		0.406	10	06/20/2025 18:08	WG2541977
4-Chlorophenyl-phenylether	ND		4.06	10	06/20/2025 18:08	WG2541977
1,2-Dichlorobenzene	ND		4.06	10	06/20/2025 18:08	WG2541977
1,3-Dichlorobenzene	ND		4.06	10	06/20/2025 18:08	WG2541977
1,4-Dichlorobenzene	ND		4.06	10	06/20/2025 18:08	WG2541977
3,3-Dichlorobenzidine	ND		4.06	10	06/20/2025 18:08	WG2541977
2,4-Dinitrotoluene	ND		4.06	10	06/20/2025 18:08	WG2541977
2,6-Dinitrotoluene	ND		4.06	10	06/20/2025 18:08	WG2541977
Hexachlorobenzene	ND		4.06	10	06/20/2025 18:08	WG2541977
Hexachloro-1,3-butadiene	ND		4.06	10	06/20/2025 18:08	WG2541977
Hexachlorocyclopentadiene	ND	C7	4.06	10	06/20/2025 18:08	WG2541977
Hexachloroethane	ND		4.06	10	06/20/2025 18:08	WG2541977
Isophorone	ND		4.06	10	06/20/2025 18:08	WG2541977
Nitrobenzene	ND		4.06	10	06/20/2025 18:08	WG2541977
n-Nitrosodimethylamine	ND	C3	4.06	10	06/20/2025 18:08	WG2541977
n-Nitrosodiphenylamine	ND		4.06	10	06/20/2025 18:08	WG2541977
n-Nitrosodi-n-propylamine	ND		4.06	10	06/20/2025 18:08	WG2541977
Phenanthrene	ND		0.406	10	06/20/2025 18:08	WG2541977
Benzylbutyl phthalate	ND		4.06	10	06/20/2025 18:08	WG2541977
Bis(2-ethylhexyl)phthalate	7.86		4.06	10	06/20/2025 18:08	WG2541977
Di-n-butyl phthalate	ND		4.06	10	06/20/2025 18:08	WG2541977
Diethyl phthalate	ND		4.06	10	06/20/2025 18:08	WG2541977
Dimethyl phthalate	ND		4.06	10	06/20/2025 18:08	WG2541977
Di-n-octyl phthalate	ND		4.06	10	06/20/2025 18:08	WG2541977
1,2,4-Trichlorobenzene	ND		4.06	10	06/20/2025 18:08	WG2541977
4-Chloro-3-methylphenol	ND		4.06	10	06/20/2025 18:08	WG2541977
2-Chlorophenol	ND		4.06	10	06/20/2025 18:08	WG2541977
2,4-Dichlorophenol	ND		4.06	10	06/20/2025 18:08	WG2541977
2,4-Dimethylphenol	ND		4.06	10	06/20/2025 18:08	WG2541977
4,6-Dinitro-2-methylphenol	ND		4.06	10	06/20/2025 18:08	WG2541977
2,4-Dinitrophenol	ND		4.06	10	06/20/2025 18:08	WG2541977
2-Nitrophenol	ND		4.06	10	06/20/2025 18:08	WG2541977
4-Nitrophenol	ND		4.06	10	06/20/2025 18:08	WG2541977
Pentachlorophenol	ND		4.06	10	06/20/2025 18:08	WG2541977
Phenol	ND		4.06	10	06/20/2025 18:08	WG2541977
2,4,6-Trichlorophenol	ND		4.06	10	06/20/2025 18:08	WG2541977
(S) 2-Fluorophenol	57.6		12.0-120		06/20/2025 18:08	WG2541977
(S) Phenol-d5	58.3		10.0-120		06/20/2025 18:08	WG2541977
(S) Nitrobenzene-d5	45.7		10.0-122		06/20/2025 18:08	WG2541977

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	55.6		15.0-120		06/20/2025 18:08	WG2541977
(S) 2,4,6-Tribromophenol	76.5		10.0-127		06/20/2025 18:08	WG2541977
(S) p-Terphenyl-d14	60.0		10.0-120		06/20/2025 18:08	WG2541977

Sample Narrative:

L1869905-09 WG2541977: 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		0.0402	1	06/21/2025 05:59	WG2542472
Acenaphthene	ND		0.0402	1	06/21/2025 05:59	WG2542472
Acenaphthylene	ND		0.0402	1	06/21/2025 05:59	WG2542472
Benzo(a)anthracene	0.0480		0.00731	1	06/21/2025 05:59	WG2542472
Benzo(a)pyrene	ND		0.0402	1	06/21/2025 05:59	WG2542472
Benzo(b)fluoranthene	0.0528	J4	0.0402	1	06/21/2025 05:59	WG2542472
Benzo(g,h,i)perylene	ND		0.0402	1	06/21/2025 05:59	WG2542472
Benzo(k)fluoranthene	ND		0.0402	1	06/21/2025 05:59	WG2542472
Chrysene	ND		0.0402	1	06/21/2025 05:59	WG2542472
Dibenz(a,h)anthracene	ND		0.0402	1	06/21/2025 05:59	WG2542472
Fluoranthene	0.0589		0.0402	1	06/21/2025 05:59	WG2542472
Fluorene	ND		0.0402	1	06/21/2025 05:59	WG2542472
Indeno(1,2,3-cd)pyrene	ND		0.0402	1	06/21/2025 05:59	WG2542472
Naphthalene	ND		0.00366	1	06/21/2025 05:59	WG2542472
Phenanthrene	ND		0.0402	1	06/21/2025 05:59	WG2542472
Pyrene	0.0576		0.0402	1	06/21/2025 05:59	WG2542472
1-Methylnaphthalene	ND		0.00366	1	06/21/2025 05:59	WG2542472
2-Methylnaphthalene	ND		0.0146	1	06/21/2025 05:59	WG2542472
(S) p-Terphenyl-d14	113		23.0-120		06/21/2025 05:59	WG2542472
(S) Nitrobenzene-d5	110		14.0-149		06/21/2025 05:59	WG2542472
(S) 2-Fluorobiphenyl	113		34.0-125		06/21/2025 05:59	WG2542472

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch	
Acetone	ND		0.0500	1	06/15/2025 14:42	WG2539124	¹ Cp
Acrolein	ND		0.0500	1	06/15/2025 14:42	WG2539124	² Tc
Acrylonitrile	ND		0.0100	1	06/15/2025 14:42	WG2539124	³ Ss
Benzene	ND		0.00100	1	06/15/2025 14:42	WG2539124	⁴ Cn
Bromobenzene	ND		0.00100	1	06/15/2025 14:42	WG2539124	⁵ Ds
Bromodichloromethane	ND		0.00100	1	06/15/2025 14:42	WG2539124	⁶ Sr
Bromoform	ND		0.00100	1	06/15/2025 14:42	WG2539124	⁷ Qc
Bromomethane	ND		0.00500	1	06/15/2025 14:42	WG2539124	⁸ Gl
n-Butylbenzene	ND		0.00100	1	06/15/2025 14:42	WG2539124	⁹ Al
sec-Butylbenzene	ND		0.00100	1	06/15/2025 14:42	WG2539124	¹⁰ Sc
tert-Butylbenzene	ND		0.00100	1	06/15/2025 14:42	WG2539124	
Carbon tetrachloride	ND		0.00100	1	06/15/2025 14:42	WG2539124	
Chlorobenzene	ND		0.00100	1	06/15/2025 14:42	WG2539124	
Chlorodibromomethane	ND		0.00100	1	06/15/2025 14:42	WG2539124	
Chloroethane	ND		0.00500	1	06/15/2025 14:42	WG2539124	
Chloroform	ND		0.00500	1	06/15/2025 14:42	WG2539124	
Chloromethane	ND		0.00250	1	06/15/2025 14:42	WG2539124	
2-Chlorotoluene	ND		0.00100	1	06/15/2025 14:42	WG2539124	
4-Chlorotoluene	ND		0.00100	1	06/15/2025 14:42	WG2539124	
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	06/15/2025 14:42	WG2539124	
1,2-Dibromoethane	ND		0.00100	1	06/15/2025 14:42	WG2539124	
Dibromomethane	ND		0.00100	1	06/15/2025 14:42	WG2539124	
1,2-Dichlorobenzene	ND		0.00100	1	06/15/2025 14:42	WG2539124	
1,3-Dichlorobenzene	ND		0.00100	1	06/15/2025 14:42	WG2539124	
1,4-Dichlorobenzene	ND		0.00100	1	06/15/2025 14:42	WG2539124	
Dichlorodifluoromethane	ND		0.00500	1	06/15/2025 14:42	WG2539124	
1,1-Dichloroethane	ND		0.00100	1	06/15/2025 14:42	WG2539124	
1,2-Dichloroethane	ND		0.00100	1	06/15/2025 14:42	WG2539124	
1,1-Dichloroethene	ND		0.00100	1	06/15/2025 14:42	WG2539124	
cis-1,2-Dichloroethene	ND		0.00100	1	06/15/2025 14:42	WG2539124	
trans-1,2-Dichloroethene	ND		0.00100	1	06/15/2025 14:42	WG2539124	
1,2-Dichloropropane	ND		0.00100	1	06/15/2025 14:42	WG2539124	
1,1-Dichloropropene	ND		0.00100	1	06/15/2025 14:42	WG2539124	
1,3-Dichloropropane	ND		0.00100	1	06/15/2025 14:42	WG2539124	
cis-1,3-Dichloropropene	ND		0.00100	1	06/15/2025 14:42	WG2539124	
trans-1,3-Dichloropropene	ND		0.00100	1	06/15/2025 14:42	WG2539124	
2,2-Dichloropropane	ND		0.00100	1	06/15/2025 14:42	WG2539124	
Di-isopropyl ether	ND		0.00100	1	06/15/2025 14:42	WG2539124	
Ethylbenzene	ND		0.00100	1	06/15/2025 14:42	WG2539124	
Hexachloro-1,3-butadiene	ND		0.00100	1	06/15/2025 14:42	WG2539124	
Isopropylbenzene	ND		0.00100	1	06/15/2025 14:42	WG2539124	
p-Isopropyltoluene	ND		0.00100	1	06/15/2025 14:42	WG2539124	
2-Butanone (MEK)	ND		0.0100	1	06/15/2025 14:42	WG2539124	
Methylene Chloride	ND		0.00500	1	06/15/2025 14:42	WG2539124	
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	06/15/2025 14:42	WG2539124	
Methyl tert-butyl ether	ND		0.00100	1	06/15/2025 14:42	WG2539124	
Naphthalene	ND		0.00500	1	06/15/2025 14:42	WG2539124	
n-Propylbenzene	ND		0.00100	1	06/15/2025 14:42	WG2539124	
Styrene	ND		0.00100	1	06/15/2025 14:42	WG2539124	
1,1,1,2-Tetrachloroethane	ND		0.00100	1	06/15/2025 14:42	WG2539124	
1,1,2,2-Tetrachloroethane	ND		0.00100	1	06/15/2025 14:42	WG2539124	
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	06/15/2025 14:42	WG2539124	
Tetrachloroethene	ND		0.00100	1	06/15/2025 14:42	WG2539124	
Toluene	ND		0.00100	1	06/15/2025 14:42	WG2539124	
1,2,3-Trichlorobenzene	ND		0.00100	1	06/15/2025 14:42	WG2539124	
1,2,4-Trichlorobenzene	ND	C3	0.00100	1	06/15/2025 14:42	WG2539124	

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00100	1	06/15/2025 14:42	WG2539124
1,1,2-Trichloroethane	ND		0.00100	1	06/15/2025 14:42	WG2539124
Trichloroethene	ND		0.00100	1	06/15/2025 14:42	WG2539124
Trichlorofluoromethane	ND		0.00500	1	06/15/2025 14:42	WG2539124
1,2,3-Trichloropropane	ND		0.00250	1	06/15/2025 14:42	WG2539124
1,2,4-Trimethylbenzene	ND		0.00100	1	06/15/2025 14:42	WG2539124
1,2,3-Trimethylbenzene	ND		0.00100	1	06/15/2025 14:42	WG2539124
1,3,5-Trimethylbenzene	ND		0.00100	1	06/15/2025 14:42	WG2539124
Vinyl chloride	ND		0.00100	1	06/15/2025 14:42	WG2539124
Xylenes, Total	ND		0.00300	1	06/15/2025 14:42	WG2539124
(S) Toluene-d8	98.8		80.0-120		06/15/2025 14:42	WG2539124
(S) 4-Bromofluorobenzene	98.7		77.0-126		06/15/2025 14:42	WG2539124
(S) 1,2-Dichloroethane-d4	104		70.0-130		06/15/2025 14:42	WG2539124

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.38		1	06/20/2025 14:02	WG2541746

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	841		22.1	1	06/21/2025 13:57	WG2541132

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.3		1	06/14/2025 19:49	WG2538880

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11.1	1	06/18/2025 13:03	WG2539507

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	807	J3 J6	22.1	1	06/21/2025 13:57	WG2542884

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND	J3	0.221	1	06/26/2025 16:13	WG2539253

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.90		1	06/21/2025 08:01	WG2542964

Sample Narrative:

L1869905-11 WG2542964: 7.9 at 22C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	953	umhos/cm		10.0	1	06/21/2025 14:08	WG2542966

Sample Narrative:

L1869905-11 WG2542966: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		22.1	1	06/20/2025 01:57	WG2541132

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	7570		500	5	06/18/2025 17:44	WG2539188

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.698		0.200	1	06/20/2025 18:00	WG2541799

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	8060	O1 V	22.1	1	06/17/2025 08:54	WG2539349
Antimony	ND	J6	2.21	1	06/17/2025 08:54	WG2539349
Beryllium	0.496		0.221	1	06/17/2025 08:54	WG2539349
Calcium	14400	O1 V	111	1	06/17/2025 08:54	WG2539349
Chromium	7.87		1.11	1	06/17/2025 08:54	WG2539349
Cobalt	4.55		1.11	1	06/17/2025 08:54	WG2539349
Iron	12500	O1 V	11.1	1	06/17/2025 08:54	WG2539349
Magnesium	3000	O1	111	1	06/17/2025 08:54	WG2539349
Manganese	308	J6 O1	1.11	1	06/17/2025 08:54	WG2539349
Potassium	2180	O1	111	1	06/17/2025 08:54	WG2539349
Sodium	120		111	1	06/17/2025 08:54	WG2539349
Thallium	ND		2.21	1	06/17/2025 08:54	WG2539349
Vanadium	24.6	O1	2.21	1	06/17/2025 08:54	WG2539349

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	5.89		0.111	5	06/17/2025 16:36	WG2539358
Barium	89.4		11.1	5	06/17/2025 16:36	WG2539358
Cadmium	0.232		0.111	5	06/17/2025 16:36	WG2539358
Copper	ND		11.1	5	06/17/2025 16:36	WG2539358
Lead	ND		11.1	5	06/17/2025 16:36	WG2539358
Nickel	ND		11.1	5	06/17/2025 16:36	WG2539358
Selenium	0.394		0.111	5	06/17/2025 16:36	WG2539358
Silver	ND		0.554	5	06/17/2025 16:36	WG2539358
Zinc	ND	J5 O1	55.4	5	06/17/2025 16:36	WG2539358

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		3.04	25	06/15/2025 09:48	WG2538926
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	100		77.0-120		06/15/2025 09:48	WG2538926

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0608	1	06/14/2025 23:25	WG2538916
Acrylonitrile	ND		0.0152	1	06/14/2025 23:25	WG2538916
Benzene	ND		0.00122	1	06/14/2025 23:25	WG2538916
Bromobenzene	ND		0.0152	1	06/14/2025 23:25	WG2538916
Bromodichloromethane	ND		0.00304	1	06/14/2025 23:25	WG2538916
Bromoform	ND		0.0304	1	06/14/2025 23:25	WG2538916
Bromomethane	ND	C3	0.0152	1	06/14/2025 23:25	WG2538916
n-Butylbenzene	ND		0.0152	1	06/14/2025 23:25	WG2538916
sec-Butylbenzene	ND		0.0152	1	06/14/2025 23:25	WG2538916
tert-Butylbenzene	ND		0.00608	1	06/14/2025 23:25	WG2538916
Carbon tetrachloride	ND		0.00608	1	06/14/2025 23:25	WG2538916
Chlorobenzene	ND		0.00304	1	06/14/2025 23:25	WG2538916
Chlorodibromomethane	ND		0.00304	1	06/14/2025 23:25	WG2538916



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	C3	0.00608	1	06/14/2025 23:25	WG2538916
Chloroform	ND		0.00304	1	06/14/2025 23:25	WG2538916
Chloromethane	ND		0.0152	1	06/14/2025 23:25	WG2538916
2-Chlorotoluene	ND		0.00304	1	06/14/2025 23:25	WG2538916
4-Chlorotoluene	ND		0.00608	1	06/14/2025 23:25	WG2538916
1,2-Dibromo-3-Chloropropane	ND		0.0304	1	06/14/2025 23:25	WG2538916
1,2-Dibromoethane	ND		0.00304	1	06/14/2025 23:25	WG2538916
Dibromomethane	ND		0.00608	1	06/14/2025 23:25	WG2538916
1,2-Dichlorobenzene	ND		0.00608	1	06/14/2025 23:25	WG2538916
1,3-Dichlorobenzene	ND		0.00608	1	06/14/2025 23:25	WG2538916
1,4-Dichlorobenzene	ND		0.00608	1	06/14/2025 23:25	WG2538916
Dichlorodifluoromethane	ND		0.00608	1	06/14/2025 23:25	WG2538916
1,1-Dichloroethane	ND		0.00304	1	06/14/2025 23:25	WG2538916
1,2-Dichloroethane	ND		0.00304	1	06/14/2025 23:25	WG2538916
1,1-Dichloroethene	ND		0.00304	1	06/14/2025 23:25	WG2538916
cis-1,2-Dichloroethene	ND		0.00304	1	06/14/2025 23:25	WG2538916
trans-1,2-Dichloroethene	ND		0.00608	1	06/14/2025 23:25	WG2538916
1,2-Dichloropropane	ND		0.00608	1	06/14/2025 23:25	WG2538916
1,1-Dichloropropene	ND		0.00304	1	06/14/2025 23:25	WG2538916
1,3-Dichloropropane	ND		0.00608	1	06/14/2025 23:25	WG2538916
cis-1,3-Dichloropropene	ND		0.00304	1	06/14/2025 23:25	WG2538916
trans-1,3-Dichloropropene	ND		0.00608	1	06/14/2025 23:25	WG2538916
2,2-Dichloropropane	ND	C3	0.00304	1	06/14/2025 23:25	WG2538916
Di-isopropyl ether	ND		0.00122	1	06/14/2025 23:25	WG2538916
Ethylbenzene	ND		0.0122	1	06/14/2025 23:25	WG2538916
Hexachloro-1,3-butadiene	ND	C3	0.0304	1	06/14/2025 23:25	WG2538916
Isopropylbenzene	ND		0.00304	1	06/14/2025 23:25	WG2538916
p-Isopropyltoluene	ND		0.00608	1	06/14/2025 23:25	WG2538916
2-Butanone (MEK)	ND	J3 J4	0.122	1	06/14/2025 23:25	WG2538916
Methylene Chloride	ND		0.0304	1	06/14/2025 23:25	WG2538916
4-Methyl-2-pentanone (MIBK)	ND		0.0304	1	06/14/2025 23:25	WG2538916
Methyl tert-butyl ether	ND		0.00122	1	06/14/2025 23:25	WG2538916
n-Propylbenzene	ND		0.00608	1	06/14/2025 23:25	WG2538916
Styrene	ND		0.0152	1	06/14/2025 23:25	WG2538916
1,1,1,2-Tetrachloroethane	ND		0.00304	1	06/14/2025 23:25	WG2538916
1,1,2,2-Tetrachloroethane	ND		0.00304	1	06/14/2025 23:25	WG2538916
1,1,2-Trichlorotrifluoroethane	ND		0.00304	1	06/14/2025 23:25	WG2538916
Tetrachloroethene	ND		0.00304	1	06/14/2025 23:25	WG2538916
Toluene	ND		0.0122	1	06/14/2025 23:25	WG2538916
1,2,3-Trichlorobenzene	ND	C3	0.0152	1	06/14/2025 23:25	WG2538916
1,2,4-Trichlorobenzene	ND	C3	0.0152	1	06/14/2025 23:25	WG2538916
1,1,1-Trichloroethane	ND		0.00304	1	06/14/2025 23:25	WG2538916
1,1,2-Trichloroethane	ND		0.00304	1	06/14/2025 23:25	WG2538916
Trichloroethene	ND		0.00122	1	06/14/2025 23:25	WG2538916
Trichlorofluoromethane	ND		0.00304	1	06/14/2025 23:25	WG2538916
1,2,3-Trichloropropane	ND		0.0152	1	06/14/2025 23:25	WG2538916
1,2,3-Trimethylbenzene	ND		0.00608	1	06/14/2025 23:25	WG2538916
1,2,4-Trimethylbenzene	ND		0.00608	1	06/14/2025 23:25	WG2538916
1,3,5-Trimethylbenzene	ND		0.00608	1	06/14/2025 23:25	WG2538916
Vinyl chloride	ND		0.00304	1	06/14/2025 23:25	WG2538916
Xylenes, Total	ND		0.122	1	06/14/2025 23:25	WG2538916
(S) Toluene-d8	98.0		75.0-131		06/14/2025 23:25	WG2538916
(S) 4-Bromofluorobenzene	91.5		67.0-138		06/14/2025 23:25	WG2538916
(S) 1,2-Dichloroethane-d4	102		70.0-130		06/14/2025 23:25	WG2538916

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	15.2		4.43	1	06/20/2025 13:15	WG2542148
C28-C36 Motor Oil Range	73.1		4.43	1	06/20/2025 13:15	WG2542148
(S) o-Terphenyl	65.5		18.0-148		06/20/2025 13:15	WG2542148

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		0.0738	2	06/20/2025 15:23	WG2542351
Benzidine	ND	J4 J6	3.70	2	06/20/2025 15:23	WG2542351
Benzo(g,h,i)perylene	ND		0.0738	2	06/20/2025 15:23	WG2542351
Bis(2-chlorethoxy)methane	ND		0.738	2	06/20/2025 15:23	WG2542351
Bis(2-chloroethyl)ether	ND		0.738	2	06/20/2025 15:23	WG2542351
2,2-Oxybis(1-Chloropropane)	ND		0.738	2	06/20/2025 15:23	WG2542351
4-Bromophenyl-phenylether	ND		0.738	2	06/20/2025 15:23	WG2542351
2-Chloronaphthalene	ND		0.0738	2	06/20/2025 15:23	WG2542351
4-Chlorophenyl-phenylether	ND		0.738	2	06/20/2025 15:23	WG2542351
1,2-Dichlorobenzene	ND		0.738	2	06/20/2025 15:23	WG2542351
1,3-Dichlorobenzene	ND		0.738	2	06/20/2025 15:23	WG2542351
1,4-Dichlorobenzene	ND		0.738	2	06/20/2025 15:23	WG2542351
3,3-Dichlorobenzidine	ND		0.738	2	06/20/2025 15:23	WG2542351
2,4-Dinitrotoluene	ND		0.738	2	06/20/2025 15:23	WG2542351
2,6-Dinitrotoluene	ND		0.738	2	06/20/2025 15:23	WG2542351
Hexachlorobenzene	ND		0.738	2	06/20/2025 15:23	WG2542351
Hexachloro-1,3-butadiene	ND		0.738	2	06/20/2025 15:23	WG2542351
Hexachlorocyclopentadiene	ND	C7 J6	0.738	2	06/20/2025 15:23	WG2542351
Hexachloroethane	ND		0.738	2	06/20/2025 15:23	WG2542351
Isophorone	ND		0.738	2	06/20/2025 15:23	WG2542351
Nitrobenzene	ND		0.738	2	06/20/2025 15:23	WG2542351
n-Nitrosodimethylamine	ND	C3	0.738	2	06/20/2025 15:23	WG2542351
n-Nitrosodiphenylamine	ND		0.738	2	06/20/2025 15:23	WG2542351
n-Nitrosodi-n-propylamine	ND		0.738	2	06/20/2025 15:23	WG2542351
Phenanthrene	ND		0.0738	2	06/20/2025 15:23	WG2542351
Benzylbutyl phthalate	ND		0.738	2	06/20/2025 15:23	WG2542351
Bis(2-ethylhexyl)phthalate	ND		0.738	2	06/20/2025 15:23	WG2542351
Di-n-butyl phthalate	ND		0.738	2	06/20/2025 15:23	WG2542351
Diethyl phthalate	ND		0.738	2	06/20/2025 15:23	WG2542351
Dimethyl phthalate	ND		0.738	2	06/20/2025 15:23	WG2542351
Di-n-octyl phthalate	ND		0.738	2	06/20/2025 15:23	WG2542351
1,2,4-Trichlorobenzene	ND		0.738	2	06/20/2025 15:23	WG2542351
4-Chloro-3-methylphenol	ND		0.738	2	06/20/2025 15:23	WG2542351
2-Chlorophenol	ND		0.738	2	06/20/2025 15:23	WG2542351
2,4-Dichlorophenol	ND		0.738	2	06/20/2025 15:23	WG2542351
2,4-Dimethylphenol	ND		0.738	2	06/20/2025 15:23	WG2542351
4,6-Dinitro-2-methylphenol	ND		0.738	2	06/20/2025 15:23	WG2542351
2,4-Dinitrophenol	ND		0.738	2	06/20/2025 15:23	WG2542351
2-Nitrophenol	ND		0.738	2	06/20/2025 15:23	WG2542351
4-Nitrophenol	ND		0.738	2	06/20/2025 15:23	WG2542351
Pentachlorophenol	ND		0.738	2	06/20/2025 15:23	WG2542351
Phenol	ND		0.738	2	06/20/2025 15:23	WG2542351
2,4,6-Trichlorophenol	ND		0.738	2	06/20/2025 15:23	WG2542351
(S) 2-Fluorophenol	55.6		12.0-120		06/20/2025 15:23	WG2542351
(S) Phenol-d5	54.3		10.0-120		06/20/2025 15:23	WG2542351
(S) Nitrobenzene-d5	45.0		10.0-122		06/20/2025 15:23	WG2542351
(S) 2-Fluorobiphenyl	52.8		15.0-120		06/20/2025 15:23	WG2542351
(S) 2,4,6-Tribromophenol	72.5		10.0-127		06/20/2025 15:23	WG2542351
(S) p-Terphenyl-d14	58.4		10.0-120		06/20/2025 15:23	WG2542351



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

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

L1869905-11 WG2542351: 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		0.0365	1	06/21/2025 01:04	WG2542472
Acenaphthene	ND		0.0365	1	06/21/2025 01:04	WG2542472
Acenaphthylene	ND		0.0365	1	06/21/2025 01:04	WG2542472
Benzo(a)anthracene	ND		0.00664	1	06/21/2025 01:04	WG2542472
Benzo(a)pyrene	ND		0.0365	1	06/21/2025 01:04	WG2542472
Benzo(b)fluoranthene	ND	J4	0.0365	1	06/21/2025 01:04	WG2542472
Benzo(g,h,i)perylene	ND		0.0365	1	06/21/2025 01:04	WG2542472
Benzo(k)fluoranthene	ND		0.0365	1	06/21/2025 01:04	WG2542472
Chrysene	ND		0.0365	1	06/21/2025 01:04	WG2542472
Dibenz(a,h)anthracene	ND		0.0365	1	06/21/2025 01:04	WG2542472
Fluoranthene	ND		0.0365	1	06/21/2025 01:04	WG2542472
Fluorene	ND		0.0365	1	06/21/2025 01:04	WG2542472
Indeno(1,2,3-cd)pyrene	ND		0.0365	1	06/21/2025 01:04	WG2542472
Naphthalene	ND		0.00332	1	06/21/2025 01:04	WG2542472
Phenanthrene	ND		0.0365	1	06/21/2025 01:04	WG2542472
Pyrene	ND		0.0365	1	06/21/2025 01:04	WG2542472
1-Methylnaphthalene	ND		0.00332	1	06/21/2025 01:04	WG2542472
2-Methylnaphthalene	ND		0.0133	1	06/21/2025 01:04	WG2542472
(S) p-Terphenyl-d14	118		23.0-120		06/21/2025 01:04	WG2542472
(S) Nitrobenzene-d5	100		14.0-149		06/21/2025 01:04	WG2542472
(S) 2-Fluorobiphenyl	116		34.0-125		06/21/2025 01:04	WG2542472

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.56		1	06/20/2025 15:46	WG2541748

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	2610		116	1	06/21/2025 14:03	WG2539012

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.4		1	06/14/2025 20:16	WG2538881

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	305		11.6	1	06/18/2025 13:09	WG2539507

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	2110		116	5	06/21/2025 14:03	WG2542884

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.232	1	06/26/2025 18:24	WG2539253

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.45		1	06/21/2025 09:10	WG2542972

Sample Narrative:

L1869905-12 WG2542972: 7.45 at 22.5C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	4040	umhos/cm		10.0	1	06/24/2025 20:30	WG2543008

Sample Narrative:

L1869905-12 WG2543008: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	498		232	10	06/15/2025 13:44	WG2539012

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	10100		800	8	06/18/2025 17:46	WG2539188

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.665		0.200	1	06/22/2025 01:16	WG2541796

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	7800		23.2	1	06/17/2025 09:22	WG2539349
Antimony	ND		2.32	1	06/17/2025 09:22	WG2539349
Beryllium	0.410		0.232	1	06/17/2025 09:22	WG2539349
Calcium	14000		116	1	06/17/2025 09:22	WG2539349
Chromium	7.56		1.16	1	06/17/2025 09:22	WG2539349
Cobalt	3.73		1.16	1	06/17/2025 09:22	WG2539349
Iron	10100		11.6	1	06/17/2025 09:22	WG2539349
Magnesium	2880		116	1	06/17/2025 09:22	WG2539349
Manganese	191		1.16	1	06/17/2025 09:22	WG2539349
Potassium	2440		116	1	06/17/2025 09:22	WG2539349
Sodium	235		116	1	06/17/2025 09:22	WG2539349
Thallium	ND		2.32	1	06/17/2025 09:22	WG2539349
Vanadium	18.1		2.32	1	06/17/2025 09:22	WG2539349

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	5.07		0.116	5	06/24/2025 02:23	WG2544947
Barium	85.5		11.6	5	06/24/2025 02:23	WG2544947
Cadmium	0.233		0.116	5	06/24/2025 02:23	WG2544947
Copper	ND		11.6	5	06/24/2025 02:23	WG2544947
Lead	ND		11.6	5	06/24/2025 02:23	WG2544947
Nickel	ND		11.6	5	06/24/2025 02:23	WG2544947
Selenium	0.419		0.116	5	06/24/2025 02:23	WG2544947
Silver	ND		0.579	5	06/24/2025 02:23	WG2544947
Zinc	ND		57.9	5	06/24/2025 02:23	WG2544947

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		3.29	25	06/15/2025 07:35	WG2538927
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	99.0		77.0-120		06/15/2025 07:35	WG2538927

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0658	1	06/14/2025 23:44	WG2538916
Acrylonitrile	ND		0.0165	1	06/14/2025 23:44	WG2538916
Benzene	ND		0.00132	1	06/14/2025 23:44	WG2538916
Bromobenzene	ND		0.0165	1	06/14/2025 23:44	WG2538916
Bromodichloromethane	ND		0.00329	1	06/14/2025 23:44	WG2538916
Bromoform	ND		0.0329	1	06/14/2025 23:44	WG2538916
Bromomethane	ND	C3	0.0165	1	06/14/2025 23:44	WG2538916
n-Butylbenzene	ND		0.0165	1	06/14/2025 23:44	WG2538916
sec-Butylbenzene	ND		0.0165	1	06/14/2025 23:44	WG2538916
tert-Butylbenzene	ND		0.00658	1	06/14/2025 23:44	WG2538916
Carbon tetrachloride	ND		0.00658	1	06/14/2025 23:44	WG2538916
Chlorobenzene	ND		0.00329	1	06/14/2025 23:44	WG2538916
Chlorodibromomethane	ND		0.00329	1	06/14/2025 23:44	WG2538916

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND	C3 J3	0.00658	1	06/14/2025 23:44	WG2538916
Chloroform	ND		0.00329	1	06/14/2025 23:44	WG2538916
Chloromethane	ND		0.0165	1	06/14/2025 23:44	WG2538916
2-Chlorotoluene	ND		0.00329	1	06/14/2025 23:44	WG2538916
4-Chlorotoluene	ND		0.00658	1	06/14/2025 23:44	WG2538916
1,2-Dibromo-3-Chloropropane	ND		0.0329	1	06/14/2025 23:44	WG2538916
1,2-Dibromoethane	ND		0.00329	1	06/14/2025 23:44	WG2538916
Dibromomethane	ND		0.00658	1	06/14/2025 23:44	WG2538916
1,2-Dichlorobenzene	ND		0.00658	1	06/14/2025 23:44	WG2538916
1,3-Dichlorobenzene	ND		0.00658	1	06/14/2025 23:44	WG2538916
1,4-Dichlorobenzene	ND		0.00658	1	06/14/2025 23:44	WG2538916
Dichlorodifluoromethane	ND		0.00658	1	06/14/2025 23:44	WG2538916
1,1-Dichloroethane	ND		0.00329	1	06/14/2025 23:44	WG2538916
1,2-Dichloroethane	ND		0.00329	1	06/14/2025 23:44	WG2538916
1,1-Dichloroethene	ND		0.00329	1	06/14/2025 23:44	WG2538916
cis-1,2-Dichloroethene	ND		0.00329	1	06/14/2025 23:44	WG2538916
trans-1,2-Dichloroethene	ND		0.00658	1	06/14/2025 23:44	WG2538916
1,2-Dichloropropane	ND		0.00658	1	06/14/2025 23:44	WG2538916
1,1-Dichloropropene	ND		0.00329	1	06/14/2025 23:44	WG2538916
1,3-Dichloropropane	ND		0.00658	1	06/14/2025 23:44	WG2538916
cis-1,3-Dichloropropene	ND		0.00329	1	06/14/2025 23:44	WG2538916
trans-1,3-Dichloropropene	ND		0.00658	1	06/14/2025 23:44	WG2538916
2,2-Dichloropropane	ND	C3	0.00329	1	06/14/2025 23:44	WG2538916
Di-isopropyl ether	ND		0.00132	1	06/14/2025 23:44	WG2538916
Ethylbenzene	ND		0.0132	1	06/14/2025 23:44	WG2538916
Hexachloro-1,3-butadiene	ND	C3	0.0329	1	06/14/2025 23:44	WG2538916
Isopropylbenzene	ND		0.00329	1	06/14/2025 23:44	WG2538916
p-Isopropyltoluene	ND		0.00658	1	06/14/2025 23:44	WG2538916
2-Butanone (MEK)	ND	J3 J4	0.132	1	06/14/2025 23:44	WG2538916
Methylene Chloride	ND		0.0329	1	06/14/2025 23:44	WG2538916
4-Methyl-2-pentanone (MIBK)	ND		0.0329	1	06/14/2025 23:44	WG2538916
Methyl tert-butyl ether	ND		0.00132	1	06/14/2025 23:44	WG2538916
n-Propylbenzene	ND		0.00658	1	06/14/2025 23:44	WG2538916
Styrene	ND		0.0165	1	06/14/2025 23:44	WG2538916
1,1,1,2-Tetrachloroethane	ND		0.00329	1	06/14/2025 23:44	WG2538916
1,1,2,2-Tetrachloroethane	ND		0.00329	1	06/14/2025 23:44	WG2538916
1,1,2-Trichlorotrifluoroethane	ND		0.00329	1	06/14/2025 23:44	WG2538916
Tetrachloroethene	ND		0.00329	1	06/14/2025 23:44	WG2538916
Toluene	ND		0.0132	1	06/14/2025 23:44	WG2538916
1,2,3-Trichlorobenzene	ND	C3	0.0165	1	06/14/2025 23:44	WG2538916
1,2,4-Trichlorobenzene	ND	C3	0.0165	1	06/14/2025 23:44	WG2538916
1,1,1-Trichloroethane	ND		0.00329	1	06/14/2025 23:44	WG2538916
1,1,2-Trichloroethane	ND		0.00329	1	06/14/2025 23:44	WG2538916
Trichloroethene	ND		0.00132	1	06/14/2025 23:44	WG2538916
Trichlorofluoromethane	ND		0.00329	1	06/14/2025 23:44	WG2538916
1,2,3-Trichloropropane	ND		0.0165	1	06/14/2025 23:44	WG2538916
1,2,3-Trimethylbenzene	ND		0.00658	1	06/14/2025 23:44	WG2538916
1,2,4-Trimethylbenzene	ND		0.00658	1	06/14/2025 23:44	WG2538916
1,3,5-Trimethylbenzene	ND		0.00658	1	06/14/2025 23:44	WG2538916
Vinyl chloride	ND		0.00329	1	06/14/2025 23:44	WG2538916
Xylenes, Total	ND		0.132	1	06/14/2025 23:44	WG2538916
(S) Toluene-d8	96.6		75.0-131		06/14/2025 23:44	WG2538916
(S) 4-Bromofluorobenzene	99.4		67.0-138		06/14/2025 23:44	WG2538916
(S) 1,2-Dichloroethane-d4	99.4		70.0-130		06/14/2025 23:44	WG2538916



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	26.0		4.63	1	06/20/2025 14:32	WG2542148
C28-C36 Motor Oil Range	120		4.63	1	06/20/2025 14:32	WG2542148
(S) o-Terphenyl	52.8		18.0-148		06/20/2025 14:32	WG2542148

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		0.0771	2	06/20/2025 16:34	WG2542351
Benzidine	ND	J4	3.87	2	06/20/2025 16:34	WG2542351
Benzo(g,h,i)perylene	ND		0.0771	2	06/20/2025 16:34	WG2542351
Bis(2-chlorethoxy)methane	ND		0.771	2	06/20/2025 16:34	WG2542351
Bis(2-chloroethyl)ether	ND		0.771	2	06/20/2025 16:34	WG2542351
2,2-Oxybis(1-Chloropropane)	ND		0.771	2	06/20/2025 16:34	WG2542351
4-Bromophenyl-phenylether	ND		0.771	2	06/20/2025 16:34	WG2542351
2-Chloronaphthalene	ND		0.0771	2	06/20/2025 16:34	WG2542351
4-Chlorophenyl-phenylether	ND		0.771	2	06/20/2025 16:34	WG2542351
1,2-Dichlorobenzene	ND		0.771	2	06/20/2025 16:34	WG2542351
1,3-Dichlorobenzene	ND		0.771	2	06/20/2025 16:34	WG2542351
1,4-Dichlorobenzene	ND		0.771	2	06/20/2025 16:34	WG2542351
3,3-Dichlorobenzidine	ND		0.771	2	06/20/2025 16:34	WG2542351
2,4-Dinitrotoluene	ND		0.771	2	06/20/2025 16:34	WG2542351
2,6-Dinitrotoluene	ND		0.771	2	06/20/2025 16:34	WG2542351
Hexachlorobenzene	ND		0.771	2	06/20/2025 16:34	WG2542351
Hexachloro-1,3-butadiene	ND		0.771	2	06/20/2025 16:34	WG2542351
Hexachlorocyclopentadiene	ND	C7	0.771	2	06/20/2025 16:34	WG2542351
Hexachloroethane	ND		0.771	2	06/20/2025 16:34	WG2542351
Isophorone	ND		0.771	2	06/20/2025 16:34	WG2542351
Nitrobenzene	ND		0.771	2	06/20/2025 16:34	WG2542351
n-Nitrosodimethylamine	ND	C3	0.771	2	06/20/2025 16:34	WG2542351
n-Nitrosodiphenylamine	ND		0.771	2	06/20/2025 16:34	WG2542351
n-Nitrosodi-n-propylamine	ND		0.771	2	06/20/2025 16:34	WG2542351
Phenanthrene	ND		0.0771	2	06/20/2025 16:34	WG2542351
Benzylbutyl phthalate	ND		0.771	2	06/20/2025 16:34	WG2542351
Bis(2-ethylhexyl)phthalate	ND		0.771	2	06/20/2025 16:34	WG2542351
Di-n-butyl phthalate	ND		0.771	2	06/20/2025 16:34	WG2542351
Diethyl phthalate	ND		0.771	2	06/20/2025 16:34	WG2542351
Dimethyl phthalate	ND		0.771	2	06/20/2025 16:34	WG2542351
Di-n-octyl phthalate	ND		0.771	2	06/20/2025 16:34	WG2542351
1,2,4-Trichlorobenzene	ND		0.771	2	06/20/2025 16:34	WG2542351
4-Chloro-3-methylphenol	ND		0.771	2	06/20/2025 16:34	WG2542351
2-Chlorophenol	ND		0.771	2	06/20/2025 16:34	WG2542351
2,4-Dichlorophenol	ND		0.771	2	06/20/2025 16:34	WG2542351
2,4-Dimethylphenol	ND		0.771	2	06/20/2025 16:34	WG2542351
4,6-Dinitro-2-methylphenol	ND		0.771	2	06/20/2025 16:34	WG2542351
2,4-Dinitrophenol	ND		0.771	2	06/20/2025 16:34	WG2542351
2-Nitrophenol	ND		0.771	2	06/20/2025 16:34	WG2542351
4-Nitrophenol	ND		0.771	2	06/20/2025 16:34	WG2542351
Pentachlorophenol	ND		0.771	2	06/20/2025 16:34	WG2542351
Phenol	ND		0.771	2	06/20/2025 16:34	WG2542351
2,4,6-Trichlorophenol	ND		0.771	2	06/20/2025 16:34	WG2542351
(S) 2-Fluorophenol	63.4		12.0-120		06/20/2025 16:34	WG2542351
(S) Phenol-d5	59.1		10.0-120		06/20/2025 16:34	WG2542351
(S) Nitrobenzene-d5	49.2		10.0-122		06/20/2025 16:34	WG2542351
(S) 2-Fluorobiphenyl	57.8		15.0-120		06/20/2025 16:34	WG2542351
(S) 2,4,6-Tribromophenol	85.8		10.0-127		06/20/2025 16:34	WG2542351
(S) p-Terphenyl-d14	61.5		10.0-120		06/20/2025 16:34	WG2542351

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

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

L1869905-12 WG2542351: 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		0.0382	1	06/21/2025 02:03	WG2542472
Acenaphthene	ND		0.0382	1	06/21/2025 02:03	WG2542472
Acenaphthylene	ND		0.0382	1	06/21/2025 02:03	WG2542472
Benzo(a)anthracene	ND		0.00695	1	06/21/2025 02:03	WG2542472
Benzo(a)pyrene	ND		0.0382	1	06/21/2025 02:03	WG2542472
Benzo(b)fluoranthene	ND	J4	0.0382	1	06/21/2025 02:03	WG2542472
Benzo(g,h,i)perylene	ND		0.0382	1	06/21/2025 02:03	WG2542472
Benzo(k)fluoranthene	ND		0.0382	1	06/21/2025 02:03	WG2542472
Chrysene	ND		0.0382	1	06/21/2025 02:03	WG2542472
Dibenz(a,h)anthracene	ND		0.0382	1	06/21/2025 02:03	WG2542472
Fluoranthene	ND		0.0382	1	06/21/2025 02:03	WG2542472
Fluorene	ND		0.0382	1	06/21/2025 02:03	WG2542472
Indeno(1,2,3-cd)pyrene	ND		0.0382	1	06/21/2025 02:03	WG2542472
Naphthalene	ND		0.00347	1	06/21/2025 02:03	WG2542472
Phenanthrene	ND		0.0382	1	06/21/2025 02:03	WG2542472
Pyrene	ND		0.0382	1	06/21/2025 02:03	WG2542472
1-Methylnaphthalene	ND		0.00347	1	06/21/2025 02:03	WG2542472
2-Methylnaphthalene	ND		0.0139	1	06/21/2025 02:03	WG2542472
(S) p-Terphenyl-d14	117		23.0-120		06/21/2025 02:03	WG2542472
(S) Nitrobenzene-d5	102		14.0-149		06/21/2025 02:03	WG2542472
(S) 2-Fluorobiphenyl	112		34.0-125		06/21/2025 02:03	WG2542472

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	06/15/2025 15:04	WG2539124
Acrolein	ND		0.0500	1	06/15/2025 15:04	WG2539124
Acrylonitrile	ND		0.0100	1	06/15/2025 15:04	WG2539124
Benzene	ND		0.00100	1	06/15/2025 15:04	WG2539124
Bromobenzene	ND		0.00100	1	06/15/2025 15:04	WG2539124
Bromodichloromethane	ND		0.00100	1	06/15/2025 15:04	WG2539124
Bromoform	ND		0.00100	1	06/15/2025 15:04	WG2539124
Bromomethane	ND		0.00500	1	06/15/2025 15:04	WG2539124
n-Butylbenzene	ND		0.00100	1	06/15/2025 15:04	WG2539124
sec-Butylbenzene	ND		0.00100	1	06/15/2025 15:04	WG2539124
tert-Butylbenzene	ND		0.00100	1	06/15/2025 15:04	WG2539124
Carbon tetrachloride	ND		0.00100	1	06/15/2025 15:04	WG2539124
Chlorobenzene	ND		0.00100	1	06/15/2025 15:04	WG2539124
Chlorodibromomethane	ND		0.00100	1	06/15/2025 15:04	WG2539124
Chloroethane	ND		0.00500	1	06/15/2025 15:04	WG2539124
Chloroform	ND		0.00500	1	06/15/2025 15:04	WG2539124
Chloromethane	ND		0.00250	1	06/15/2025 15:04	WG2539124
2-Chlorotoluene	ND		0.00100	1	06/15/2025 15:04	WG2539124
4-Chlorotoluene	ND		0.00100	1	06/15/2025 15:04	WG2539124
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	06/15/2025 15:04	WG2539124
1,2-Dibromoethane	ND		0.00100	1	06/15/2025 15:04	WG2539124
Dibromomethane	ND		0.00100	1	06/15/2025 15:04	WG2539124
1,2-Dichlorobenzene	ND		0.00100	1	06/15/2025 15:04	WG2539124
1,3-Dichlorobenzene	ND		0.00100	1	06/15/2025 15:04	WG2539124
1,4-Dichlorobenzene	ND		0.00100	1	06/15/2025 15:04	WG2539124
Dichlorodifluoromethane	ND		0.00500	1	06/15/2025 15:04	WG2539124
1,1-Dichloroethane	ND		0.00100	1	06/15/2025 15:04	WG2539124
1,2-Dichloroethane	ND		0.00100	1	06/15/2025 15:04	WG2539124
1,1-Dichloroethene	ND		0.00100	1	06/15/2025 15:04	WG2539124
cis-1,2-Dichloroethene	ND		0.00100	1	06/15/2025 15:04	WG2539124
trans-1,2-Dichloroethene	ND		0.00100	1	06/15/2025 15:04	WG2539124
1,2-Dichloropropane	ND		0.00100	1	06/15/2025 15:04	WG2539124
1,1-Dichloropropene	ND		0.00100	1	06/15/2025 15:04	WG2539124
1,3-Dichloropropane	ND		0.00100	1	06/15/2025 15:04	WG2539124
cis-1,3-Dichloropropene	ND		0.00100	1	06/15/2025 15:04	WG2539124
trans-1,3-Dichloropropene	ND		0.00100	1	06/15/2025 15:04	WG2539124
2,2-Dichloropropane	ND		0.00100	1	06/15/2025 15:04	WG2539124
Di-isopropyl ether	ND		0.00100	1	06/15/2025 15:04	WG2539124
Ethylbenzene	ND		0.00100	1	06/15/2025 15:04	WG2539124
Hexachloro-1,3-butadiene	ND		0.00100	1	06/15/2025 15:04	WG2539124
Isopropylbenzene	ND		0.00100	1	06/15/2025 15:04	WG2539124
p-Isopropyltoluene	ND		0.00100	1	06/15/2025 15:04	WG2539124
2-Butanone (MEK)	ND		0.0100	1	06/15/2025 15:04	WG2539124
Methylene Chloride	ND		0.00500	1	06/15/2025 15:04	WG2539124
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	06/15/2025 15:04	WG2539124
Methyl tert-butyl ether	ND		0.00100	1	06/15/2025 15:04	WG2539124
Naphthalene	ND		0.00500	1	06/15/2025 15:04	WG2539124
n-Propylbenzene	ND		0.00100	1	06/15/2025 15:04	WG2539124
Styrene	ND		0.00100	1	06/15/2025 15:04	WG2539124
1,1,1,2-Tetrachloroethane	ND		0.00100	1	06/15/2025 15:04	WG2539124
1,1,2,2-Tetrachloroethane	ND		0.00100	1	06/15/2025 15:04	WG2539124
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	06/15/2025 15:04	WG2539124
Tetrachloroethene	ND		0.00100	1	06/15/2025 15:04	WG2539124
Toluene	ND		0.00100	1	06/15/2025 15:04	WG2539124
1,2,3-Trichlorobenzene	ND		0.00100	1	06/15/2025 15:04	WG2539124
1,2,4-Trichlorobenzene	ND	C3	0.00100	1	06/15/2025 15:04	WG2539124

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00100	1	06/15/2025 15:04	WG2539124
1,1,2-Trichloroethane	ND		0.00100	1	06/15/2025 15:04	WG2539124
Trichloroethene	ND		0.00100	1	06/15/2025 15:04	WG2539124
Trichlorofluoromethane	ND		0.00500	1	06/15/2025 15:04	WG2539124
1,2,3-Trichloropropane	ND		0.00250	1	06/15/2025 15:04	WG2539124
1,2,4-Trimethylbenzene	ND		0.00100	1	06/15/2025 15:04	WG2539124
1,2,3-Trimethylbenzene	ND		0.00100	1	06/15/2025 15:04	WG2539124
1,3,5-Trimethylbenzene	ND		0.00100	1	06/15/2025 15:04	WG2539124
Vinyl chloride	ND		0.00100	1	06/15/2025 15:04	WG2539124
Xylenes, Total	ND		0.00300	1	06/15/2025 15:04	WG2539124
(S) Toluene-d8	101		80.0-120		06/15/2025 15:04	WG2539124
(S) 4-Bromofluorobenzene	99.9		77.0-126		06/15/2025 15:04	WG2539124
(S) 1,2-Dichloroethane-d4	102		70.0-130		06/15/2025 15:04	WG2539124

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.450		1	06/20/2025 15:47	WG2541748

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	4290		26.6	1	06/21/2025 14:05	WG2539012

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	75.3		1	06/14/2025 20:16	WG2538881

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		13.3	1	06/18/2025 13:13	WG2539507

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	4280		133	5	06/21/2025 14:05	WG2542884

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.266	1	06/26/2025 18:33	WG2539253

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.66		1	06/21/2025 09:10	WG2542972

Sample Narrative:

L1869905-14 WG2542972: 7.66 at 22.5C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	890	umhos/cm		10.0	1	06/24/2025 20:30	WG2543008

Sample Narrative:

L1869905-14 WG2543008: 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		26.6	1	06/15/2025 13:57	WG2539012

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	38100		1800	18	06/18/2025 17:46	WG2539188



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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.70		0.200	1	06/22/2025 01:58	WG2543425

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	4850		26.6	1	06/17/2025 09:24	WG2539349
Antimony	ND		2.66	1	06/17/2025 09:24	WG2539349
Beryllium	0.330		0.266	1	06/17/2025 09:24	WG2539349
Calcium	5690		133	1	06/17/2025 09:24	WG2539349
Chromium	5.24		1.33	1	06/17/2025 09:24	WG2539349
Cobalt	3.48		1.33	1	06/17/2025 09:24	WG2539349
Iron	7500		13.3	1	06/17/2025 09:24	WG2539349
Magnesium	2080		133	1	06/17/2025 09:24	WG2539349
Manganese	210		1.33	1	06/17/2025 09:24	WG2539349
Potassium	2570		133	1	06/17/2025 09:24	WG2539349
Sodium	ND		133	1	06/17/2025 09:24	WG2539349
Thallium	ND		2.66	1	06/17/2025 09:24	WG2539349
Vanadium	12.5		2.66	1	06/17/2025 09:24	WG2539349

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.14		0.133	5	06/24/2025 02:26	WG2544947
Barium	84.2		13.3	5	06/24/2025 02:26	WG2544947
Cadmium	0.253		0.133	5	06/24/2025 02:26	WG2544947
Copper	ND		13.3	5	06/24/2025 02:26	WG2544947
Lead	ND		13.3	5	06/24/2025 02:26	WG2544947
Nickel	ND		13.3	5	06/24/2025 02:26	WG2544947
Selenium	0.513		0.133	5	06/24/2025 02:26	WG2544947
Silver	ND		0.664	5	06/24/2025 02:26	WG2544947
Zinc	ND		66.4	5	06/24/2025 02:26	WG2544947

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		4.14	25	06/15/2025 07:58	WG2538927
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	99.0		77.0-120		06/15/2025 07:58	WG2538927

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0828	1	06/15/2025 00:03	WG2538916
Acrylonitrile	ND		0.0207	1	06/15/2025 00:03	WG2538916
Benzene	ND		0.00166	1	06/15/2025 00:03	WG2538916
Bromobenzene	ND		0.0207	1	06/15/2025 00:03	WG2538916
Bromodichloromethane	ND		0.00414	1	06/15/2025 00:03	WG2538916
Bromoform	ND		0.0414	1	06/15/2025 00:03	WG2538916
Bromomethane	ND	C3	0.0207	1	06/15/2025 00:03	WG2538916
n-Butylbenzene	ND		0.0207	1	06/15/2025 00:03	WG2538916
sec-Butylbenzene	ND		0.0207	1	06/15/2025 00:03	WG2538916
tert-Butylbenzene	ND		0.00828	1	06/15/2025 00:03	WG2538916
Carbon tetrachloride	ND		0.00828	1	06/15/2025 00:03	WG2538916
Chlorobenzene	ND		0.00414	1	06/15/2025 00:03	WG2538916
Chlorodibromomethane	ND		0.00414	1	06/15/2025 00:03	WG2538916



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	C3 J3	0.00828	1	06/15/2025 00:03	WG2538916
Chloroform	ND		0.00414	1	06/15/2025 00:03	WG2538916
Chloromethane	ND		0.0207	1	06/15/2025 00:03	WG2538916
2-Chlorotoluene	ND		0.00414	1	06/15/2025 00:03	WG2538916
4-Chlorotoluene	ND		0.00828	1	06/15/2025 00:03	WG2538916
1,2-Dibromo-3-Chloropropane	ND		0.0414	1	06/15/2025 00:03	WG2538916
1,2-Dibromoethane	ND		0.00414	1	06/15/2025 00:03	WG2538916
Dibromomethane	ND		0.00828	1	06/15/2025 00:03	WG2538916
1,2-Dichlorobenzene	ND		0.00828	1	06/15/2025 00:03	WG2538916
1,3-Dichlorobenzene	ND		0.00828	1	06/15/2025 00:03	WG2538916
1,4-Dichlorobenzene	ND		0.00828	1	06/15/2025 00:03	WG2538916
Dichlorodifluoromethane	ND		0.00828	1	06/15/2025 00:03	WG2538916
1,1-Dichloroethane	ND		0.00414	1	06/15/2025 00:03	WG2538916
1,2-Dichloroethane	ND		0.00414	1	06/15/2025 00:03	WG2538916
1,1-Dichloroethene	ND		0.00414	1	06/15/2025 00:03	WG2538916
cis-1,2-Dichloroethene	ND		0.00414	1	06/15/2025 00:03	WG2538916
trans-1,2-Dichloroethene	ND		0.00828	1	06/15/2025 00:03	WG2538916
1,2-Dichloropropane	ND		0.00828	1	06/15/2025 00:03	WG2538916
1,1-Dichloropropene	ND		0.00414	1	06/15/2025 00:03	WG2538916
1,3-Dichloropropane	ND		0.00828	1	06/15/2025 00:03	WG2538916
cis-1,3-Dichloropropene	ND		0.00414	1	06/15/2025 00:03	WG2538916
trans-1,3-Dichloropropene	ND		0.00828	1	06/15/2025 00:03	WG2538916
2,2-Dichloropropane	ND	C3	0.00414	1	06/15/2025 00:03	WG2538916
Di-isopropyl ether	ND		0.00166	1	06/15/2025 00:03	WG2538916
Ethylbenzene	ND		0.0166	1	06/15/2025 00:03	WG2538916
Hexachloro-1,3-butadiene	ND	C3	0.0414	1	06/15/2025 00:03	WG2538916
Isopropylbenzene	ND		0.00414	1	06/15/2025 00:03	WG2538916
p-Isopropyltoluene	ND		0.00828	1	06/15/2025 00:03	WG2538916
2-Butanone (MEK)	ND	J3 J4	0.166	1	06/15/2025 00:03	WG2538916
Methylene Chloride	ND		0.0414	1	06/15/2025 00:03	WG2538916
4-Methyl-2-pentanone (MIBK)	ND		0.0414	1	06/15/2025 00:03	WG2538916
Methyl tert-butyl ether	ND		0.00166	1	06/15/2025 00:03	WG2538916
n-Propylbenzene	ND		0.00828	1	06/15/2025 00:03	WG2538916
Styrene	ND		0.0207	1	06/15/2025 00:03	WG2538916
1,1,1,2-Tetrachloroethane	ND		0.00414	1	06/15/2025 00:03	WG2538916
1,1,2,2-Tetrachloroethane	ND		0.00414	1	06/15/2025 00:03	WG2538916
1,1,2-Trichlorotrifluoroethane	ND		0.00414	1	06/15/2025 00:03	WG2538916
Tetrachloroethene	ND		0.00414	1	06/15/2025 00:03	WG2538916
Toluene	ND		0.0166	1	06/15/2025 00:03	WG2538916
1,2,3-Trichlorobenzene	ND	C3	0.0207	1	06/15/2025 00:03	WG2538916
1,2,4-Trichlorobenzene	ND	C3	0.0207	1	06/15/2025 00:03	WG2538916
1,1,1-Trichloroethane	ND		0.00414	1	06/15/2025 00:03	WG2538916
1,1,2-Trichloroethane	ND		0.00414	1	06/15/2025 00:03	WG2538916
Trichloroethene	ND		0.00166	1	06/15/2025 00:03	WG2538916
Trichlorofluoromethane	ND		0.00414	1	06/15/2025 00:03	WG2538916
1,2,3-Trichloropropane	ND		0.0207	1	06/15/2025 00:03	WG2538916
1,2,3-Trimethylbenzene	ND		0.00828	1	06/15/2025 00:03	WG2538916
1,2,4-Trimethylbenzene	ND		0.00828	1	06/15/2025 00:03	WG2538916
1,3,5-Trimethylbenzene	ND		0.00828	1	06/15/2025 00:03	WG2538916
Vinyl chloride	ND		0.00414	1	06/15/2025 00:03	WG2538916
Xylenes, Total	ND		0.166	1	06/15/2025 00:03	WG2538916
(S) Toluene-d8	100		75.0-131		06/15/2025 00:03	WG2538916
(S) 4-Bromofluorobenzene	92.8		67.0-138		06/15/2025 00:03	WG2538916
(S) 1,2-Dichloroethane-d4	99.5		70.0-130		06/15/2025 00:03	WG2538916



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	13.5		5.31	1	06/20/2025 11:58	WG2542148
C28-C36 Motor Oil Range	59.2		5.31	1	06/20/2025 11:58	WG2542148
(S) o-Terphenyl	54.3		18.0-148		06/20/2025 11:58	WG2542148

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		0.0884	2	06/20/2025 16:57	WG2542351
Benzidine	ND	J4	4.43	2	06/20/2025 16:57	WG2542351
Benzo(g,h,i)perylene	ND		0.0884	2	06/20/2025 16:57	WG2542351
Bis(2-chlorethoxy)methane	ND		0.884	2	06/20/2025 16:57	WG2542351
Bis(2-chloroethyl)ether	ND		0.884	2	06/20/2025 16:57	WG2542351
2,2-Oxybis(1-Chloropropane)	ND		0.884	2	06/20/2025 16:57	WG2542351
4-Bromophenyl-phenylether	ND		0.884	2	06/20/2025 16:57	WG2542351
2-Chloronaphthalene	ND		0.0884	2	06/20/2025 16:57	WG2542351
4-Chlorophenyl-phenylether	ND		0.884	2	06/20/2025 16:57	WG2542351
1,2-Dichlorobenzene	ND		0.884	2	06/20/2025 16:57	WG2542351
1,3-Dichlorobenzene	ND		0.884	2	06/20/2025 16:57	WG2542351
1,4-Dichlorobenzene	ND		0.884	2	06/20/2025 16:57	WG2542351
3,3-Dichlorobenzidine	ND		0.884	2	06/20/2025 16:57	WG2542351
2,4-Dinitrotoluene	ND		0.884	2	06/20/2025 16:57	WG2542351
2,6-Dinitrotoluene	ND		0.884	2	06/20/2025 16:57	WG2542351
Hexachlorobenzene	ND		0.884	2	06/20/2025 16:57	WG2542351
Hexachloro-1,3-butadiene	ND		0.884	2	06/20/2025 16:57	WG2542351
Hexachlorocyclopentadiene	ND	C7	0.884	2	06/20/2025 16:57	WG2542351
Hexachloroethane	ND		0.884	2	06/20/2025 16:57	WG2542351
Isophorone	ND		0.884	2	06/20/2025 16:57	WG2542351
Nitrobenzene	ND		0.884	2	06/20/2025 16:57	WG2542351
n-Nitrosodimethylamine	ND	C3	0.884	2	06/20/2025 16:57	WG2542351
n-Nitrosodiphenylamine	ND		0.884	2	06/20/2025 16:57	WG2542351
n-Nitrosodi-n-propylamine	ND		0.884	2	06/20/2025 16:57	WG2542351
Phenanthrene	ND		0.0884	2	06/20/2025 16:57	WG2542351
Benzylbutyl phthalate	ND		0.884	2	06/20/2025 16:57	WG2542351
Bis(2-ethylhexyl)phthalate	ND		0.884	2	06/20/2025 16:57	WG2542351
Di-n-butyl phthalate	ND		0.884	2	06/20/2025 16:57	WG2542351
Diethyl phthalate	ND		0.884	2	06/20/2025 16:57	WG2542351
Dimethyl phthalate	ND		0.884	2	06/20/2025 16:57	WG2542351
Di-n-octyl phthalate	ND		0.884	2	06/20/2025 16:57	WG2542351
1,2,4-Trichlorobenzene	ND		0.884	2	06/20/2025 16:57	WG2542351
4-Chloro-3-methylphenol	ND		0.884	2	06/20/2025 16:57	WG2542351
2-Chlorophenol	ND		0.884	2	06/20/2025 16:57	WG2542351
2,4-Dichlorophenol	ND		0.884	2	06/20/2025 16:57	WG2542351
2,4-Dimethylphenol	ND		0.884	2	06/20/2025 16:57	WG2542351
4,6-Dinitro-2-methylphenol	ND		0.884	2	06/20/2025 16:57	WG2542351
2,4-Dinitrophenol	ND		0.884	2	06/20/2025 16:57	WG2542351
2-Nitrophenol	ND		0.884	2	06/20/2025 16:57	WG2542351
4-Nitrophenol	ND		0.884	2	06/20/2025 16:57	WG2542351
Pentachlorophenol	ND		0.884	2	06/20/2025 16:57	WG2542351
Phenol	ND		0.884	2	06/20/2025 16:57	WG2542351
2,4,6-Trichlorophenol	ND		0.884	2	06/20/2025 16:57	WG2542351
(S) 2-Fluorophenol	59.4		12.0-120		06/20/2025 16:57	WG2542351
(S) Phenol-d5	55.9		10.0-120		06/20/2025 16:57	WG2542351
(S) Nitrobenzene-d5	50.8		10.0-122		06/20/2025 16:57	WG2542351
(S) 2-Fluorobiphenyl	53.6		15.0-120		06/20/2025 16:57	WG2542351
(S) 2,4,6-Tribromophenol	77.5		10.0-127		06/20/2025 16:57	WG2542351
(S) p-Terphenyl-d14	57.6		10.0-120		06/20/2025 16:57	WG2542351



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

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

L1869905-14 WG2542351: 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		0.0438	1	06/21/2025 02:23	WG2542472
Acenaphthene	ND		0.0438	1	06/21/2025 02:23	WG2542472
Acenaphthylene	ND		0.0438	1	06/21/2025 02:23	WG2542472
Benzo(a)anthracene	ND		0.00797	1	06/21/2025 02:23	WG2542472
Benzo(a)pyrene	ND		0.0438	1	06/21/2025 02:23	WG2542472
Benzo(b)fluoranthene	ND	J4	0.0438	1	06/21/2025 02:23	WG2542472
Benzo(g,h,i)perylene	ND		0.0438	1	06/21/2025 02:23	WG2542472
Benzo(k)fluoranthene	ND		0.0438	1	06/21/2025 02:23	WG2542472
Chrysene	ND		0.0438	1	06/21/2025 02:23	WG2542472
Dibenz(a,h)anthracene	ND		0.0438	1	06/21/2025 02:23	WG2542472
Fluoranthene	ND		0.0438	1	06/21/2025 02:23	WG2542472
Fluorene	ND		0.0438	1	06/21/2025 02:23	WG2542472
Indeno(1,2,3-cd)pyrene	ND		0.0438	1	06/21/2025 02:23	WG2542472
Naphthalene	ND		0.00398	1	06/21/2025 02:23	WG2542472
Phenanthrene	ND		0.0438	1	06/21/2025 02:23	WG2542472
Pyrene	ND		0.0438	1	06/21/2025 02:23	WG2542472
1-Methylnaphthalene	ND		0.00398	1	06/21/2025 02:23	WG2542472
2-Methylnaphthalene	ND		0.0159	1	06/21/2025 02:23	WG2542472
(S) p-Terphenyl-d14	81.7		23.0-120		06/21/2025 02:23	WG2542472
(S) Nitrobenzene-d5	82.4		14.0-149		06/21/2025 02:23	WG2542472
(S) 2-Fluorobiphenyl	83.9		34.0-125		06/21/2025 02:23	WG2542472

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.405		1	06/20/2025 15:49	WG2541748

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	2890		22.4	1	06/21/2025 14:06	WG2539012

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.1		1	06/14/2025 20:16	WG2538881

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11.2	1	06/18/2025 13:15	WG2539507

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	2830		112	5	06/21/2025 14:06	WG2542884

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.224	1	06/26/2025 19:00	WG2539253

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.40		1	06/21/2025 09:10	WG2542972

Sample Narrative:
L1869905-15 WG2542972: 7.4 at 22.4C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	930	umhos/cm		10.0	1	06/24/2025 20:30	WG2543008

Sample Narrative:
L1869905-15 WG2543008: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	57.3		22.4	1	06/15/2025 14:11	WG2539012

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	24900		1000	10	06/18/2025 17:47	WG2539188

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.13		0.200	1	06/22/2025 01:18	WG2541796

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	7480		22.4	1	06/17/2025 09:26	WG2539349
Antimony	ND		2.24	1	06/17/2025 09:26	WG2539349
Beryllium	0.462		0.224	1	06/17/2025 09:26	WG2539349
Calcium	6830		112	1	06/17/2025 09:26	WG2539349
Chromium	8.15		1.12	1	06/17/2025 09:26	WG2539349
Cobalt	4.42		1.12	1	06/17/2025 09:26	WG2539349
Iron	11400		11.2	1	06/17/2025 09:26	WG2539349
Magnesium	2580		112	1	06/17/2025 09:26	WG2539349
Manganese	238		1.12	1	06/17/2025 09:26	WG2539349
Potassium	2680		112	1	06/17/2025 09:26	WG2539349
Sodium	ND		112	1	06/17/2025 09:26	WG2539349
Thallium	ND		2.24	1	06/17/2025 09:26	WG2539349
Vanadium	18.6		2.24	1	06/17/2025 09:26	WG2539349

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.90		0.112	5	06/17/2025 17:21	WG2539358
Barium	72.0		11.2	5	06/17/2025 17:21	WG2539358
Cadmium	0.222		0.112	5	06/17/2025 17:21	WG2539358
Copper	ND		11.2	5	06/17/2025 17:21	WG2539358
Lead	ND		11.2	5	06/17/2025 17:21	WG2539358
Nickel	ND		11.2	5	06/17/2025 17:21	WG2539358
Selenium	0.474		0.112	5	06/17/2025 17:21	WG2539358
Silver	ND		0.561	5	06/17/2025 17:21	WG2539358
Zinc	ND		56.1	5	06/17/2025 17:21	WG2539358

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		3.11	25	06/15/2025 08:21	WG2538927
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	99.2		77.0-120		06/15/2025 08:21	WG2538927

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0622	1	06/15/2025 00:23	WG2538916
Acrylonitrile	ND		0.0156	1	06/15/2025 00:23	WG2538916
Benzene	ND		0.00124	1	06/15/2025 00:23	WG2538916
Bromobenzene	ND		0.0156	1	06/15/2025 00:23	WG2538916
Bromodichloromethane	ND		0.00311	1	06/15/2025 00:23	WG2538916
Bromoform	ND		0.0311	1	06/15/2025 00:23	WG2538916
Bromomethane	ND	C3	0.0156	1	06/15/2025 00:23	WG2538916
n-Butylbenzene	ND		0.0156	1	06/15/2025 00:23	WG2538916
sec-Butylbenzene	ND		0.0156	1	06/15/2025 00:23	WG2538916
tert-Butylbenzene	ND		0.00622	1	06/15/2025 00:23	WG2538916
Carbon tetrachloride	ND		0.00622	1	06/15/2025 00:23	WG2538916
Chlorobenzene	ND		0.00311	1	06/15/2025 00:23	WG2538916
Chlorodibromomethane	ND		0.00311	1	06/15/2025 00:23	WG2538916



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	C3 J3	0.00622	1	06/15/2025 00:23	WG2538916
Chloroform	ND		0.00311	1	06/15/2025 00:23	WG2538916
Chloromethane	ND		0.0156	1	06/15/2025 00:23	WG2538916
2-Chlorotoluene	ND		0.00311	1	06/15/2025 00:23	WG2538916
4-Chlorotoluene	ND		0.00622	1	06/15/2025 00:23	WG2538916
1,2-Dibromo-3-Chloropropane	ND		0.0311	1	06/15/2025 00:23	WG2538916
1,2-Dibromoethane	ND		0.00311	1	06/15/2025 00:23	WG2538916
Dibromomethane	ND		0.00622	1	06/15/2025 00:23	WG2538916
1,2-Dichlorobenzene	ND		0.00622	1	06/15/2025 00:23	WG2538916
1,3-Dichlorobenzene	ND		0.00622	1	06/15/2025 00:23	WG2538916
1,4-Dichlorobenzene	ND		0.00622	1	06/15/2025 00:23	WG2538916
Dichlorodifluoromethane	ND		0.00622	1	06/15/2025 00:23	WG2538916
1,1-Dichloroethane	ND		0.00311	1	06/15/2025 00:23	WG2538916
1,2-Dichloroethane	ND		0.00311	1	06/15/2025 00:23	WG2538916
1,1-Dichloroethene	ND		0.00311	1	06/15/2025 00:23	WG2538916
cis-1,2-Dichloroethene	ND		0.00311	1	06/15/2025 00:23	WG2538916
trans-1,2-Dichloroethene	ND		0.00622	1	06/15/2025 00:23	WG2538916
1,2-Dichloropropane	ND		0.00622	1	06/15/2025 00:23	WG2538916
1,1-Dichloropropene	ND		0.00311	1	06/15/2025 00:23	WG2538916
1,3-Dichloropropane	ND		0.00622	1	06/15/2025 00:23	WG2538916
cis-1,3-Dichloropropene	ND		0.00311	1	06/15/2025 00:23	WG2538916
trans-1,3-Dichloropropene	ND		0.00622	1	06/15/2025 00:23	WG2538916
2,2-Dichloropropane	ND	C3	0.00311	1	06/15/2025 00:23	WG2538916
Di-isopropyl ether	ND		0.00124	1	06/15/2025 00:23	WG2538916
Ethylbenzene	ND		0.0124	1	06/15/2025 00:23	WG2538916
Hexachloro-1,3-butadiene	ND	C3	0.0311	1	06/15/2025 00:23	WG2538916
Isopropylbenzene	ND		0.00311	1	06/15/2025 00:23	WG2538916
p-Isopropyltoluene	ND		0.00622	1	06/15/2025 00:23	WG2538916
2-Butanone (MEK)	ND	J3 J4	0.124	1	06/15/2025 00:23	WG2538916
Methylene Chloride	ND		0.0311	1	06/15/2025 00:23	WG2538916
4-Methyl-2-pentanone (MIBK)	ND		0.0311	1	06/15/2025 00:23	WG2538916
Methyl tert-butyl ether	ND		0.00124	1	06/15/2025 00:23	WG2538916
n-Propylbenzene	ND		0.00622	1	06/15/2025 00:23	WG2538916
Styrene	ND		0.0156	1	06/15/2025 00:23	WG2538916
1,1,1,2-Tetrachloroethane	ND		0.00311	1	06/15/2025 00:23	WG2538916
1,1,2,2-Tetrachloroethane	ND		0.00311	1	06/15/2025 00:23	WG2538916
1,1,2-Trichlorotrifluoroethane	ND		0.00311	1	06/15/2025 00:23	WG2538916
Tetrachloroethene	ND		0.00311	1	06/15/2025 00:23	WG2538916
Toluene	ND		0.0124	1	06/15/2025 00:23	WG2538916
1,2,3-Trichlorobenzene	ND	C3	0.0156	1	06/15/2025 00:23	WG2538916
1,2,4-Trichlorobenzene	ND	C3	0.0156	1	06/15/2025 00:23	WG2538916
1,1,1-Trichloroethane	ND		0.00311	1	06/15/2025 00:23	WG2538916
1,1,2-Trichloroethane	ND		0.00311	1	06/15/2025 00:23	WG2538916
Trichloroethene	ND		0.00124	1	06/15/2025 00:23	WG2538916
Trichlorofluoromethane	ND		0.00311	1	06/15/2025 00:23	WG2538916
1,2,3-Trichloropropane	ND		0.0156	1	06/15/2025 00:23	WG2538916
1,2,3-Trimethylbenzene	ND		0.00622	1	06/15/2025 00:23	WG2538916
1,2,4-Trimethylbenzene	ND		0.00622	1	06/15/2025 00:23	WG2538916
1,3,5-Trimethylbenzene	ND		0.00622	1	06/15/2025 00:23	WG2538916
Vinyl chloride	ND		0.00311	1	06/15/2025 00:23	WG2538916
Xylenes, Total	ND		0.124	1	06/15/2025 00:23	WG2538916
(S) Toluene-d8	100		75.0-131		06/15/2025 00:23	WG2538916
(S) 4-Bromofluorobenzene	91.9		67.0-138		06/15/2025 00:23	WG2538916
(S) 1,2-Dichloroethane-d4	105		70.0-130		06/15/2025 00:23	WG2538916



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	30.2		4.49	1	06/20/2025 14:32	WG2542148
C28-C36 Motor Oil Range	165		4.49	1	06/20/2025 14:32	WG2542148
(S) o-Terphenyl	78.4		18.0-148		06/20/2025 14:32	WG2542148

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		0.0747	2	06/20/2025 02:51	WG2542351
Benzidine	ND	J4	3.75	2	06/20/2025 02:51	WG2542351
Benzo(g,h,i)perylene	ND		0.0747	2	06/20/2025 02:51	WG2542351
Bis(2-chlorethoxy)methane	ND		0.747	2	06/20/2025 02:51	WG2542351
Bis(2-chloroethyl)ether	ND		0.747	2	06/20/2025 02:51	WG2542351
2,2-Oxybis(1-Chloropropane)	ND		0.747	2	06/20/2025 02:51	WG2542351
4-Bromophenyl-phenylether	ND		0.747	2	06/20/2025 02:51	WG2542351
2-Chloronaphthalene	ND		0.0747	2	06/20/2025 02:51	WG2542351
4-Chlorophenyl-phenylether	ND		0.747	2	06/20/2025 02:51	WG2542351
1,2-Dichlorobenzene	ND		0.747	2	06/20/2025 02:51	WG2542351
1,3-Dichlorobenzene	ND		0.747	2	06/20/2025 02:51	WG2542351
1,4-Dichlorobenzene	ND		0.747	2	06/20/2025 02:51	WG2542351
3,3-Dichlorobenzidine	ND		0.747	2	06/20/2025 02:51	WG2542351
2,4-Dinitrotoluene	ND		0.747	2	06/20/2025 02:51	WG2542351
2,6-Dinitrotoluene	ND		0.747	2	06/20/2025 02:51	WG2542351
Hexachlorobenzene	ND		0.747	2	06/20/2025 02:51	WG2542351
Hexachloro-1,3-butadiene	ND		0.747	2	06/20/2025 02:51	WG2542351
Hexachlorocyclopentadiene	ND	C3 C7	0.747	2	06/20/2025 02:51	WG2542351
Hexachloroethane	ND		0.747	2	06/20/2025 02:51	WG2542351
Isophorone	ND		0.747	2	06/20/2025 02:51	WG2542351
Nitrobenzene	ND		0.747	2	06/20/2025 02:51	WG2542351
n-Nitrosodimethylamine	ND		0.747	2	06/20/2025 02:51	WG2542351
n-Nitrosodiphenylamine	ND		0.747	2	06/20/2025 02:51	WG2542351
n-Nitrosodi-n-propylamine	ND		0.747	2	06/20/2025 02:51	WG2542351
Phenanthrene	ND		0.0747	2	06/20/2025 02:51	WG2542351
Benzylbutyl phthalate	ND		0.747	2	06/20/2025 02:51	WG2542351
Bis(2-ethylhexyl)phthalate	ND		0.747	2	06/20/2025 02:51	WG2542351
Di-n-butyl phthalate	ND		0.747	2	06/20/2025 02:51	WG2542351
Diethyl phthalate	ND		0.747	2	06/20/2025 02:51	WG2542351
Dimethyl phthalate	ND		0.747	2	06/20/2025 02:51	WG2542351
Di-n-octyl phthalate	ND		0.747	2	06/20/2025 02:51	WG2542351
1,2,4-Trichlorobenzene	ND		0.747	2	06/20/2025 02:51	WG2542351
4-Chloro-3-methylphenol	ND		0.747	2	06/20/2025 02:51	WG2542351
2-Chlorophenol	ND		0.747	2	06/20/2025 02:51	WG2542351
2,4-Dichlorophenol	ND		0.747	2	06/20/2025 02:51	WG2542351
2,4-Dimethylphenol	ND		0.747	2	06/20/2025 02:51	WG2542351
4,6-Dinitro-2-methylphenol	ND		0.747	2	06/20/2025 02:51	WG2542351
2,4-Dinitrophenol	ND		0.747	2	06/20/2025 02:51	WG2542351
2-Nitrophenol	ND		0.747	2	06/20/2025 02:51	WG2542351
4-Nitrophenol	ND		0.747	2	06/20/2025 02:51	WG2542351
Pentachlorophenol	ND	C3	0.747	2	06/20/2025 02:51	WG2542351
Phenol	ND		0.747	2	06/20/2025 02:51	WG2542351
2,4,6-Trichlorophenol	ND		0.747	2	06/20/2025 02:51	WG2542351
(S) 2-Fluorophenol	64.1		12.0-120		06/20/2025 02:51	WG2542351
(S) Phenol-d5	52.0		10.0-120		06/20/2025 02:51	WG2542351
(S) Nitrobenzene-d5	59.6		10.0-122		06/20/2025 02:51	WG2542351
(S) 2-Fluorobiphenyl	58.0		15.0-120		06/20/2025 02:51	WG2542351
(S) 2,4,6-Tribromophenol	67.8		10.0-127		06/20/2025 02:51	WG2542351
(S) p-Terphenyl-d14	58.6		10.0-120		06/20/2025 02:51	WG2542351



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

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

L1869905-15 WG2542351: 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		0.0370	1	06/21/2025 02:42	WG2542472
Acenaphthene	ND		0.0370	1	06/21/2025 02:42	WG2542472
Acenaphthylene	ND		0.0370	1	06/21/2025 02:42	WG2542472
Benzo(a)anthracene	ND		0.00673	1	06/21/2025 02:42	WG2542472
Benzo(a)pyrene	ND		0.0370	1	06/21/2025 02:42	WG2542472
Benzo(b)fluoranthene	ND	J4	0.0370	1	06/21/2025 02:42	WG2542472
Benzo(g,h,i)perylene	ND		0.0370	1	06/21/2025 02:42	WG2542472
Benzo(k)fluoranthene	ND		0.0370	1	06/21/2025 02:42	WG2542472
Chrysene	ND		0.0370	1	06/21/2025 02:42	WG2542472
Dibenz(a,h)anthracene	ND		0.0370	1	06/21/2025 02:42	WG2542472
Fluoranthene	ND		0.0370	1	06/21/2025 02:42	WG2542472
Fluorene	ND		0.0370	1	06/21/2025 02:42	WG2542472
Indeno(1,2,3-cd)pyrene	ND		0.0370	1	06/21/2025 02:42	WG2542472
Naphthalene	ND		0.00337	1	06/21/2025 02:42	WG2542472
Phenanthrene	ND		0.0370	1	06/21/2025 02:42	WG2542472
Pyrene	ND		0.0370	1	06/21/2025 02:42	WG2542472
1-Methylnaphthalene	ND		0.00337	1	06/21/2025 02:42	WG2542472
2-Methylnaphthalene	ND		0.0135	1	06/21/2025 02:42	WG2542472
(S) p-Terphenyl-d14	104		23.0-120		06/21/2025 02:42	WG2542472
(S) Nitrobenzene-d5	98.9		14.0-149		06/21/2025 02:42	WG2542472
(S) 2-Fluorobiphenyl	105		34.0-125		06/21/2025 02:42	WG2542472

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.249		1	06/20/2025 15:51	WG2541748

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	3110		29.2	1	06/21/2025 14:08	WG2539012

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	68.4		1	06/14/2025 20:16	WG2538881

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		14.6	1	06/18/2025 13:17	WG2539507

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	3100		146	5	06/21/2025 14:08	WG2542884

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.292	1	06/26/2025 19:09	WG2539253

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.55		1	06/21/2025 09:10	WG2542972

Sample Narrative:
L1869905-16 WG2542972: 7.55 at 22.5C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	932	umhos/cm		10.0	1	06/24/2025 20:30	WG2543008

Sample Narrative:
L1869905-16 WG2543008: 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		29.2	1	06/15/2025 14:24	WG2539012

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	14300		1000	10	06/18/2025 17:48	WG2539188

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.05		0.200	1	06/22/2025 01:20	WG2541796

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	8120		29.2	1	06/17/2025 09:27	WG2539349
Antimony	ND		2.92	1	06/17/2025 09:27	WG2539349
Beryllium	0.426		0.292	1	06/17/2025 09:27	WG2539349
Calcium	6390		146	1	06/17/2025 09:27	WG2539349
Chromium	7.91		1.46	1	06/17/2025 09:27	WG2539349
Cobalt	4.06		1.46	1	06/17/2025 09:27	WG2539349
Iron	10700		14.6	1	06/17/2025 09:27	WG2539349
Magnesium	2740		146	1	06/17/2025 09:27	WG2539349
Manganese	259		1.46	1	06/17/2025 09:27	WG2539349
Potassium	3150		146	1	06/17/2025 09:27	WG2539349
Sodium	ND		146	1	06/17/2025 09:27	WG2539349
Thallium	ND		2.92	1	06/17/2025 09:27	WG2539349
Vanadium	18.5		2.92	1	06/17/2025 09:27	WG2539349

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.16		0.146	5	06/17/2025 17:24	WG2539358
Barium	79.1		14.6	5	06/17/2025 17:24	WG2539358
Cadmium	0.232		0.146	5	06/17/2025 17:24	WG2539358
Copper	ND		14.6	5	06/17/2025 17:24	WG2539358
Lead	ND		14.6	5	06/17/2025 17:24	WG2539358
Nickel	ND		14.6	5	06/17/2025 17:24	WG2539358
Selenium	0.413		0.146	5	06/17/2025 17:24	WG2539358
Silver	ND		0.731	5	06/17/2025 17:24	WG2539358
Zinc	ND		73.1	5	06/17/2025 17:24	WG2539358

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		4.81	25	06/15/2025 08:44	WG2538927
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	99.6		77.0-120		06/15/2025 08:44	WG2538927

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0962	1	06/15/2025 00:42	WG2538916
Acrylonitrile	ND		0.0241	1	06/15/2025 00:42	WG2538916
Benzene	ND		0.00192	1	06/15/2025 00:42	WG2538916
Bromobenzene	ND		0.0241	1	06/15/2025 00:42	WG2538916
Bromodichloromethane	ND		0.00481	1	06/15/2025 00:42	WG2538916
Bromoform	ND		0.0481	1	06/15/2025 00:42	WG2538916
Bromomethane	ND	C3	0.0241	1	06/15/2025 00:42	WG2538916
n-Butylbenzene	ND		0.0241	1	06/15/2025 00:42	WG2538916
sec-Butylbenzene	ND		0.0241	1	06/15/2025 00:42	WG2538916
tert-Butylbenzene	ND		0.00962	1	06/15/2025 00:42	WG2538916
Carbon tetrachloride	ND		0.00962	1	06/15/2025 00:42	WG2538916
Chlorobenzene	ND		0.00481	1	06/15/2025 00:42	WG2538916
Chlorodibromomethane	ND		0.00481	1	06/15/2025 00:42	WG2538916



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	C3 J3	0.00962	1	06/15/2025 00:42	WG2538916
Chloroform	ND		0.00481	1	06/15/2025 00:42	WG2538916
Chloromethane	ND		0.0241	1	06/15/2025 00:42	WG2538916
2-Chlorotoluene	ND		0.00481	1	06/15/2025 00:42	WG2538916
4-Chlorotoluene	ND		0.00962	1	06/15/2025 00:42	WG2538916
1,2-Dibromo-3-Chloropropane	ND		0.0481	1	06/15/2025 00:42	WG2538916
1,2-Dibromoethane	ND		0.00481	1	06/15/2025 00:42	WG2538916
Dibromomethane	ND		0.00962	1	06/15/2025 00:42	WG2538916
1,2-Dichlorobenzene	ND		0.00962	1	06/15/2025 00:42	WG2538916
1,3-Dichlorobenzene	ND		0.00962	1	06/15/2025 00:42	WG2538916
1,4-Dichlorobenzene	ND		0.00962	1	06/15/2025 00:42	WG2538916
Dichlorodifluoromethane	ND		0.00962	1	06/15/2025 00:42	WG2538916
1,1-Dichloroethane	ND		0.00481	1	06/15/2025 00:42	WG2538916
1,2-Dichloroethane	ND		0.00481	1	06/15/2025 00:42	WG2538916
1,1-Dichloroethene	ND		0.00481	1	06/15/2025 00:42	WG2538916
cis-1,2-Dichloroethene	ND		0.00481	1	06/15/2025 00:42	WG2538916
trans-1,2-Dichloroethene	ND		0.00962	1	06/15/2025 00:42	WG2538916
1,2-Dichloropropane	ND		0.00962	1	06/15/2025 00:42	WG2538916
1,1-Dichloropropene	ND		0.00481	1	06/15/2025 00:42	WG2538916
1,3-Dichloropropane	ND		0.00962	1	06/15/2025 00:42	WG2538916
cis-1,3-Dichloropropene	ND		0.00481	1	06/15/2025 00:42	WG2538916
trans-1,3-Dichloropropene	ND		0.00962	1	06/15/2025 00:42	WG2538916
2,2-Dichloropropane	ND	C3	0.00481	1	06/15/2025 00:42	WG2538916
Di-isopropyl ether	ND		0.00192	1	06/15/2025 00:42	WG2538916
Ethylbenzene	ND		0.0192	1	06/15/2025 00:42	WG2538916
Hexachloro-1,3-butadiene	ND	C3	0.0481	1	06/15/2025 00:42	WG2538916
Isopropylbenzene	ND		0.00481	1	06/15/2025 00:42	WG2538916
p-Isopropyltoluene	ND		0.00962	1	06/15/2025 00:42	WG2538916
2-Butanone (MEK)	ND	J3 J4	0.192	1	06/15/2025 00:42	WG2538916
Methylene Chloride	ND		0.0481	1	06/15/2025 00:42	WG2538916
4-Methyl-2-pentanone (MIBK)	ND		0.0481	1	06/15/2025 00:42	WG2538916
Methyl tert-butyl ether	ND		0.00192	1	06/15/2025 00:42	WG2538916
n-Propylbenzene	ND		0.00962	1	06/15/2025 00:42	WG2538916
Styrene	ND		0.0241	1	06/15/2025 00:42	WG2538916
1,1,1,2-Tetrachloroethane	ND		0.00481	1	06/15/2025 00:42	WG2538916
1,1,2,2-Tetrachloroethane	ND		0.00481	1	06/15/2025 00:42	WG2538916
1,1,2-Trichlorotrifluoroethane	ND		0.00481	1	06/15/2025 00:42	WG2538916
Tetrachloroethene	ND		0.00481	1	06/15/2025 00:42	WG2538916
Toluene	ND		0.0192	1	06/15/2025 00:42	WG2538916
1,2,3-Trichlorobenzene	ND	C3	0.0241	1	06/15/2025 00:42	WG2538916
1,2,4-Trichlorobenzene	ND	C3	0.0241	1	06/15/2025 00:42	WG2538916
1,1,1-Trichloroethane	ND		0.00481	1	06/15/2025 00:42	WG2538916
1,1,2-Trichloroethane	ND		0.00481	1	06/15/2025 00:42	WG2538916
Trichloroethene	ND		0.00192	1	06/15/2025 00:42	WG2538916
Trichlorofluoromethane	ND		0.00481	1	06/15/2025 00:42	WG2538916
1,2,3-Trichloropropane	ND		0.0241	1	06/15/2025 00:42	WG2538916
1,2,3-Trimethylbenzene	ND		0.00962	1	06/15/2025 00:42	WG2538916
1,2,4-Trimethylbenzene	ND		0.00962	1	06/15/2025 00:42	WG2538916
1,3,5-Trimethylbenzene	ND		0.00962	1	06/15/2025 00:42	WG2538916
Vinyl chloride	ND		0.00481	1	06/15/2025 00:42	WG2538916
Xylenes, Total	ND		0.192	1	06/15/2025 00:42	WG2538916
(S) Toluene-d8	102		75.0-131		06/15/2025 00:42	WG2538916
(S) 4-Bromofluorobenzene	96.3		67.0-138		06/15/2025 00:42	WG2538916
(S) 1,2-Dichloroethane-d4	109		70.0-130		06/15/2025 00:42	WG2538916



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	10.8		5.85	1	06/20/2025 14:06	WG2542148
C28-C36 Motor Oil Range	79.7		5.85	1	06/20/2025 14:06	WG2542148
(S) o-Terphenyl	39.6		18.0-148		06/20/2025 14:06	WG2542148

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		0.0974	2	06/20/2025 17:21	WG2542351
Benzidine	ND	J4	4.88	2	06/20/2025 17:21	WG2542351
Benzo(g,h,i)perylene	ND		0.0974	2	06/20/2025 17:21	WG2542351
Bis(2-chlorethoxy)methane	ND		0.974	2	06/20/2025 17:21	WG2542351
Bis(2-chloroethyl)ether	ND		0.974	2	06/20/2025 17:21	WG2542351
2,2-Oxybis(1-Chloropropane)	ND		0.974	2	06/20/2025 17:21	WG2542351
4-Bromophenyl-phenylether	ND		0.974	2	06/20/2025 17:21	WG2542351
2-Chloronaphthalene	ND		0.0974	2	06/20/2025 17:21	WG2542351
4-Chlorophenyl-phenylether	ND		0.974	2	06/20/2025 17:21	WG2542351
1,2-Dichlorobenzene	ND		0.974	2	06/20/2025 17:21	WG2542351
1,3-Dichlorobenzene	ND		0.974	2	06/20/2025 17:21	WG2542351
1,4-Dichlorobenzene	ND		0.974	2	06/20/2025 17:21	WG2542351
3,3-Dichlorobenzidine	ND		0.974	2	06/20/2025 17:21	WG2542351
2,4-Dinitrotoluene	ND		0.974	2	06/20/2025 17:21	WG2542351
2,6-Dinitrotoluene	ND		0.974	2	06/20/2025 17:21	WG2542351
Hexachlorobenzene	ND		0.974	2	06/20/2025 17:21	WG2542351
Hexachloro-1,3-butadiene	ND		0.974	2	06/20/2025 17:21	WG2542351
Hexachlorocyclopentadiene	ND	C7	0.974	2	06/20/2025 17:21	WG2542351
Hexachloroethane	ND		0.974	2	06/20/2025 17:21	WG2542351
Isophorone	ND		0.974	2	06/20/2025 17:21	WG2542351
Nitrobenzene	ND		0.974	2	06/20/2025 17:21	WG2542351
n-Nitrosodimethylamine	ND	C3	0.974	2	06/20/2025 17:21	WG2542351
n-Nitrosodiphenylamine	ND		0.974	2	06/20/2025 17:21	WG2542351
n-Nitrosodi-n-propylamine	ND		0.974	2	06/20/2025 17:21	WG2542351
Phenanthrene	ND		0.0974	2	06/20/2025 17:21	WG2542351
Benzylbutyl phthalate	ND		0.974	2	06/20/2025 17:21	WG2542351
Bis(2-ethylhexyl)phthalate	ND		0.974	2	06/20/2025 17:21	WG2542351
Di-n-butyl phthalate	ND		0.974	2	06/20/2025 17:21	WG2542351
Diethyl phthalate	ND		0.974	2	06/20/2025 17:21	WG2542351
Dimethyl phthalate	ND		0.974	2	06/20/2025 17:21	WG2542351
Di-n-octyl phthalate	ND		0.974	2	06/20/2025 17:21	WG2542351
1,2,4-Trichlorobenzene	ND		0.974	2	06/20/2025 17:21	WG2542351
4-Chloro-3-methylphenol	ND		0.974	2	06/20/2025 17:21	WG2542351
2-Chlorophenol	ND		0.974	2	06/20/2025 17:21	WG2542351
2,4-Dichlorophenol	ND		0.974	2	06/20/2025 17:21	WG2542351
2,4-Dimethylphenol	ND		0.974	2	06/20/2025 17:21	WG2542351
4,6-Dinitro-2-methylphenol	ND		0.974	2	06/20/2025 17:21	WG2542351
2,4-Dinitrophenol	ND		0.974	2	06/20/2025 17:21	WG2542351
2-Nitrophenol	ND		0.974	2	06/20/2025 17:21	WG2542351
4-Nitrophenol	ND		0.974	2	06/20/2025 17:21	WG2542351
Pentachlorophenol	ND		0.974	2	06/20/2025 17:21	WG2542351
Phenol	ND		0.974	2	06/20/2025 17:21	WG2542351
2,4,6-Trichlorophenol	ND		0.974	2	06/20/2025 17:21	WG2542351
(S) 2-Fluorophenol	47.2		12.0-120		06/20/2025 17:21	WG2542351
(S) Phenol-d5	46.9		10.0-120		06/20/2025 17:21	WG2542351
(S) Nitrobenzene-d5	38.4		10.0-122		06/20/2025 17:21	WG2542351
(S) 2-Fluorobiphenyl	41.4		15.0-120		06/20/2025 17:21	WG2542351
(S) 2,4,6-Tribromophenol	66.9		10.0-127		06/20/2025 17:21	WG2542351
(S) p-Terphenyl-d14	43.5		10.0-120		06/20/2025 17:21	WG2542351

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

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

L1869905-16 WG2542351: 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		0.0482	1	06/21/2025 03:02	WG2542472
Acenaphthene	ND		0.0482	1	06/21/2025 03:02	WG2542472
Acenaphthylene	ND		0.0482	1	06/21/2025 03:02	WG2542472
Benzo(a)anthracene	ND		0.00877	1	06/21/2025 03:02	WG2542472
Benzo(a)pyrene	ND		0.0482	1	06/21/2025 03:02	WG2542472
Benzo(b)fluoranthene	ND	J4	0.0482	1	06/21/2025 03:02	WG2542472
Benzo(g,h,i)perylene	ND		0.0482	1	06/21/2025 03:02	WG2542472
Benzo(k)fluoranthene	ND		0.0482	1	06/21/2025 03:02	WG2542472
Chrysene	ND		0.0482	1	06/21/2025 03:02	WG2542472
Dibenz(a,h)anthracene	ND		0.0482	1	06/21/2025 03:02	WG2542472
Fluoranthene	ND		0.0482	1	06/21/2025 03:02	WG2542472
Fluorene	ND		0.0482	1	06/21/2025 03:02	WG2542472
Indeno(1,2,3-cd)pyrene	ND		0.0482	1	06/21/2025 03:02	WG2542472
Naphthalene	ND		0.00439	1	06/21/2025 03:02	WG2542472
Phenanthrene	ND		0.0482	1	06/21/2025 03:02	WG2542472
Pyrene	ND		0.0482	1	06/21/2025 03:02	WG2542472
1-Methylnaphthalene	ND		0.00439	1	06/21/2025 03:02	WG2542472
2-Methylnaphthalene	ND		0.0175	1	06/21/2025 03:02	WG2542472
(S) p-Terphenyl-d14	96.7		23.0-120		06/21/2025 03:02	WG2542472
(S) Nitrobenzene-d5	95.9		14.0-149		06/21/2025 03:02	WG2542472
(S) 2-Fluorobiphenyl	97.7		34.0-125		06/21/2025 03:02	WG2542472

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.377		1	06/20/2025 15:53	WG2541748

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1650		22.8	1	06/21/2025 14:10	WG2539012

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.6		1	06/14/2025 20:16	WG2538881

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11.4	1	06/18/2025 13:22	WG2539507

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	1650		114	5	06/21/2025 14:10	WG2542884

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.228	1	06/26/2025 19:18	WG2539253

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.79		1	06/21/2025 09:10	WG2542972

Sample Narrative:
L1869905-17 WG2542972: 7.79 at 22.9C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	564	umhos/cm		10.0	1	06/24/2025 20:30	WG2543008

Sample Narrative:
L1869905-17 WG2543008: 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		22.8	1	06/15/2025 14:38	WG2539012

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	6800		500	5	06/18/2025 17:48	WG2539188

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.467		0.200	1	06/22/2025 00:50	WG2541796

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	6420		22.8	1	06/17/2025 09:29	WG2539349
Antimony	ND		2.28	1	06/17/2025 09:29	WG2539349
Beryllium	0.401		0.228	1	06/17/2025 09:29	WG2539349
Calcium	10600		114	1	06/17/2025 09:29	WG2539349
Chromium	6.23		1.14	1	06/17/2025 09:29	WG2539349
Cobalt	3.92		1.14	1	06/17/2025 09:29	WG2539349
Iron	9640		11.4	1	06/17/2025 09:29	WG2539349
Magnesium	2500		114	1	06/17/2025 09:29	WG2539349
Manganese	243		1.14	1	06/17/2025 09:29	WG2539349
Potassium	1950		114	1	06/17/2025 09:29	WG2539349
Sodium	ND		114	1	06/17/2025 09:29	WG2539349
Thallium	ND		2.28	1	06/17/2025 09:29	WG2539349
Vanadium	16.6		2.28	1	06/17/2025 09:29	WG2539349

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.11		0.114	5	06/17/2025 17:27	WG2539358
Barium	74.8		11.4	5	06/17/2025 17:27	WG2539358
Cadmium	0.199		0.114	5	06/17/2025 17:27	WG2539358
Copper	ND		11.4	5	06/17/2025 17:27	WG2539358
Lead	ND		11.4	5	06/17/2025 17:27	WG2539358
Nickel	ND		11.4	5	06/17/2025 17:27	WG2539358
Selenium	0.315		0.114	5	06/17/2025 17:27	WG2539358
Silver	ND		0.571	5	06/17/2025 17:27	WG2539358
Zinc	ND		57.1	5	06/17/2025 17:27	WG2539358

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		3.21	25	06/15/2025 09:07	WG2538927
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	99.8		77.0-120		06/15/2025 09:07	WG2538927

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0642	1	06/15/2025 01:01	WG2538916
Acrylonitrile	ND		0.0161	1	06/15/2025 01:01	WG2538916
Benzene	ND		0.00128	1	06/15/2025 01:01	WG2538916
Bromobenzene	ND		0.0161	1	06/15/2025 01:01	WG2538916
Bromodichloromethane	ND		0.00321	1	06/15/2025 01:01	WG2538916
Bromoform	ND		0.0321	1	06/15/2025 01:01	WG2538916
Bromomethane	ND	C3	0.0161	1	06/15/2025 01:01	WG2538916
n-Butylbenzene	ND		0.0161	1	06/15/2025 01:01	WG2538916
sec-Butylbenzene	ND		0.0161	1	06/15/2025 01:01	WG2538916
tert-Butylbenzene	ND		0.00642	1	06/15/2025 01:01	WG2538916
Carbon tetrachloride	ND		0.00642	1	06/15/2025 01:01	WG2538916
Chlorobenzene	ND		0.00321	1	06/15/2025 01:01	WG2538916
Chlorodibromomethane	ND		0.00321	1	06/15/2025 01:01	WG2538916



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	C3 J3	0.00642	1	06/15/2025 01:01	WG2538916
Chloroform	ND		0.00321	1	06/15/2025 01:01	WG2538916
Chloromethane	ND		0.0161	1	06/15/2025 01:01	WG2538916
2-Chlorotoluene	ND		0.00321	1	06/15/2025 01:01	WG2538916
4-Chlorotoluene	ND		0.00642	1	06/15/2025 01:01	WG2538916
1,2-Dibromo-3-Chloropropane	ND		0.0321	1	06/15/2025 01:01	WG2538916
1,2-Dibromoethane	ND		0.00321	1	06/15/2025 01:01	WG2538916
Dibromomethane	ND		0.00642	1	06/15/2025 01:01	WG2538916
1,2-Dichlorobenzene	ND		0.00642	1	06/15/2025 01:01	WG2538916
1,3-Dichlorobenzene	ND		0.00642	1	06/15/2025 01:01	WG2538916
1,4-Dichlorobenzene	ND		0.00642	1	06/15/2025 01:01	WG2538916
Dichlorodifluoromethane	ND		0.00642	1	06/15/2025 01:01	WG2538916
1,1-Dichloroethane	ND		0.00321	1	06/15/2025 01:01	WG2538916
1,2-Dichloroethane	ND		0.00321	1	06/15/2025 01:01	WG2538916
1,1-Dichloroethene	ND		0.00321	1	06/15/2025 01:01	WG2538916
cis-1,2-Dichloroethene	ND		0.00321	1	06/15/2025 01:01	WG2538916
trans-1,2-Dichloroethene	ND		0.00642	1	06/15/2025 01:01	WG2538916
1,2-Dichloropropane	ND		0.00642	1	06/15/2025 01:01	WG2538916
1,1-Dichloropropene	ND		0.00321	1	06/15/2025 01:01	WG2538916
1,3-Dichloropropane	ND		0.00642	1	06/15/2025 01:01	WG2538916
cis-1,3-Dichloropropene	ND		0.00321	1	06/15/2025 01:01	WG2538916
trans-1,3-Dichloropropene	ND		0.00642	1	06/15/2025 01:01	WG2538916
2,2-Dichloropropane	ND	C3	0.00321	1	06/15/2025 01:01	WG2538916
Di-isopropyl ether	ND		0.00128	1	06/15/2025 01:01	WG2538916
Ethylbenzene	ND		0.0128	1	06/15/2025 01:01	WG2538916
Hexachloro-1,3-butadiene	ND	C3	0.0321	1	06/15/2025 01:01	WG2538916
Isopropylbenzene	ND		0.00321	1	06/15/2025 01:01	WG2538916
p-Isopropyltoluene	ND		0.00642	1	06/15/2025 01:01	WG2538916
2-Butanone (MEK)	ND	J3 J4	0.128	1	06/15/2025 01:01	WG2538916
Methylene Chloride	ND		0.0321	1	06/15/2025 01:01	WG2538916
4-Methyl-2-pentanone (MIBK)	ND		0.0321	1	06/15/2025 01:01	WG2538916
Methyl tert-butyl ether	ND		0.00128	1	06/15/2025 01:01	WG2538916
n-Propylbenzene	ND		0.00642	1	06/15/2025 01:01	WG2538916
Styrene	ND		0.0161	1	06/15/2025 01:01	WG2538916
1,1,1,2-Tetrachloroethane	ND		0.00321	1	06/15/2025 01:01	WG2538916
1,1,2,2-Tetrachloroethane	ND		0.00321	1	06/15/2025 01:01	WG2538916
1,1,2-Trichlorotrifluoroethane	ND		0.00321	1	06/15/2025 01:01	WG2538916
Tetrachloroethene	ND		0.00321	1	06/15/2025 01:01	WG2538916
Toluene	ND		0.0128	1	06/15/2025 01:01	WG2538916
1,2,3-Trichlorobenzene	ND	C3	0.0161	1	06/15/2025 01:01	WG2538916
1,2,4-Trichlorobenzene	ND	C3	0.0161	1	06/15/2025 01:01	WG2538916
1,1,1-Trichloroethane	ND		0.00321	1	06/15/2025 01:01	WG2538916
1,1,2-Trichloroethane	ND		0.00321	1	06/15/2025 01:01	WG2538916
Trichloroethene	ND		0.00128	1	06/15/2025 01:01	WG2538916
Trichlorofluoromethane	ND		0.00321	1	06/15/2025 01:01	WG2538916
1,2,3-Trichloropropane	ND		0.0161	1	06/15/2025 01:01	WG2538916
1,2,3-Trimethylbenzene	ND		0.00642	1	06/15/2025 01:01	WG2538916
1,2,4-Trimethylbenzene	ND		0.00642	1	06/15/2025 01:01	WG2538916
1,3,5-Trimethylbenzene	ND		0.00642	1	06/15/2025 01:01	WG2538916
Vinyl chloride	ND		0.00321	1	06/15/2025 01:01	WG2538916
Xylenes, Total	ND		0.128	1	06/15/2025 01:01	WG2538916
(S) Toluene-d8	98.8		75.0-131		06/15/2025 01:01	WG2538916
(S) 4-Bromofluorobenzene	93.4		67.0-138		06/15/2025 01:01	WG2538916
(S) 1,2-Dichloroethane-d4	106		70.0-130		06/15/2025 01:01	WG2538916



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		4.57	1	06/20/2025 11:07	WG2542148
C28-C36 Motor Oil Range	7.98		4.57	1	06/20/2025 11:07	WG2542148
(S) o-Terphenyl	57.5		18.0-148		06/20/2025 11:07	WG2542148

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		0.0380	1	06/20/2025 14:11	WG2542351
Benzidine	ND	J4	1.91	1	06/20/2025 14:11	WG2542351
Benzo(g,h,i)perylene	ND		0.0380	1	06/20/2025 14:11	WG2542351
Bis(2-chlorethoxy)methane	ND		0.380	1	06/20/2025 14:11	WG2542351
Bis(2-chloroethyl)ether	ND		0.380	1	06/20/2025 14:11	WG2542351
2,2-Oxybis(1-Chloropropane)	ND		0.380	1	06/20/2025 14:11	WG2542351
4-Bromophenyl-phenylether	ND		0.380	1	06/20/2025 14:11	WG2542351
2-Chloronaphthalene	ND		0.0380	1	06/20/2025 14:11	WG2542351
4-Chlorophenyl-phenylether	ND		0.380	1	06/20/2025 14:11	WG2542351
1,2-Dichlorobenzene	ND		0.380	1	06/20/2025 14:11	WG2542351
1,3-Dichlorobenzene	ND		0.380	1	06/20/2025 14:11	WG2542351
1,4-Dichlorobenzene	ND		0.380	1	06/20/2025 14:11	WG2542351
3,3-Dichlorobenzidine	ND		0.380	1	06/20/2025 14:11	WG2542351
2,4-Dinitrotoluene	ND		0.380	1	06/20/2025 14:11	WG2542351
2,6-Dinitrotoluene	ND		0.380	1	06/20/2025 14:11	WG2542351
Hexachlorobenzene	ND		0.380	1	06/20/2025 14:11	WG2542351
Hexachloro-1,3-butadiene	ND		0.380	1	06/20/2025 14:11	WG2542351
Hexachlorocyclopentadiene	ND	C7	0.380	1	06/20/2025 14:11	WG2542351
Hexachloroethane	ND		0.380	1	06/20/2025 14:11	WG2542351
Isophorone	ND		0.380	1	06/20/2025 14:11	WG2542351
Nitrobenzene	ND		0.380	1	06/20/2025 14:11	WG2542351
n-Nitrosodimethylamine	ND	C3	0.380	1	06/20/2025 14:11	WG2542351
n-Nitrosodiphenylamine	ND		0.380	1	06/20/2025 14:11	WG2542351
n-Nitrosodi-n-propylamine	ND		0.380	1	06/20/2025 14:11	WG2542351
Phenanthrene	ND		0.0380	1	06/20/2025 14:11	WG2542351
Benzylbutyl phthalate	ND		0.380	1	06/20/2025 14:11	WG2542351
Bis(2-ethylhexyl)phthalate	ND		0.380	1	06/20/2025 14:11	WG2542351
Di-n-butyl phthalate	ND		0.380	1	06/20/2025 14:11	WG2542351
Diethyl phthalate	ND		0.380	1	06/20/2025 14:11	WG2542351
Dimethyl phthalate	ND		0.380	1	06/20/2025 14:11	WG2542351
Di-n-octyl phthalate	ND		0.380	1	06/20/2025 14:11	WG2542351
1,2,4-Trichlorobenzene	ND		0.380	1	06/20/2025 14:11	WG2542351
4-Chloro-3-methylphenol	ND		0.380	1	06/20/2025 14:11	WG2542351
2-Chlorophenol	ND		0.380	1	06/20/2025 14:11	WG2542351
2,4-Dichlorophenol	ND		0.380	1	06/20/2025 14:11	WG2542351
2,4-Dimethylphenol	ND		0.380	1	06/20/2025 14:11	WG2542351
4,6-Dinitro-2-methylphenol	ND		0.380	1	06/20/2025 14:11	WG2542351
2,4-Dinitrophenol	ND		0.380	1	06/20/2025 14:11	WG2542351
2-Nitrophenol	ND		0.380	1	06/20/2025 14:11	WG2542351
4-Nitrophenol	ND		0.380	1	06/20/2025 14:11	WG2542351
Pentachlorophenol	ND		0.380	1	06/20/2025 14:11	WG2542351
Phenol	ND		0.380	1	06/20/2025 14:11	WG2542351
2,4,6-Trichlorophenol	ND		0.380	1	06/20/2025 14:11	WG2542351
(S) 2-Fluorophenol	42.7		12.0-120		06/20/2025 14:11	WG2542351
(S) Phenol-d5	38.8		10.0-120		06/20/2025 14:11	WG2542351
(S) Nitrobenzene-d5	35.2		10.0-122		06/20/2025 14:11	WG2542351
(S) 2-Fluorobiphenyl	40.6		15.0-120		06/20/2025 14:11	WG2542351
(S) 2,4,6-Tribromophenol	49.2		10.0-127		06/20/2025 14:11	WG2542351
(S) p-Terphenyl-d14	39.4		10.0-120		06/20/2025 14:11	WG2542351

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0377	1	06/20/2025 23:25	WG2542472
Acenaphthene	ND		0.0377	1	06/20/2025 23:25	WG2542472
Acenaphthylene	ND		0.0377	1	06/20/2025 23:25	WG2542472
Benzo(a)anthracene	ND		0.00685	1	06/20/2025 23:25	WG2542472
Benzo(a)pyrene	ND		0.0377	1	06/20/2025 23:25	WG2542472
Benzo(b)fluoranthene	ND	J4	0.0377	1	06/20/2025 23:25	WG2542472
Benzo(g,h,i)perylene	ND		0.0377	1	06/20/2025 23:25	WG2542472
Benzo(k)fluoranthene	ND		0.0377	1	06/20/2025 23:25	WG2542472
Chrysene	ND		0.0377	1	06/20/2025 23:25	WG2542472
Dibenz(a,h)anthracene	ND		0.0377	1	06/20/2025 23:25	WG2542472
Fluoranthene	ND		0.0377	1	06/20/2025 23:25	WG2542472
Fluorene	ND		0.0377	1	06/20/2025 23:25	WG2542472
Indeno(1,2,3-cd)pyrene	ND		0.0377	1	06/20/2025 23:25	WG2542472
Naphthalene	ND		0.00343	1	06/20/2025 23:25	WG2542472
Phenanthrene	ND		0.0377	1	06/20/2025 23:25	WG2542472
Pyrene	ND		0.0377	1	06/20/2025 23:25	WG2542472
1-Methylnaphthalene	ND		0.00343	1	06/20/2025 23:25	WG2542472
2-Methylnaphthalene	ND		0.0137	1	06/20/2025 23:25	WG2542472
(S) p-Terphenyl-d14	59.8		23.0-120		06/20/2025 23:25	WG2542472
(S) Nitrobenzene-d5	50.8		14.0-149		06/20/2025 23:25	WG2542472
(S) 2-Fluorobiphenyl	58.3		34.0-125		06/20/2025 23:25	WG2542472

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	06/15/2025 15:26	WG2539124
Acrolein	ND		0.0500	1	06/15/2025 15:26	WG2539124
Acrylonitrile	ND		0.0100	1	06/15/2025 15:26	WG2539124
Benzene	ND		0.00100	1	06/15/2025 15:26	WG2539124
Bromobenzene	ND		0.00100	1	06/15/2025 15:26	WG2539124
Bromodichloromethane	ND		0.00100	1	06/15/2025 15:26	WG2539124
Bromoform	ND		0.00100	1	06/15/2025 15:26	WG2539124
Bromomethane	ND		0.00500	1	06/15/2025 15:26	WG2539124
n-Butylbenzene	ND		0.00100	1	06/15/2025 15:26	WG2539124
sec-Butylbenzene	ND		0.00100	1	06/15/2025 15:26	WG2539124
tert-Butylbenzene	ND		0.00100	1	06/15/2025 15:26	WG2539124
Carbon tetrachloride	ND		0.00100	1	06/15/2025 15:26	WG2539124
Chlorobenzene	ND		0.00100	1	06/15/2025 15:26	WG2539124
Chlorodibromomethane	ND		0.00100	1	06/15/2025 15:26	WG2539124
Chloroethane	ND		0.00500	1	06/15/2025 15:26	WG2539124
Chloroform	ND		0.00500	1	06/15/2025 15:26	WG2539124
Chloromethane	ND		0.00250	1	06/15/2025 15:26	WG2539124
2-Chlorotoluene	ND		0.00100	1	06/15/2025 15:26	WG2539124
4-Chlorotoluene	ND		0.00100	1	06/15/2025 15:26	WG2539124
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	06/15/2025 15:26	WG2539124
1,2-Dibromoethane	ND		0.00100	1	06/15/2025 15:26	WG2539124
Dibromomethane	ND		0.00100	1	06/15/2025 15:26	WG2539124
1,2-Dichlorobenzene	ND		0.00100	1	06/15/2025 15:26	WG2539124
1,3-Dichlorobenzene	ND		0.00100	1	06/15/2025 15:26	WG2539124
1,4-Dichlorobenzene	ND		0.00100	1	06/15/2025 15:26	WG2539124
Dichlorodifluoromethane	ND		0.00500	1	06/15/2025 15:26	WG2539124
1,1-Dichloroethane	ND		0.00100	1	06/15/2025 15:26	WG2539124
1,2-Dichloroethane	ND		0.00100	1	06/15/2025 15:26	WG2539124
1,1-Dichloroethene	ND		0.00100	1	06/15/2025 15:26	WG2539124
cis-1,2-Dichloroethene	ND		0.00100	1	06/15/2025 15:26	WG2539124
trans-1,2-Dichloroethene	ND		0.00100	1	06/15/2025 15:26	WG2539124
1,2-Dichloropropane	ND		0.00100	1	06/15/2025 15:26	WG2539124
1,1-Dichloropropene	ND		0.00100	1	06/15/2025 15:26	WG2539124
1,3-Dichloropropane	ND		0.00100	1	06/15/2025 15:26	WG2539124
cis-1,3-Dichloropropene	ND		0.00100	1	06/15/2025 15:26	WG2539124
trans-1,3-Dichloropropene	ND		0.00100	1	06/15/2025 15:26	WG2539124
2,2-Dichloropropane	ND		0.00100	1	06/15/2025 15:26	WG2539124
Di-isopropyl ether	ND		0.00100	1	06/15/2025 15:26	WG2539124
Ethylbenzene	ND		0.00100	1	06/15/2025 15:26	WG2539124
Hexachloro-1,3-butadiene	ND		0.00100	1	06/15/2025 15:26	WG2539124
Isopropylbenzene	ND		0.00100	1	06/15/2025 15:26	WG2539124
p-Isopropyltoluene	ND		0.00100	1	06/15/2025 15:26	WG2539124
2-Butanone (MEK)	ND		0.0100	1	06/15/2025 15:26	WG2539124
Methylene Chloride	ND		0.00500	1	06/15/2025 15:26	WG2539124
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	06/15/2025 15:26	WG2539124
Methyl tert-butyl ether	ND		0.00100	1	06/15/2025 15:26	WG2539124
Naphthalene	ND		0.00500	1	06/15/2025 15:26	WG2539124
n-Propylbenzene	ND		0.00100	1	06/15/2025 15:26	WG2539124
Styrene	ND		0.00100	1	06/15/2025 15:26	WG2539124
1,1,1,2-Tetrachloroethane	ND		0.00100	1	06/15/2025 15:26	WG2539124
1,1,2,2-Tetrachloroethane	ND		0.00100	1	06/15/2025 15:26	WG2539124
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	06/15/2025 15:26	WG2539124
Tetrachloroethene	ND		0.00100	1	06/15/2025 15:26	WG2539124
Toluene	ND		0.00100	1	06/15/2025 15:26	WG2539124
1,2,3-Trichlorobenzene	ND		0.00100	1	06/15/2025 15:26	WG2539124
1,2,4-Trichlorobenzene	ND	C3	0.00100	1	06/15/2025 15:26	WG2539124



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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00100	1	06/15/2025 15:26	WG2539124
1,1,2-Trichloroethane	ND		0.00100	1	06/15/2025 15:26	WG2539124
Trichloroethene	ND		0.00100	1	06/15/2025 15:26	WG2539124
Trichlorofluoromethane	ND		0.00500	1	06/15/2025 15:26	WG2539124
1,2,3-Trichloropropane	ND		0.00250	1	06/15/2025 15:26	WG2539124
1,2,4-Trimethylbenzene	ND		0.00100	1	06/15/2025 15:26	WG2539124
1,2,3-Trimethylbenzene	ND		0.00100	1	06/15/2025 15:26	WG2539124
1,3,5-Trimethylbenzene	ND		0.00100	1	06/15/2025 15:26	WG2539124
Vinyl chloride	ND		0.00100	1	06/15/2025 15:26	WG2539124
Xylenes, Total	ND		0.00300	1	06/15/2025 15:26	WG2539124
(S) Toluene-d8	99.9		80.0-120		06/15/2025 15:26	WG2539124
(S) 4-Bromofluorobenzene	97.4		77.0-126		06/15/2025 15:26	WG2539124
(S) 1,2-Dichloroethane-d4	103		70.0-130		06/15/2025 15:26	WG2539124

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.298		1	06/20/2025 15:54	WG2541748

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	4140		21.6	1	06/21/2025 14:12	WG2539012

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.7		1	06/14/2025 20:16	WG2538881

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		10.8	1	06/18/2025 13:25	WG2539507

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	4090		108	5	06/21/2025 14:12	WG2542884

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.216	1	06/26/2025 19:27	WG2539253

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.44		1	06/21/2025 09:10	WG2542972

Sample Narrative:
L1869905-19 WG2542972: 7.44 at 22.6C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	972	umhos/cm		10.0	1	06/24/2025 20:30	WG2543008

Sample Narrative:
L1869905-19 WG2543008: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	53.0		21.6	1	06/15/2025 15:18	WG2539012

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	13400		1500	15	06/18/2025 17:48	WG2539188

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.420		0.200	1	06/22/2025 00:52	WG2541796

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	8390		21.6	1	06/17/2025 08:39	WG2539349
Antimony	ND		2.16	1	06/17/2025 08:39	WG2539349
Beryllium	0.407		0.216	1	06/17/2025 08:39	WG2539349
Calcium	10800		108	1	06/17/2025 08:39	WG2539349
Chromium	8.88		1.08	1	06/17/2025 08:39	WG2539349
Cobalt	3.95		1.08	1	06/17/2025 08:39	WG2539349
Iron	9600		10.8	1	06/17/2025 08:39	WG2539349
Magnesium	2540		108	1	06/17/2025 08:39	WG2539349
Manganese	198		1.08	1	06/17/2025 08:39	WG2539349
Potassium	2200		108	1	06/17/2025 08:39	WG2539349
Sodium	ND		108	1	06/17/2025 08:39	WG2539349
Thallium	ND		2.16	1	06/17/2025 08:39	WG2539349
Vanadium	17.7		2.16	1	06/17/2025 08:39	WG2539349

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.04		0.108	5	06/17/2025 18:30	WG2539358
Barium	72.7		10.8	5	06/17/2025 18:30	WG2539358
Cadmium	0.260		0.108	5	06/17/2025 18:30	WG2539358
Copper	12.7		10.8	5	06/17/2025 18:30	WG2539358
Lead	ND		10.8	5	06/17/2025 18:30	WG2539358
Nickel	ND		10.8	5	06/17/2025 18:30	WG2539358
Selenium	0.403		0.108	5	06/17/2025 18:30	WG2539358
Silver	ND		0.539	5	06/17/2025 18:30	WG2539358
Zinc	ND		53.9	5	06/17/2025 18:30	WG2539358

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		2.89	25	06/15/2025 09:30	WG2538927
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	99.3		77.0-120		06/15/2025 09:30	WG2538927

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0579	1	06/15/2025 01:20	WG2538916
Acrylonitrile	ND		0.0145	1	06/15/2025 01:20	WG2538916
Benzene	ND		0.00116	1	06/15/2025 01:20	WG2538916
Bromobenzene	ND		0.0145	1	06/15/2025 01:20	WG2538916
Bromodichloromethane	ND		0.00289	1	06/15/2025 01:20	WG2538916
Bromoform	ND		0.0289	1	06/15/2025 01:20	WG2538916
Bromomethane	ND	C3	0.0145	1	06/15/2025 01:20	WG2538916
n-Butylbenzene	ND		0.0145	1	06/15/2025 01:20	WG2538916
sec-Butylbenzene	ND		0.0145	1	06/15/2025 01:20	WG2538916
tert-Butylbenzene	ND		0.00579	1	06/15/2025 01:20	WG2538916
Carbon tetrachloride	ND		0.00579	1	06/15/2025 01:20	WG2538916
Chlorobenzene	ND		0.00289	1	06/15/2025 01:20	WG2538916
Chlorodibromomethane	ND		0.00289	1	06/15/2025 01:20	WG2538916

¹ Cp² Tc³ Ss⁴ Cn⁵ Ds⁶ Sr⁷ Qc⁸ Gl⁹ Al¹⁰ Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND	C3 J3	0.00579	1	06/15/2025 01:20	WG2538916
Chloroform	ND		0.00289	1	06/15/2025 01:20	WG2538916
Chloromethane	ND		0.0145	1	06/15/2025 01:20	WG2538916
2-Chlorotoluene	ND		0.00289	1	06/15/2025 01:20	WG2538916
4-Chlorotoluene	ND		0.00579	1	06/15/2025 01:20	WG2538916
1,2-Dibromo-3-Chloropropane	ND		0.0289	1	06/15/2025 01:20	WG2538916
1,2-Dibromoethane	ND		0.00289	1	06/15/2025 01:20	WG2538916
Dibromomethane	ND		0.00579	1	06/15/2025 01:20	WG2538916
1,2-Dichlorobenzene	ND		0.00579	1	06/15/2025 01:20	WG2538916
1,3-Dichlorobenzene	ND		0.00579	1	06/15/2025 01:20	WG2538916
1,4-Dichlorobenzene	ND		0.00579	1	06/15/2025 01:20	WG2538916
Dichlorodifluoromethane	ND		0.00579	1	06/15/2025 01:20	WG2538916
1,1-Dichloroethane	ND		0.00289	1	06/15/2025 01:20	WG2538916
1,2-Dichloroethane	ND		0.00289	1	06/15/2025 01:20	WG2538916
1,1-Dichloroethene	ND		0.00289	1	06/15/2025 01:20	WG2538916
cis-1,2-Dichloroethene	ND		0.00289	1	06/15/2025 01:20	WG2538916
trans-1,2-Dichloroethene	ND		0.00579	1	06/15/2025 01:20	WG2538916
1,2-Dichloropropane	ND		0.00579	1	06/15/2025 01:20	WG2538916
1,1-Dichloropropene	ND		0.00289	1	06/15/2025 01:20	WG2538916
1,3-Dichloropropane	ND		0.00579	1	06/15/2025 01:20	WG2538916
cis-1,3-Dichloropropene	ND		0.00289	1	06/15/2025 01:20	WG2538916
trans-1,3-Dichloropropene	ND		0.00579	1	06/15/2025 01:20	WG2538916
2,2-Dichloropropane	ND	C3	0.00289	1	06/15/2025 01:20	WG2538916
Di-isopropyl ether	ND		0.00116	1	06/15/2025 01:20	WG2538916
Ethylbenzene	ND		0.0116	1	06/15/2025 01:20	WG2538916
Hexachloro-1,3-butadiene	ND	C3	0.0289	1	06/15/2025 01:20	WG2538916
Isopropylbenzene	ND		0.00289	1	06/15/2025 01:20	WG2538916
p-Isopropyltoluene	ND		0.00579	1	06/15/2025 01:20	WG2538916
2-Butanone (MEK)	ND	J3 J4	0.116	1	06/15/2025 01:20	WG2538916
Methylene Chloride	ND		0.0289	1	06/15/2025 01:20	WG2538916
4-Methyl-2-pentanone (MIBK)	ND		0.0289	1	06/15/2025 01:20	WG2538916
Methyl tert-butyl ether	ND		0.00116	1	06/15/2025 01:20	WG2538916
n-Propylbenzene	ND		0.00579	1	06/15/2025 01:20	WG2538916
Styrene	ND		0.0145	1	06/15/2025 01:20	WG2538916
1,1,1,2-Tetrachloroethane	ND		0.00289	1	06/15/2025 01:20	WG2538916
1,1,2,2-Tetrachloroethane	ND		0.00289	1	06/15/2025 01:20	WG2538916
1,1,2-Trichlorotrifluoroethane	ND		0.00289	1	06/15/2025 01:20	WG2538916
Tetrachloroethene	ND		0.00289	1	06/15/2025 01:20	WG2538916
Toluene	ND		0.0116	1	06/15/2025 01:20	WG2538916
1,2,3-Trichlorobenzene	ND	C3	0.0145	1	06/15/2025 01:20	WG2538916
1,2,4-Trichlorobenzene	ND	C3	0.0145	1	06/15/2025 01:20	WG2538916
1,1,1-Trichloroethane	ND		0.00289	1	06/15/2025 01:20	WG2538916
1,1,2-Trichloroethane	ND		0.00289	1	06/15/2025 01:20	WG2538916
Trichloroethene	ND		0.00116	1	06/15/2025 01:20	WG2538916
Trichlorofluoromethane	ND		0.00289	1	06/15/2025 01:20	WG2538916
1,2,3-Trichloropropane	ND		0.0145	1	06/15/2025 01:20	WG2538916
1,2,3-Trimethylbenzene	ND		0.00579	1	06/15/2025 01:20	WG2538916
1,2,4-Trimethylbenzene	ND		0.00579	1	06/15/2025 01:20	WG2538916
1,3,5-Trimethylbenzene	ND		0.00579	1	06/15/2025 01:20	WG2538916
Vinyl chloride	ND		0.00289	1	06/15/2025 01:20	WG2538916
Xylenes, Total	ND		0.116	1	06/15/2025 01:20	WG2538916
(S) Toluene-d8	101		75.0-131		06/15/2025 01:20	WG2538916
(S) 4-Bromofluorobenzene	93.2		67.0-138		06/15/2025 01:20	WG2538916
(S) 1,2-Dichloroethane-d4	99.9		70.0-130		06/15/2025 01:20	WG2538916



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	22.3		4.31	1	06/20/2025 12:49	WG2542148
C28-C36 Motor Oil Range	120		4.31	1	06/20/2025 12:49	WG2542148
(S) o-Terphenyl	47.4		18.0-148		06/20/2025 12:49	WG2542148

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		0.0718	2	06/20/2025 17:44	WG2542351
Benzidine	ND	J4	3.60	2	06/20/2025 17:44	WG2542351
Benzo(g,h,i)perylene	ND		0.0718	2	06/20/2025 17:44	WG2542351
Bis(2-chlorethoxy)methane	ND		0.718	2	06/20/2025 17:44	WG2542351
Bis(2-chloroethyl)ether	ND		0.718	2	06/20/2025 17:44	WG2542351
2,2-Oxybis(1-Chloropropane)	ND		0.718	2	06/20/2025 17:44	WG2542351
4-Bromophenyl-phenylether	ND		0.718	2	06/20/2025 17:44	WG2542351
2-Chloronaphthalene	ND		0.0718	2	06/20/2025 17:44	WG2542351
4-Chlorophenyl-phenylether	ND		0.718	2	06/20/2025 17:44	WG2542351
1,2-Dichlorobenzene	ND		0.718	2	06/20/2025 17:44	WG2542351
1,3-Dichlorobenzene	ND		0.718	2	06/20/2025 17:44	WG2542351
1,4-Dichlorobenzene	ND		0.718	2	06/20/2025 17:44	WG2542351
3,3-Dichlorobenzidine	ND		0.718	2	06/20/2025 17:44	WG2542351
2,4-Dinitrotoluene	ND		0.718	2	06/20/2025 17:44	WG2542351
2,6-Dinitrotoluene	ND		0.718	2	06/20/2025 17:44	WG2542351
Hexachlorobenzene	ND		0.718	2	06/20/2025 17:44	WG2542351
Hexachloro-1,3-butadiene	ND		0.718	2	06/20/2025 17:44	WG2542351
Hexachlorocyclopentadiene	ND	C7	0.718	2	06/20/2025 17:44	WG2542351
Hexachloroethane	ND		0.718	2	06/20/2025 17:44	WG2542351
Isophorone	ND		0.718	2	06/20/2025 17:44	WG2542351
Nitrobenzene	ND		0.718	2	06/20/2025 17:44	WG2542351
n-Nitrosodimethylamine	ND	C3	0.718	2	06/20/2025 17:44	WG2542351
n-Nitrosodiphenylamine	ND		0.718	2	06/20/2025 17:44	WG2542351
n-Nitrosodi-n-propylamine	ND		0.718	2	06/20/2025 17:44	WG2542351
Phenanthrene	ND		0.0718	2	06/20/2025 17:44	WG2542351
Benzylbutyl phthalate	ND		0.718	2	06/20/2025 17:44	WG2542351
Bis(2-ethylhexyl)phthalate	ND		0.718	2	06/20/2025 17:44	WG2542351
Di-n-butyl phthalate	ND		0.718	2	06/20/2025 17:44	WG2542351
Diethyl phthalate	ND		0.718	2	06/20/2025 17:44	WG2542351
Dimethyl phthalate	ND		0.718	2	06/20/2025 17:44	WG2542351
Di-n-octyl phthalate	ND		0.718	2	06/20/2025 17:44	WG2542351
1,2,4-Trichlorobenzene	ND		0.718	2	06/20/2025 17:44	WG2542351
4-Chloro-3-methylphenol	ND		0.718	2	06/20/2025 17:44	WG2542351
2-Chlorophenol	ND		0.718	2	06/20/2025 17:44	WG2542351
2,4-Dichlorophenol	ND		0.718	2	06/20/2025 17:44	WG2542351
2,4-Dimethylphenol	ND		0.718	2	06/20/2025 17:44	WG2542351
4,6-Dinitro-2-methylphenol	ND		0.718	2	06/20/2025 17:44	WG2542351
2,4-Dinitrophenol	ND		0.718	2	06/20/2025 17:44	WG2542351
2-Nitrophenol	ND		0.718	2	06/20/2025 17:44	WG2542351
4-Nitrophenol	ND		0.718	2	06/20/2025 17:44	WG2542351
Pentachlorophenol	ND		0.718	2	06/20/2025 17:44	WG2542351
Phenol	ND		0.718	2	06/20/2025 17:44	WG2542351
2,4,6-Trichlorophenol	ND		0.718	2	06/20/2025 17:44	WG2542351
(S) 2-Fluorophenol	61.0		12.0-120		06/20/2025 17:44	WG2542351
(S) Phenol-d5	57.3		10.0-120		06/20/2025 17:44	WG2542351
(S) Nitrobenzene-d5	52.0		10.0-122		06/20/2025 17:44	WG2542351
(S) 2-Fluorobiphenyl	58.7		15.0-120		06/20/2025 17:44	WG2542351
(S) 2,4,6-Tribromophenol	86.9		10.0-127		06/20/2025 17:44	WG2542351
(S) p-Terphenyl-d14	64.8		10.0-120		06/20/2025 17:44	WG2542351

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

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

L1869905-19 WG2542351: 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		0.0356	1	06/25/2025 00:43	WG2545534
Acenaphthene	ND		0.0356	1	06/25/2025 00:43	WG2545534
Acenaphthylene	ND		0.0356	1	06/25/2025 00:43	WG2545534
Benzo(a)anthracene	ND		0.00647	1	06/25/2025 00:43	WG2545534
Benzo(a)pyrene	ND		0.0356	1	06/25/2025 00:43	WG2545534
Benzo(b)fluoranthene	ND		0.0356	1	06/25/2025 00:43	WG2545534
Benzo(g,h,i)perylene	ND		0.0356	1	06/25/2025 00:43	WG2545534
Benzo(k)fluoranthene	ND		0.0356	1	06/25/2025 00:43	WG2545534
Chrysene	ND		0.0356	1	06/25/2025 00:43	WG2545534
Dibenz(a,h)anthracene	ND		0.0356	1	06/25/2025 00:43	WG2545534
Fluoranthene	ND		0.0356	1	06/25/2025 00:43	WG2545534
Fluorene	ND		0.0356	1	06/25/2025 00:43	WG2545534
Indeno(1,2,3-cd)pyrene	ND		0.0356	1	06/25/2025 00:43	WG2545534
Naphthalene	ND		0.00324	1	06/25/2025 00:43	WG2545534
Phenanthrene	ND		0.0356	1	06/25/2025 00:43	WG2545534
Pyrene	ND		0.0356	1	06/25/2025 00:43	WG2545534
1-Methylnaphthalene	ND		0.00324	1	06/25/2025 00:43	WG2545534
2-Methylnaphthalene	ND		0.0129	1	06/25/2025 00:43	WG2545534
(S) p-Terphenyl-d14	85.7		23.0-120		06/25/2025 00:43	WG2545534
(S) Nitrobenzene-d5	83.6		14.0-149		06/25/2025 00:43	WG2545534
(S) 2-Fluorobiphenyl	88.1		34.0-125		06/25/2025 00:43	WG2545534

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.309		1	06/20/2025 15:56	WG2541748

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	2860		21.8	1	06/21/2025 14:14	WG2539012

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.6		1	06/14/2025 20:16	WG2538881

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	06/18/2025 13:26	WG2539507

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	2810		109	5	06/21/2025 14:14	WG2542884

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.218	1	06/26/2025 19:36	WG2539253

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.38		1	06/21/2025 09:10	WG2542972

Sample Narrative:

L1869905-20 WG2542972: 7.38 at 22.4C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1020	umhos/cm		10.0	1	06/24/2025 20:30	WG2543008

Sample Narrative:

L1869905-20 WG2543008: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	52.5		21.8	1	06/15/2025 15:31	WG2539012

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	16300		1400	14	06/18/2025 17:49	WG2539188

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.478		0.200	1	06/22/2025 00:54	WG2541796

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	7010		21.8	1	06/17/2025 08:40	WG2539349
Antimony	ND		2.18	1	06/17/2025 08:40	WG2539349
Beryllium	0.397		0.218	1	06/17/2025 08:40	WG2539349
Calcium	10300		109	1	06/17/2025 08:40	WG2539349
Chromium	7.70		1.09	1	06/17/2025 08:40	WG2539349
Cobalt	3.78		1.09	1	06/17/2025 08:40	WG2539349
Iron	9500		10.9	1	06/17/2025 08:40	WG2539349
Magnesium	2340		109	1	06/17/2025 08:40	WG2539349
Manganese	195		1.09	1	06/17/2025 08:40	WG2539349
Potassium	1940		109	1	06/17/2025 08:40	WG2539349
Sodium	ND		109	1	06/17/2025 08:40	WG2539349
Thallium	ND		2.18	1	06/17/2025 08:40	WG2539349
Vanadium	16.9		2.18	1	06/17/2025 08:40	WG2539349

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.02		0.109	5	06/17/2025 18:33	WG2539358
Barium	72.1		10.9	5	06/17/2025 18:33	WG2539358
Cadmium	0.218		0.109	5	06/17/2025 18:33	WG2539358
Copper	ND		10.9	5	06/17/2025 18:33	WG2539358
Lead	ND		10.9	5	06/17/2025 18:33	WG2539358
Nickel	ND		10.9	5	06/17/2025 18:33	WG2539358
Selenium	0.414		0.109	5	06/17/2025 18:33	WG2539358
Silver	ND		0.546	5	06/17/2025 18:33	WG2539358
Zinc	ND		54.6	5	06/17/2025 18:33	WG2539358

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		2.96	25	06/15/2025 09:53	WG2538927
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	99.4		77.0-120		06/15/2025 09:53	WG2538927

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0592	1	06/15/2025 01:39	WG2538916
Acrylonitrile	ND		0.0148	1	06/15/2025 01:39	WG2538916
Benzene	ND		0.00118	1	06/15/2025 01:39	WG2538916
Bromobenzene	ND		0.0148	1	06/15/2025 01:39	WG2538916
Bromodichloromethane	ND		0.00296	1	06/15/2025 01:39	WG2538916
Bromoform	ND		0.0296	1	06/15/2025 01:39	WG2538916
Bromomethane	ND	C3	0.0148	1	06/15/2025 01:39	WG2538916
n-Butylbenzene	ND		0.0148	1	06/15/2025 01:39	WG2538916
sec-Butylbenzene	ND		0.0148	1	06/15/2025 01:39	WG2538916
tert-Butylbenzene	ND		0.00592	1	06/15/2025 01:39	WG2538916
Carbon tetrachloride	ND		0.00592	1	06/15/2025 01:39	WG2538916
Chlorobenzene	ND		0.00296	1	06/15/2025 01:39	WG2538916
Chlorodibromomethane	ND		0.00296	1	06/15/2025 01:39	WG2538916

¹ Cp² Tc³ Ss⁴ Cn⁵ Ds⁶ Sr⁷ Qc⁸ Gl⁹ Al¹⁰ Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND	C3 J3	0.00592	1	06/15/2025 01:39	WG2538916
Chloroform	ND		0.00296	1	06/15/2025 01:39	WG2538916
Chloromethane	ND		0.0148	1	06/15/2025 01:39	WG2538916
2-Chlorotoluene	ND		0.00296	1	06/15/2025 01:39	WG2538916
4-Chlorotoluene	ND		0.00592	1	06/15/2025 01:39	WG2538916
1,2-Dibromo-3-Chloropropane	ND		0.0296	1	06/15/2025 01:39	WG2538916
1,2-Dibromoethane	ND		0.00296	1	06/15/2025 01:39	WG2538916
Dibromomethane	ND		0.00592	1	06/15/2025 01:39	WG2538916
1,2-Dichlorobenzene	ND		0.00592	1	06/15/2025 01:39	WG2538916
1,3-Dichlorobenzene	ND		0.00592	1	06/15/2025 01:39	WG2538916
1,4-Dichlorobenzene	ND		0.00592	1	06/15/2025 01:39	WG2538916
Dichlorodifluoromethane	ND		0.00592	1	06/15/2025 01:39	WG2538916
1,1-Dichloroethane	ND		0.00296	1	06/15/2025 01:39	WG2538916
1,2-Dichloroethane	ND		0.00296	1	06/15/2025 01:39	WG2538916
1,1-Dichloroethene	ND		0.00296	1	06/15/2025 01:39	WG2538916
cis-1,2-Dichloroethene	ND		0.00296	1	06/15/2025 01:39	WG2538916
trans-1,2-Dichloroethene	ND		0.00592	1	06/15/2025 01:39	WG2538916
1,2-Dichloropropane	ND		0.00592	1	06/15/2025 01:39	WG2538916
1,1-Dichloropropene	ND		0.00296	1	06/15/2025 01:39	WG2538916
1,3-Dichloropropane	ND		0.00592	1	06/15/2025 01:39	WG2538916
cis-1,3-Dichloropropene	ND		0.00296	1	06/15/2025 01:39	WG2538916
trans-1,3-Dichloropropene	ND		0.00592	1	06/15/2025 01:39	WG2538916
2,2-Dichloropropane	ND	C3	0.00296	1	06/15/2025 01:39	WG2538916
Di-isopropyl ether	ND		0.00118	1	06/15/2025 01:39	WG2538916
Ethylbenzene	ND		0.0118	1	06/15/2025 01:39	WG2538916
Hexachloro-1,3-butadiene	ND	C3	0.0296	1	06/15/2025 01:39	WG2538916
Isopropylbenzene	ND		0.00296	1	06/15/2025 01:39	WG2538916
p-Isopropyltoluene	ND		0.00592	1	06/15/2025 01:39	WG2538916
2-Butanone (MEK)	ND	J3 J4	0.118	1	06/15/2025 01:39	WG2538916
Methylene Chloride	ND		0.0296	1	06/15/2025 01:39	WG2538916
4-Methyl-2-pentanone (MIBK)	ND		0.0296	1	06/15/2025 01:39	WG2538916
Methyl tert-butyl ether	ND		0.00118	1	06/15/2025 01:39	WG2538916
n-Propylbenzene	ND		0.00592	1	06/15/2025 01:39	WG2538916
Styrene	ND		0.0148	1	06/15/2025 01:39	WG2538916
1,1,1,2-Tetrachloroethane	ND		0.00296	1	06/15/2025 01:39	WG2538916
1,1,2,2-Tetrachloroethane	ND		0.00296	1	06/15/2025 01:39	WG2538916
1,1,2-Trichlorotrifluoroethane	ND		0.00296	1	06/15/2025 01:39	WG2538916
Tetrachloroethene	ND		0.00296	1	06/15/2025 01:39	WG2538916
Toluene	ND		0.0118	1	06/15/2025 01:39	WG2538916
1,2,3-Trichlorobenzene	ND	C3	0.0148	1	06/15/2025 01:39	WG2538916
1,2,4-Trichlorobenzene	ND	C3	0.0148	1	06/15/2025 01:39	WG2538916
1,1,1-Trichloroethane	ND		0.00296	1	06/15/2025 01:39	WG2538916
1,1,2-Trichloroethane	ND		0.00296	1	06/15/2025 01:39	WG2538916
Trichloroethene	ND		0.00118	1	06/15/2025 01:39	WG2538916
Trichlorofluoromethane	ND		0.00296	1	06/15/2025 01:39	WG2538916
1,2,3-Trichloropropane	ND		0.0148	1	06/15/2025 01:39	WG2538916
1,2,3-Trimethylbenzene	ND		0.00592	1	06/15/2025 01:39	WG2538916
1,2,4-Trimethylbenzene	ND		0.00592	1	06/15/2025 01:39	WG2538916
1,3,5-Trimethylbenzene	ND		0.00592	1	06/15/2025 01:39	WG2538916
Vinyl chloride	ND		0.00296	1	06/15/2025 01:39	WG2538916
Xylenes, Total	ND		0.118	1	06/15/2025 01:39	WG2538916
(S) Toluene-d8	99.6		75.0-131		06/15/2025 01:39	WG2538916
(S) 4-Bromofluorobenzene	95.6		67.0-138		06/15/2025 01:39	WG2538916
(S) 1,2-Dichloroethane-d4	99.2		70.0-130		06/15/2025 01:39	WG2538916



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	19.6		4.37	1	06/20/2025 13:15	WG2542148
C28-C36 Motor Oil Range	104		4.37	1	06/20/2025 13:15	WG2542148
(S) o-Terphenyl	53.0		18.0-148		06/20/2025 13:15	WG2542148

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		0.0727	2	06/20/2025 03:55	WG2542351
Benzidine	ND	J4	3.64	2	06/20/2025 03:55	WG2542351
Benzo(g,h,i)perylene	ND		0.0727	2	06/20/2025 03:55	WG2542351
Bis(2-chlorethoxy)methane	ND		0.727	2	06/20/2025 03:55	WG2542351
Bis(2-chloroethyl)ether	ND		0.727	2	06/20/2025 03:55	WG2542351
2,2-Oxybis(1-Chloropropane)	ND		0.727	2	06/20/2025 03:55	WG2542351
4-Bromophenyl-phenylether	ND		0.727	2	06/20/2025 03:55	WG2542351
2-Chloronaphthalene	ND		0.0727	2	06/20/2025 03:55	WG2542351
4-Chlorophenyl-phenylether	ND		0.727	2	06/20/2025 03:55	WG2542351
1,2-Dichlorobenzene	ND		0.727	2	06/20/2025 03:55	WG2542351
1,3-Dichlorobenzene	ND		0.727	2	06/20/2025 03:55	WG2542351
1,4-Dichlorobenzene	ND		0.727	2	06/20/2025 03:55	WG2542351
3,3-Dichlorobenzidine	ND		0.727	2	06/20/2025 03:55	WG2542351
2,4-Dinitrotoluene	ND		0.727	2	06/20/2025 03:55	WG2542351
2,6-Dinitrotoluene	ND		0.727	2	06/20/2025 03:55	WG2542351
Hexachlorobenzene	ND		0.727	2	06/20/2025 03:55	WG2542351
Hexachloro-1,3-butadiene	ND		0.727	2	06/20/2025 03:55	WG2542351
Hexachlorocyclopentadiene	ND	C3 C7	0.727	2	06/20/2025 03:55	WG2542351
Hexachloroethane	ND		0.727	2	06/20/2025 03:55	WG2542351
Isophorone	ND		0.727	2	06/20/2025 03:55	WG2542351
Nitrobenzene	ND		0.727	2	06/20/2025 03:55	WG2542351
n-Nitrosodimethylamine	ND		0.727	2	06/20/2025 03:55	WG2542351
n-Nitrosodiphenylamine	ND		0.727	2	06/20/2025 03:55	WG2542351
n-Nitrosodi-n-propylamine	ND		0.727	2	06/20/2025 03:55	WG2542351
Phenanthrene	ND		0.0727	2	06/20/2025 03:55	WG2542351
Benzylbutyl phthalate	ND		0.727	2	06/20/2025 03:55	WG2542351
Bis(2-ethylhexyl)phthalate	ND		0.727	2	06/20/2025 03:55	WG2542351
Di-n-butyl phthalate	ND		0.727	2	06/20/2025 03:55	WG2542351
Diethyl phthalate	ND		0.727	2	06/20/2025 03:55	WG2542351
Dimethyl phthalate	ND		0.727	2	06/20/2025 03:55	WG2542351
Di-n-octyl phthalate	ND		0.727	2	06/20/2025 03:55	WG2542351
1,2,4-Trichlorobenzene	ND		0.727	2	06/20/2025 03:55	WG2542351
4-Chloro-3-methylphenol	ND		0.727	2	06/20/2025 03:55	WG2542351
2-Chlorophenol	ND		0.727	2	06/20/2025 03:55	WG2542351
2,4-Dichlorophenol	ND		0.727	2	06/20/2025 03:55	WG2542351
2,4-Dimethylphenol	ND		0.727	2	06/20/2025 03:55	WG2542351
4,6-Dinitro-2-methylphenol	ND		0.727	2	06/20/2025 03:55	WG2542351
2,4-Dinitrophenol	ND		0.727	2	06/20/2025 03:55	WG2542351
2-Nitrophenol	ND		0.727	2	06/20/2025 03:55	WG2542351
4-Nitrophenol	ND		0.727	2	06/20/2025 03:55	WG2542351
Pentachlorophenol	ND	C3	0.727	2	06/20/2025 03:55	WG2542351
Phenol	ND		0.727	2	06/20/2025 03:55	WG2542351
2,4,6-Trichlorophenol	ND		0.727	2	06/20/2025 03:55	WG2542351
(S) 2-Fluorophenol	77.0		12.0-120		06/20/2025 03:55	WG2542351
(S) Phenol-d5	63.2		10.0-120		06/20/2025 03:55	WG2542351
(S) Nitrobenzene-d5	68.3		10.0-122		06/20/2025 03:55	WG2542351
(S) 2-Fluorobiphenyl	60.9		15.0-120		06/20/2025 03:55	WG2542351
(S) 2,4,6-Tribromophenol	66.5		10.0-127		06/20/2025 03:55	WG2542351
(S) p-Terphenyl-d14	60.2		10.0-120		06/20/2025 03:55	WG2542351

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

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

L1869905-20 WG2542351: 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		0.0360	1	06/21/2025 03:41	WG2542472
Acenaphthene	ND		0.0360	1	06/21/2025 03:41	WG2542472
Acenaphthylene	ND		0.0360	1	06/21/2025 03:41	WG2542472
Benzo(a)anthracene	ND		0.00655	1	06/21/2025 03:41	WG2542472
Benzo(a)pyrene	ND		0.0360	1	06/21/2025 03:41	WG2542472
Benzo(b)fluoranthene	ND	J4	0.0360	1	06/21/2025 03:41	WG2542472
Benzo(g,h,i)perylene	ND		0.0360	1	06/21/2025 03:41	WG2542472
Benzo(k)fluoranthene	ND		0.0360	1	06/21/2025 03:41	WG2542472
Chrysene	ND		0.0360	1	06/21/2025 03:41	WG2542472
Dibenz(a,h)anthracene	ND		0.0360	1	06/21/2025 03:41	WG2542472
Fluoranthene	ND		0.0360	1	06/21/2025 03:41	WG2542472
Fluorene	ND		0.0360	1	06/21/2025 03:41	WG2542472
Indeno(1,2,3-cd)pyrene	ND		0.0360	1	06/21/2025 03:41	WG2542472
Naphthalene	ND		0.00327	1	06/21/2025 03:41	WG2542472
Phenanthrene	ND		0.0360	1	06/21/2025 03:41	WG2542472
Pyrene	ND		0.0360	1	06/21/2025 03:41	WG2542472
1-Methylnaphthalene	ND		0.00327	1	06/21/2025 03:41	WG2542472
2-Methylnaphthalene	ND		0.0131	1	06/21/2025 03:41	WG2542472
(S) p-Terphenyl-d14	116		23.0-120		06/21/2025 03:41	WG2542472
(S) Nitrobenzene-d5	108		14.0-149		06/21/2025 03:41	WG2542472
(S) 2-Fluorobiphenyl	113		34.0-125		06/21/2025 03:41	WG2542472

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.486		1	06/20/2025 15:58	WG2541748

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	2760		21.5	1	06/21/2025 14:16	WG2539012

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.1		1	06/14/2025 20:16	WG2538881

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		10.7	1	06/18/2025 13:29	WG2539507

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	2740		107	5	06/21/2025 14:16	WG2542884

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.215	1	06/26/2025 19:54	WG2539253

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.59		1	06/21/2025 09:10	WG2542972

Sample Narrative:

L1869905-21 WG2542972: 7.59 at 22.6C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	604	umhos/cm		10.0	1	06/24/2025 20:30	WG2543008

Sample Narrative:

L1869905-21 WG2543008: 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		21.5	1	06/15/2025 15:45	WG2539012

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	24600		1500	15	06/18/2025 17:49	WG2539188

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.591		0.200	1	06/22/2025 00:55	WG2541796

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	7740		21.5	1	06/17/2025 08:42	WG2539349
Antimony	ND		2.15	1	06/17/2025 08:42	WG2539349
Beryllium	0.438		0.215	1	06/17/2025 08:42	WG2539349
Calcium	5720		107	1	06/17/2025 08:42	WG2539349
Chromium	7.82		1.07	1	06/17/2025 08:42	WG2539349
Cobalt	3.85		1.07	1	06/17/2025 08:42	WG2539349
Iron	10000		10.7	1	06/17/2025 08:42	WG2539349
Magnesium	2530		107	1	06/17/2025 08:42	WG2539349
Manganese	222		1.07	1	06/17/2025 08:42	WG2539349
Potassium	2590		107	1	06/17/2025 08:42	WG2539349
Sodium	ND		107	1	06/17/2025 08:42	WG2539349
Thallium	ND		2.15	1	06/17/2025 08:42	WG2539349
Vanadium	17.4		2.15	1	06/17/2025 08:42	WG2539349

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.22		0.107	5	06/17/2025 18:37	WG2539358
Barium	67.0		10.7	5	06/17/2025 18:37	WG2539358
Cadmium	0.253		0.107	5	06/17/2025 18:37	WG2539358
Copper	11.1		10.7	5	06/17/2025 18:37	WG2539358
Lead	ND		10.7	5	06/17/2025 18:37	WG2539358
Nickel	ND		10.7	5	06/17/2025 18:37	WG2539358
Selenium	0.383		0.107	5	06/17/2025 18:37	WG2539358
Silver	ND		0.537	5	06/17/2025 18:37	WG2539358
Zinc	ND		53.7	5	06/17/2025 18:37	WG2539358

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	3.53		2.87	25	06/15/2025 10:16	WG2538927
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	99.1		77.0-120		06/15/2025 10:16	WG2538927

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0575	1	06/15/2025 01:58	WG2538916
Acrylonitrile	ND		0.0144	1	06/15/2025 01:58	WG2538916
Benzene	ND		0.00115	1	06/15/2025 01:58	WG2538916
Bromobenzene	ND		0.0144	1	06/15/2025 01:58	WG2538916
Bromodichloromethane	ND		0.00287	1	06/15/2025 01:58	WG2538916
Bromoform	ND		0.0287	1	06/15/2025 01:58	WG2538916
Bromomethane	ND	C3	0.0144	1	06/15/2025 01:58	WG2538916
n-Butylbenzene	ND		0.0144	1	06/15/2025 01:58	WG2538916
sec-Butylbenzene	ND		0.0144	1	06/15/2025 01:58	WG2538916
tert-Butylbenzene	ND		0.00575	1	06/15/2025 01:58	WG2538916
Carbon tetrachloride	ND		0.00575	1	06/15/2025 01:58	WG2538916
Chlorobenzene	ND		0.00287	1	06/15/2025 01:58	WG2538916
Chlorodibromomethane	ND		0.00287	1	06/15/2025 01:58	WG2538916

¹ Cp² Tc³ Ss⁴ Cn⁵ Ds⁶ Sr⁷ Qc⁸ Gl⁹ Al¹⁰ Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND	C3 J3	0.00575	1	06/15/2025 01:58	WG2538916
Chloroform	ND		0.00287	1	06/15/2025 01:58	WG2538916
Chloromethane	ND		0.0144	1	06/15/2025 01:58	WG2538916
2-Chlorotoluene	ND		0.00287	1	06/15/2025 01:58	WG2538916
4-Chlorotoluene	ND		0.00575	1	06/15/2025 01:58	WG2538916
1,2-Dibromo-3-Chloropropane	ND		0.0287	1	06/15/2025 01:58	WG2538916
1,2-Dibromoethane	ND		0.00287	1	06/15/2025 01:58	WG2538916
Dibromomethane	ND		0.00575	1	06/15/2025 01:58	WG2538916
1,2-Dichlorobenzene	ND		0.00575	1	06/15/2025 01:58	WG2538916
1,3-Dichlorobenzene	ND		0.00575	1	06/15/2025 01:58	WG2538916
1,4-Dichlorobenzene	ND		0.00575	1	06/15/2025 01:58	WG2538916
Dichlorodifluoromethane	ND		0.00575	1	06/15/2025 01:58	WG2538916
1,1-Dichloroethane	ND		0.00287	1	06/15/2025 01:58	WG2538916
1,2-Dichloroethane	ND		0.00287	1	06/15/2025 01:58	WG2538916
1,1-Dichloroethene	ND		0.00287	1	06/15/2025 01:58	WG2538916
cis-1,2-Dichloroethene	ND		0.00287	1	06/15/2025 01:58	WG2538916
trans-1,2-Dichloroethene	ND		0.00575	1	06/15/2025 01:58	WG2538916
1,2-Dichloropropane	ND		0.00575	1	06/15/2025 01:58	WG2538916
1,1-Dichloropropene	ND		0.00287	1	06/15/2025 01:58	WG2538916
1,3-Dichloropropane	ND		0.00575	1	06/15/2025 01:58	WG2538916
cis-1,3-Dichloropropene	ND		0.00287	1	06/15/2025 01:58	WG2538916
trans-1,3-Dichloropropene	ND		0.00575	1	06/15/2025 01:58	WG2538916
2,2-Dichloropropane	ND	C3	0.00287	1	06/15/2025 01:58	WG2538916
Di-isopropyl ether	ND		0.00115	1	06/15/2025 01:58	WG2538916
Ethylbenzene	ND		0.0115	1	06/15/2025 01:58	WG2538916
Hexachloro-1,3-butadiene	ND	C3	0.0287	1	06/15/2025 01:58	WG2538916
Isopropylbenzene	ND		0.00287	1	06/15/2025 01:58	WG2538916
p-Isopropyltoluene	ND		0.00575	1	06/15/2025 01:58	WG2538916
2-Butanone (MEK)	ND	J3 J4	0.115	1	06/15/2025 01:58	WG2538916
Methylene Chloride	ND		0.0287	1	06/15/2025 01:58	WG2538916
4-Methyl-2-pentanone (MIBK)	ND		0.0287	1	06/15/2025 01:58	WG2538916
Methyl tert-butyl ether	ND		0.00115	1	06/15/2025 01:58	WG2538916
n-Propylbenzene	ND		0.00575	1	06/15/2025 01:58	WG2538916
Styrene	ND		0.0144	1	06/15/2025 01:58	WG2538916
1,1,1,2-Tetrachloroethane	ND		0.00287	1	06/15/2025 01:58	WG2538916
1,1,2,2-Tetrachloroethane	ND		0.00287	1	06/15/2025 01:58	WG2538916
1,1,2-Trichlorotrifluoroethane	ND		0.00287	1	06/15/2025 01:58	WG2538916
Tetrachloroethene	ND		0.00287	1	06/15/2025 01:58	WG2538916
Toluene	ND		0.0115	1	06/15/2025 01:58	WG2538916
1,2,3-Trichlorobenzene	ND	C3	0.0144	1	06/15/2025 01:58	WG2538916
1,2,4-Trichlorobenzene	ND	C3	0.0144	1	06/15/2025 01:58	WG2538916
1,1,1-Trichloroethane	ND		0.00287	1	06/15/2025 01:58	WG2538916
1,1,2-Trichloroethane	ND		0.00287	1	06/15/2025 01:58	WG2538916
Trichloroethene	ND		0.00115	1	06/15/2025 01:58	WG2538916
Trichlorofluoromethane	ND		0.00287	1	06/15/2025 01:58	WG2538916
1,2,3-Trichloropropane	ND		0.0144	1	06/15/2025 01:58	WG2538916
1,2,3-Trimethylbenzene	ND		0.00575	1	06/15/2025 01:58	WG2538916
1,2,4-Trimethylbenzene	ND		0.00575	1	06/15/2025 01:58	WG2538916
1,3,5-Trimethylbenzene	ND		0.00575	1	06/15/2025 01:58	WG2538916
Vinyl chloride	ND		0.00287	1	06/15/2025 01:58	WG2538916
Xylenes, Total	ND		0.115	1	06/15/2025 01:58	WG2538916
(S) Toluene-d8	97.1		75.0-131		06/15/2025 01:58	WG2538916
(S) 4-Bromofluorobenzene	98.0		67.0-138		06/15/2025 01:58	WG2538916
(S) 1,2-Dichloroethane-d4	101		70.0-130		06/15/2025 01:58	WG2538916



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	31.3		4.30	1	06/20/2025 14:58	WG2542148
C28-C36 Motor Oil Range	135		4.30	1	06/20/2025 14:58	WG2542148
(S) o-Terphenyl	72.2		18.0-148		06/20/2025 14:58	WG2542148

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		0.0716	2	06/20/2025 06:03	WG2542351
Benzidine	ND	J4	3.59	2	06/20/2025 06:03	WG2542351
Benzo(g,h,i)perylene	ND		0.0716	2	06/20/2025 06:03	WG2542351
Bis(2-chlorethoxy)methane	ND		0.716	2	06/20/2025 06:03	WG2542351
Bis(2-chloroethyl)ether	ND		0.716	2	06/20/2025 06:03	WG2542351
2,2-Oxybis(1-Chloropropane)	ND		0.716	2	06/20/2025 06:03	WG2542351
4-Bromophenyl-phenylether	ND		0.716	2	06/20/2025 06:03	WG2542351
2-Chloronaphthalene	ND		0.0716	2	06/20/2025 06:03	WG2542351
4-Chlorophenyl-phenylether	ND		0.716	2	06/20/2025 06:03	WG2542351
1,2-Dichlorobenzene	ND		0.716	2	06/20/2025 06:03	WG2542351
1,3-Dichlorobenzene	ND		0.716	2	06/20/2025 06:03	WG2542351
1,4-Dichlorobenzene	ND		0.716	2	06/20/2025 06:03	WG2542351
3,3-Dichlorobenzidine	ND		0.716	2	06/20/2025 06:03	WG2542351
2,4-Dinitrotoluene	ND		0.716	2	06/20/2025 06:03	WG2542351
2,6-Dinitrotoluene	ND		0.716	2	06/20/2025 06:03	WG2542351
Hexachlorobenzene	ND		0.716	2	06/20/2025 06:03	WG2542351
Hexachloro-1,3-butadiene	ND		0.716	2	06/20/2025 06:03	WG2542351
Hexachlorocyclopentadiene	ND	C3 C7	0.716	2	06/20/2025 06:03	WG2542351
Hexachloroethane	ND		0.716	2	06/20/2025 06:03	WG2542351
Isophorone	ND		0.716	2	06/20/2025 06:03	WG2542351
Nitrobenzene	ND		0.716	2	06/20/2025 06:03	WG2542351
n-Nitrosodimethylamine	ND		0.716	2	06/20/2025 06:03	WG2542351
n-Nitrosodiphenylamine	ND		0.716	2	06/20/2025 06:03	WG2542351
n-Nitrosodi-n-propylamine	ND		0.716	2	06/20/2025 06:03	WG2542351
Phenanthrene	ND		0.0716	2	06/20/2025 06:03	WG2542351
Benzylbutyl phthalate	ND		0.716	2	06/20/2025 06:03	WG2542351
Bis(2-ethylhexyl)phthalate	ND		0.716	2	06/20/2025 06:03	WG2542351
Di-n-butyl phthalate	ND		0.716	2	06/20/2025 06:03	WG2542351
Diethyl phthalate	ND		0.716	2	06/20/2025 06:03	WG2542351
Dimethyl phthalate	ND		0.716	2	06/20/2025 06:03	WG2542351
Di-n-octyl phthalate	ND		0.716	2	06/20/2025 06:03	WG2542351
1,2,4-Trichlorobenzene	ND		0.716	2	06/20/2025 06:03	WG2542351
4-Chloro-3-methylphenol	ND		0.716	2	06/20/2025 06:03	WG2542351
2-Chlorophenol	ND		0.716	2	06/20/2025 06:03	WG2542351
2,4-Dichlorophenol	ND		0.716	2	06/20/2025 06:03	WG2542351
2,4-Dimethylphenol	ND		0.716	2	06/20/2025 06:03	WG2542351
4,6-Dinitro-2-methylphenol	ND		0.716	2	06/20/2025 06:03	WG2542351
2,4-Dinitrophenol	ND		0.716	2	06/20/2025 06:03	WG2542351
2-Nitrophenol	ND		0.716	2	06/20/2025 06:03	WG2542351
4-Nitrophenol	ND		0.716	2	06/20/2025 06:03	WG2542351
Pentachlorophenol	ND	C3	0.716	2	06/20/2025 06:03	WG2542351
Phenol	ND		0.716	2	06/20/2025 06:03	WG2542351
2,4,6-Trichlorophenol	ND		0.716	2	06/20/2025 06:03	WG2542351
(S) 2-Fluorophenol	81.1		12.0-120		06/20/2025 06:03	WG2542351
(S) Phenol-d5	64.2		10.0-120		06/20/2025 06:03	WG2542351
(S) Nitrobenzene-d5	67.1		10.0-122		06/20/2025 06:03	WG2542351
(S) 2-Fluorobiphenyl	59.8		15.0-120		06/20/2025 06:03	WG2542351
(S) 2,4,6-Tribromophenol	75.6		10.0-127		06/20/2025 06:03	WG2542351
(S) p-Terphenyl-d14	57.9		10.0-120		06/20/2025 06:03	WG2542351

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

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

L1869905-21 WG2542351: 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		0.0355	1	06/21/2025 04:01	WG2542472
Acenaphthene	ND		0.0355	1	06/21/2025 04:01	WG2542472
Acenaphthylene	ND		0.0355	1	06/21/2025 04:01	WG2542472
Benzo(a)anthracene	ND		0.00645	1	06/21/2025 04:01	WG2542472
Benzo(a)pyrene	ND		0.0355	1	06/21/2025 04:01	WG2542472
Benzo(b)fluoranthene	ND	J4	0.0355	1	06/21/2025 04:01	WG2542472
Benzo(g,h,i)perylene	ND		0.0355	1	06/21/2025 04:01	WG2542472
Benzo(k)fluoranthene	ND		0.0355	1	06/21/2025 04:01	WG2542472
Chrysene	ND		0.0355	1	06/21/2025 04:01	WG2542472
Dibenz(a,h)anthracene	ND		0.0355	1	06/21/2025 04:01	WG2542472
Fluoranthene	ND		0.0355	1	06/21/2025 04:01	WG2542472
Fluorene	ND		0.0355	1	06/21/2025 04:01	WG2542472
Indeno(1,2,3-cd)pyrene	ND		0.0355	1	06/21/2025 04:01	WG2542472
Naphthalene	ND		0.00322	1	06/21/2025 04:01	WG2542472
Phenanthrene	ND		0.0355	1	06/21/2025 04:01	WG2542472
Pyrene	ND		0.0355	1	06/21/2025 04:01	WG2542472
1-Methylnaphthalene	ND		0.00322	1	06/21/2025 04:01	WG2542472
2-Methylnaphthalene	ND		0.0129	1	06/21/2025 04:01	WG2542472
(S) p-Terphenyl-d14	109		23.0-120		06/21/2025 04:01	WG2542472
(S) Nitrobenzene-d5	101		14.0-149		06/21/2025 04:01	WG2542472
(S) 2-Fluorobiphenyl	106		34.0-125		06/21/2025 04:01	WG2542472

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.165		1	06/20/2025 16:00	WG2541748

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1110		21.0	1	06/21/2025 14:22	WG2539012

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	95.0		1	06/14/2025 20:16	WG2538881

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		10.5	1	06/18/2025 13:30	WG2539507

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	1110		105	5	06/21/2025 14:22	WG2542884

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.210	1	06/26/2025 20:03	WG2539253

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	6.27		1	06/21/2025 09:10	WG2542972

Sample Narrative:
L1869905-22 WG2542972: 6.27 at 23.1C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	133	umhos/cm		10.0	1	06/24/2025 20:30	WG2543008

Sample Narrative:
L1869905-22 WG2543008: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		21.0	1	06/15/2025 15:58	WG2539012

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	8880		1700	17	06/18/2025 17:49	WG2539188

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	06/22/2025 00:57	WG2541796

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	3370		21.0	1	06/17/2025 08:44	WG2539349
Antimony	ND		2.10	1	06/17/2025 08:44	WG2539349
Beryllium	ND		0.210	1	06/17/2025 08:44	WG2539349
Calcium	1090		105	1	06/17/2025 08:44	WG2539349
Chromium	4.11		1.05	1	06/17/2025 08:44	WG2539349
Cobalt	2.11		1.05	1	06/17/2025 08:44	WG2539349
Iron	5510		10.5	1	06/17/2025 08:44	WG2539349
Magnesium	1010		105	1	06/17/2025 08:44	WG2539349
Manganese	80.2		1.05	1	06/17/2025 08:44	WG2539349
Potassium	680		105	1	06/17/2025 08:44	WG2539349
Sodium	ND		105	1	06/17/2025 08:44	WG2539349
Thallium	ND		2.10	1	06/17/2025 08:44	WG2539349
Vanadium	7.53		2.10	1	06/17/2025 08:44	WG2539349

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.48		0.105	5	06/17/2025 18:40	WG2539358
Barium	37.7		10.5	5	06/17/2025 18:40	WG2539358
Cadmium	ND		0.105	5	06/17/2025 18:40	WG2539358
Copper	ND		10.5	5	06/17/2025 18:40	WG2539358
Lead	ND		10.5	5	06/17/2025 18:40	WG2539358
Nickel	ND		10.5	5	06/17/2025 18:40	WG2539358
Selenium	0.275		0.105	5	06/17/2025 18:40	WG2539358
Silver	ND		0.526	5	06/17/2025 18:40	WG2539358
Zinc	104		52.6	5	06/17/2025 18:40	WG2539358

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		2.76	25	06/15/2025 10:40	WG2538927
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	99.5		77.0-120		06/15/2025 10:40	WG2538927

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0553	1	06/15/2025 02:18	WG2538916
Acrylonitrile	ND		0.0138	1	06/15/2025 02:18	WG2538916
Benzene	ND		0.00111	1	06/15/2025 02:18	WG2538916
Bromobenzene	ND		0.0138	1	06/15/2025 02:18	WG2538916
Bromodichloromethane	ND		0.00276	1	06/15/2025 02:18	WG2538916
Bromoform	ND		0.0276	1	06/15/2025 02:18	WG2538916
Bromomethane	ND	C3	0.0138	1	06/15/2025 02:18	WG2538916
n-Butylbenzene	ND		0.0138	1	06/15/2025 02:18	WG2538916
sec-Butylbenzene	ND		0.0138	1	06/15/2025 02:18	WG2538916
tert-Butylbenzene	ND		0.00553	1	06/15/2025 02:18	WG2538916
Carbon tetrachloride	ND		0.00553	1	06/15/2025 02:18	WG2538916
Chlorobenzene	ND		0.00276	1	06/15/2025 02:18	WG2538916
Chlorodibromomethane	ND		0.00276	1	06/15/2025 02:18	WG2538916



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	C3 J3	0.00553	1	06/15/2025 02:18	WG2538916
Chloroform	ND		0.00276	1	06/15/2025 02:18	WG2538916
Chloromethane	ND		0.0138	1	06/15/2025 02:18	WG2538916
2-Chlorotoluene	ND		0.00276	1	06/15/2025 02:18	WG2538916
4-Chlorotoluene	ND		0.00553	1	06/15/2025 02:18	WG2538916
1,2-Dibromo-3-Chloropropane	ND		0.0276	1	06/15/2025 02:18	WG2538916
1,2-Dibromoethane	ND		0.00276	1	06/15/2025 02:18	WG2538916
Dibromomethane	ND		0.00553	1	06/15/2025 02:18	WG2538916
1,2-Dichlorobenzene	ND		0.00553	1	06/15/2025 02:18	WG2538916
1,3-Dichlorobenzene	ND		0.00553	1	06/15/2025 02:18	WG2538916
1,4-Dichlorobenzene	ND		0.00553	1	06/15/2025 02:18	WG2538916
Dichlorodifluoromethane	ND		0.00553	1	06/15/2025 02:18	WG2538916
1,1-Dichloroethane	ND		0.00276	1	06/15/2025 02:18	WG2538916
1,2-Dichloroethane	ND		0.00276	1	06/15/2025 02:18	WG2538916
1,1-Dichloroethene	ND		0.00276	1	06/15/2025 02:18	WG2538916
cis-1,2-Dichloroethene	ND		0.00276	1	06/15/2025 02:18	WG2538916
trans-1,2-Dichloroethene	ND		0.00553	1	06/15/2025 02:18	WG2538916
1,2-Dichloropropane	ND		0.00553	1	06/15/2025 02:18	WG2538916
1,1-Dichloropropene	ND		0.00276	1	06/15/2025 02:18	WG2538916
1,3-Dichloropropane	ND		0.00553	1	06/15/2025 02:18	WG2538916
cis-1,3-Dichloropropene	ND		0.00276	1	06/15/2025 02:18	WG2538916
trans-1,3-Dichloropropene	ND		0.00553	1	06/15/2025 02:18	WG2538916
2,2-Dichloropropane	ND	C3	0.00276	1	06/15/2025 02:18	WG2538916
Di-isopropyl ether	ND		0.00111	1	06/15/2025 02:18	WG2538916
Ethylbenzene	ND		0.0111	1	06/15/2025 02:18	WG2538916
Hexachloro-1,3-butadiene	ND	C3	0.0276	1	06/15/2025 02:18	WG2538916
Isopropylbenzene	ND		0.00276	1	06/15/2025 02:18	WG2538916
p-Isopropyltoluene	ND		0.00553	1	06/15/2025 02:18	WG2538916
2-Butanone (MEK)	ND	J3 J4	0.111	1	06/15/2025 02:18	WG2538916
Methylene Chloride	ND		0.0276	1	06/15/2025 02:18	WG2538916
4-Methyl-2-pentanone (MIBK)	ND		0.0276	1	06/15/2025 02:18	WG2538916
Methyl tert-butyl ether	ND		0.00111	1	06/15/2025 02:18	WG2538916
n-Propylbenzene	ND		0.00553	1	06/15/2025 02:18	WG2538916
Styrene	ND		0.0138	1	06/15/2025 02:18	WG2538916
1,1,1,2-Tetrachloroethane	ND		0.00276	1	06/15/2025 02:18	WG2538916
1,1,2,2-Tetrachloroethane	ND		0.00276	1	06/15/2025 02:18	WG2538916
1,1,2-Trichlorotrifluoroethane	ND		0.00276	1	06/15/2025 02:18	WG2538916
Tetrachloroethene	ND		0.00276	1	06/15/2025 02:18	WG2538916
Toluene	ND		0.0111	1	06/15/2025 02:18	WG2538916
1,2,3-Trichlorobenzene	ND	C3	0.0138	1	06/15/2025 02:18	WG2538916
1,2,4-Trichlorobenzene	ND	C3	0.0138	1	06/15/2025 02:18	WG2538916
1,1,1-Trichloroethane	ND		0.00276	1	06/15/2025 02:18	WG2538916
1,1,2-Trichloroethane	ND		0.00276	1	06/15/2025 02:18	WG2538916
Trichloroethene	ND		0.00111	1	06/15/2025 02:18	WG2538916
Trichlorofluoromethane	ND		0.00276	1	06/15/2025 02:18	WG2538916
1,2,3-Trichloropropane	ND		0.0138	1	06/15/2025 02:18	WG2538916
1,2,3-Trimethylbenzene	ND		0.00553	1	06/15/2025 02:18	WG2538916
1,2,4-Trimethylbenzene	ND		0.00553	1	06/15/2025 02:18	WG2538916
1,3,5-Trimethylbenzene	ND		0.00553	1	06/15/2025 02:18	WG2538916
Vinyl chloride	ND		0.00276	1	06/15/2025 02:18	WG2538916
Xylenes, Total	ND		0.111	1	06/15/2025 02:18	WG2538916
(S) Toluene-d8	101		75.0-131		06/15/2025 02:18	WG2538916
(S) 4-Bromofluorobenzene	91.9		67.0-138		06/15/2025 02:18	WG2538916
(S) 1,2-Dichloroethane-d4	99.6		70.0-130		06/15/2025 02:18	WG2538916

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	24.7		4.21	1	06/20/2025 14:58	WG2542148
C28-C36 Motor Oil Range	92.6		4.21	1	06/20/2025 14:58	WG2542148
(S) o-Terphenyl	60.1		18.0-148		06/20/2025 14:58	WG2542148

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		0.0701	2	06/20/2025 06:24	WG2542351
Benzidine	ND	J4	3.52	2	06/20/2025 06:24	WG2542351
Benzo(g,h,i)perylene	ND		0.0701	2	06/20/2025 06:24	WG2542351
Bis(2-chlorethoxy)methane	ND		0.701	2	06/20/2025 06:24	WG2542351
Bis(2-chloroethyl)ether	ND		0.701	2	06/20/2025 06:24	WG2542351
2,2-Oxybis(1-Chloropropane)	ND		0.701	2	06/20/2025 06:24	WG2542351
4-Bromophenyl-phenylether	ND		0.701	2	06/20/2025 06:24	WG2542351
2-Chloronaphthalene	ND		0.0701	2	06/20/2025 06:24	WG2542351
4-Chlorophenyl-phenylether	ND		0.701	2	06/20/2025 06:24	WG2542351
1,2-Dichlorobenzene	ND		0.701	2	06/20/2025 06:24	WG2542351
1,3-Dichlorobenzene	ND		0.701	2	06/20/2025 06:24	WG2542351
1,4-Dichlorobenzene	ND		0.701	2	06/20/2025 06:24	WG2542351
3,3-Dichlorobenzidine	ND		0.701	2	06/20/2025 06:24	WG2542351
2,4-Dinitrotoluene	ND		0.701	2	06/20/2025 06:24	WG2542351
2,6-Dinitrotoluene	ND		0.701	2	06/20/2025 06:24	WG2542351
Hexachlorobenzene	ND		0.701	2	06/20/2025 06:24	WG2542351
Hexachloro-1,3-butadiene	ND		0.701	2	06/20/2025 06:24	WG2542351
Hexachlorocyclopentadiene	ND	C3 C7	0.701	2	06/20/2025 06:24	WG2542351
Hexachloroethane	ND		0.701	2	06/20/2025 06:24	WG2542351
Isophorone	ND		0.701	2	06/20/2025 06:24	WG2542351
Nitrobenzene	ND		0.701	2	06/20/2025 06:24	WG2542351
n-Nitrosodimethylamine	ND		0.701	2	06/20/2025 06:24	WG2542351
n-Nitrosodiphenylamine	ND		0.701	2	06/20/2025 06:24	WG2542351
n-Nitrosodi-n-propylamine	ND		0.701	2	06/20/2025 06:24	WG2542351
Phenanthrene	ND		0.0701	2	06/20/2025 06:24	WG2542351
Benzylbutyl phthalate	ND		0.701	2	06/20/2025 06:24	WG2542351
Bis(2-ethylhexyl)phthalate	ND		0.701	2	06/20/2025 06:24	WG2542351
Di-n-butyl phthalate	ND		0.701	2	06/20/2025 06:24	WG2542351
Diethyl phthalate	ND		0.701	2	06/20/2025 06:24	WG2542351
Dimethyl phthalate	ND		0.701	2	06/20/2025 06:24	WG2542351
Di-n-octyl phthalate	ND		0.701	2	06/20/2025 06:24	WG2542351
1,2,4-Trichlorobenzene	ND		0.701	2	06/20/2025 06:24	WG2542351
4-Chloro-3-methylphenol	ND		0.701	2	06/20/2025 06:24	WG2542351
2-Chlorophenol	ND		0.701	2	06/20/2025 06:24	WG2542351
2,4-Dichlorophenol	ND		0.701	2	06/20/2025 06:24	WG2542351
2,4-Dimethylphenol	ND		0.701	2	06/20/2025 06:24	WG2542351
4,6-Dinitro-2-methylphenol	ND		0.701	2	06/20/2025 06:24	WG2542351
2,4-Dinitrophenol	ND		0.701	2	06/20/2025 06:24	WG2542351
2-Nitrophenol	ND		0.701	2	06/20/2025 06:24	WG2542351
4-Nitrophenol	ND		0.701	2	06/20/2025 06:24	WG2542351
Pentachlorophenol	ND	C3	0.701	2	06/20/2025 06:24	WG2542351
Phenol	ND		0.701	2	06/20/2025 06:24	WG2542351
2,4,6-Trichlorophenol	ND		0.701	2	06/20/2025 06:24	WG2542351
(S) 2-Fluorophenol	80.7		12.0-120		06/20/2025 06:24	WG2542351
(S) Phenol-d5	68.0		10.0-120		06/20/2025 06:24	WG2542351
(S) Nitrobenzene-d5	66.7		10.0-122		06/20/2025 06:24	WG2542351
(S) 2-Fluorobiphenyl	68.8		15.0-120		06/20/2025 06:24	WG2542351
(S) 2,4,6-Tribromophenol	74.4		10.0-127		06/20/2025 06:24	WG2542351
(S) p-Terphenyl-d14	69.8		10.0-120		06/20/2025 06:24	WG2542351

1

Cp

2

Tc

3

Ss

4

Cn

5

Ds

6

Sr

7

Qc

8

Gl

9

Al

10

Sc

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

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

L1869905-22 WG2542351: 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	06/21/2025 04:40	WG2542472
Acenaphthene	ND		0.0347	1	06/21/2025 04:40	WG2542472
Acenaphthylene	ND		0.0347	1	06/21/2025 04:40	WG2542472
Benzo(a)anthracene	ND		0.00631	1	06/21/2025 04:40	WG2542472
Benzo(a)pyrene	ND		0.0347	1	06/21/2025 04:40	WG2542472
Benzo(b)fluoranthene	ND	J4	0.0347	1	06/21/2025 04:40	WG2542472
Benzo(g,h,i)perylene	ND		0.0347	1	06/21/2025 04:40	WG2542472
Benzo(k)fluoranthene	ND		0.0347	1	06/21/2025 04:40	WG2542472
Chrysene	ND		0.0347	1	06/21/2025 04:40	WG2542472
Dibenz(a,h)anthracene	ND		0.0347	1	06/21/2025 04:40	WG2542472
Fluoranthene	ND		0.0347	1	06/21/2025 04:40	WG2542472
Fluorene	ND		0.0347	1	06/21/2025 04:40	WG2542472
Indeno(1,2,3-cd)pyrene	ND		0.0347	1	06/21/2025 04:40	WG2542472
Naphthalene	ND		0.00316	1	06/21/2025 04:40	WG2542472
Phenanthrene	ND		0.0347	1	06/21/2025 04:40	WG2542472
Pyrene	ND		0.0347	1	06/21/2025 04:40	WG2542472
1-Methylnaphthalene	ND		0.00316	1	06/21/2025 04:40	WG2542472
2-Methylnaphthalene	ND		0.0126	1	06/21/2025 04:40	WG2542472
(S) p-Terphenyl-d14	122	J1	23.0-120		06/21/2025 04:40	WG2542472
(S) Nitrobenzene-d5	116		14.0-149		06/21/2025 04:40	WG2542472
(S) 2-Fluorobiphenyl	122		34.0-125		06/21/2025 04:40	WG2542472

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch	
Acetone	ND		0.0500	1	06/15/2025 15:48	WG2539124	¹ Cp
Acrolein	ND		0.0500	1	06/15/2025 15:48	WG2539124	² Tc
Acrylonitrile	ND		0.0100	1	06/15/2025 15:48	WG2539124	³ Ss
Benzene	ND		0.00100	1	06/15/2025 15:48	WG2539124	⁴ Cn
Bromobenzene	ND		0.00100	1	06/15/2025 15:48	WG2539124	⁵ Ds
Bromodichloromethane	ND		0.00100	1	06/15/2025 15:48	WG2539124	⁶ Sr
Bromoform	ND		0.00100	1	06/15/2025 15:48	WG2539124	⁷ Qc
Bromomethane	ND		0.00500	1	06/15/2025 15:48	WG2539124	⁸ Gl
n-Butylbenzene	ND		0.00100	1	06/15/2025 15:48	WG2539124	⁹ Al
sec-Butylbenzene	ND		0.00100	1	06/15/2025 15:48	WG2539124	¹⁰ Sc
tert-Butylbenzene	ND		0.00100	1	06/15/2025 15:48	WG2539124	
Carbon tetrachloride	ND		0.00100	1	06/15/2025 15:48	WG2539124	
Chlorobenzene	ND		0.00100	1	06/15/2025 15:48	WG2539124	
Chlorodibromomethane	ND		0.00100	1	06/15/2025 15:48	WG2539124	
Chloroethane	ND		0.00500	1	06/15/2025 15:48	WG2539124	
Chloroform	ND		0.00500	1	06/15/2025 15:48	WG2539124	
Chloromethane	ND		0.00250	1	06/15/2025 15:48	WG2539124	
2-Chlorotoluene	ND		0.00100	1	06/15/2025 15:48	WG2539124	
4-Chlorotoluene	ND		0.00100	1	06/15/2025 15:48	WG2539124	
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	06/15/2025 15:48	WG2539124	
1,2-Dibromoethane	ND		0.00100	1	06/15/2025 15:48	WG2539124	
Dibromomethane	ND		0.00100	1	06/15/2025 15:48	WG2539124	
1,2-Dichlorobenzene	ND		0.00100	1	06/15/2025 15:48	WG2539124	
1,3-Dichlorobenzene	ND		0.00100	1	06/15/2025 15:48	WG2539124	
1,4-Dichlorobenzene	ND		0.00100	1	06/15/2025 15:48	WG2539124	
Dichlorodifluoromethane	ND		0.00500	1	06/15/2025 15:48	WG2539124	
1,1-Dichloroethane	ND		0.00100	1	06/15/2025 15:48	WG2539124	
1,2-Dichloroethane	ND		0.00100	1	06/15/2025 15:48	WG2539124	
1,1-Dichloroethene	ND		0.00100	1	06/15/2025 15:48	WG2539124	
cis-1,2-Dichloroethene	ND		0.00100	1	06/15/2025 15:48	WG2539124	
trans-1,2-Dichloroethene	ND		0.00100	1	06/15/2025 15:48	WG2539124	
1,2-Dichloropropane	ND		0.00100	1	06/15/2025 15:48	WG2539124	
1,1-Dichloropropene	ND		0.00100	1	06/15/2025 15:48	WG2539124	
1,3-Dichloropropane	ND		0.00100	1	06/15/2025 15:48	WG2539124	
cis-1,3-Dichloropropene	ND		0.00100	1	06/15/2025 15:48	WG2539124	
trans-1,3-Dichloropropene	ND		0.00100	1	06/15/2025 15:48	WG2539124	
2,2-Dichloropropane	ND		0.00100	1	06/15/2025 15:48	WG2539124	
Di-isopropyl ether	ND		0.00100	1	06/15/2025 15:48	WG2539124	
Ethylbenzene	ND		0.00100	1	06/15/2025 15:48	WG2539124	
Hexachloro-1,3-butadiene	ND		0.00100	1	06/15/2025 15:48	WG2539124	
Isopropylbenzene	ND		0.00100	1	06/15/2025 15:48	WG2539124	
p-Isopropyltoluene	ND		0.00100	1	06/15/2025 15:48	WG2539124	
2-Butanone (MEK)	ND		0.0100	1	06/15/2025 15:48	WG2539124	
Methylene Chloride	ND		0.00500	1	06/15/2025 15:48	WG2539124	
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	06/15/2025 15:48	WG2539124	
Methyl tert-butyl ether	ND		0.00100	1	06/15/2025 15:48	WG2539124	
Naphthalene	ND		0.00500	1	06/15/2025 15:48	WG2539124	
n-Propylbenzene	ND		0.00100	1	06/15/2025 15:48	WG2539124	
Styrene	ND		0.00100	1	06/15/2025 15:48	WG2539124	
1,1,1,2-Tetrachloroethane	ND		0.00100	1	06/15/2025 15:48	WG2539124	
1,1,2,2-Tetrachloroethane	ND		0.00100	1	06/15/2025 15:48	WG2539124	
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	06/15/2025 15:48	WG2539124	
Tetrachloroethene	ND		0.00100	1	06/15/2025 15:48	WG2539124	
Toluene	ND		0.00100	1	06/15/2025 15:48	WG2539124	
1,2,3-Trichlorobenzene	ND		0.00100	1	06/15/2025 15:48	WG2539124	
1,2,4-Trichlorobenzene	ND	C3	0.00100	1	06/15/2025 15:48	WG2539124	

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00100	1	06/15/2025 15:48	WG2539124
1,1,2-Trichloroethane	ND		0.00100	1	06/15/2025 15:48	WG2539124
Trichloroethene	ND		0.00100	1	06/15/2025 15:48	WG2539124
Trichlorofluoromethane	ND		0.00500	1	06/15/2025 15:48	WG2539124
1,2,3-Trichloropropane	ND		0.00250	1	06/15/2025 15:48	WG2539124
1,2,4-Trimethylbenzene	ND		0.00100	1	06/15/2025 15:48	WG2539124
1,2,3-Trimethylbenzene	ND		0.00100	1	06/15/2025 15:48	WG2539124
1,3,5-Trimethylbenzene	ND		0.00100	1	06/15/2025 15:48	WG2539124
Vinyl chloride	ND		0.00100	1	06/15/2025 15:48	WG2539124
Xylenes, Total	ND		0.00300	1	06/15/2025 15:48	WG2539124
(S) Toluene-d8	99.9		80.0-120		06/15/2025 15:48	WG2539124
(S) 4-Bromofluorobenzene	99.7		77.0-126		06/15/2025 15:48	WG2539124
(S) 1,2-Dichloroethane-d4	102		70.0-130		06/15/2025 15:48	WG2539124

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	0.700		0.257	0.257	0.558	0.247	06/17/2025 11:48	WG2540194
Bismuth-214 (Ra-226)	0.381		0.180	0.180	0.306	0.138	06/17/2025 11:48	WG2540194
Lead-214	0.497		0.163	0.163	0.296	0.136	06/17/2025 11:48	WG2540194
Thorium-234 (U-238)	-0.681	U	1.45	1.45	3.21	1.27	06/17/2025 11:48	WG2540194
Radium-226 (186 KeV)	0.266	U	0.882	0.882	1.73	0.809	06/17/2025 11:48	WG2540194

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	0.998		0.268	0.268	0.488	0.215	06/17/2025 11:59	WG2540194
Bismuth-214 (Ra-226)	0.798		0.190	0.190	0.254	0.114	06/17/2025 11:59	WG2540194
Lead-214	0.786		0.177	0.177	0.213	0.0961	06/17/2025 11:59	WG2540194
Thorium-234 (U-238)	-0.297	U	1.24	1.24	2.87	1.14	06/17/2025 11:59	WG2540194
Radium-226 (186 KeV)	1.25	U	0.802	0.802	1.43	0.671	06/17/2025 11:59	WG2540194

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	0.990		0.262	0.262	0.433	0.185	06/17/2025 12:40	WG2540194
Bismuth-214 (Ra-226)	0.512		0.169	0.169	0.251	0.112	06/17/2025 12:40	WG2540194
Lead-214	0.604		0.153	0.153	0.247	0.112	06/17/2025 12:40	WG2540194
Thorium-234 (U-238)	1.05	J	0.851	0.851	1.85	0.741	06/17/2025 12:40	WG2540194
Radium-226 (186 KeV)	1.57		0.754	0.754	1.25	0.583	06/17/2025 12:40	WG2540194

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	0.979		0.416	0.416	0.890	0.396	06/17/2025 12:41	WG2540194
Bismuth-214 (Ra-226)	0.729		0.269	0.269	0.414	0.185	06/17/2025 12:41	WG2540194
Lead-214	0.738		0.209	0.209	0.332	0.149	06/17/2025 12:41	WG2540194
Thorium-234 (U-238)	-0.361	U	1.70	1.70	3.84	1.52	06/17/2025 12:41	WG2540194
Radium-226 (186 KeV)	0.926	U	1.07	1.07	1.99	0.930	06/17/2025 12:41	WG2540194

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	0.754		0.244	0.244	0.515	0.230	06/17/2025 12:42	WG2540194
Bismuth-214 (Ra-226)	0.489		0.165	0.165	0.260	0.118	06/17/2025 12:42	WG2540194
Lead-214	0.500		0.139	0.139	0.212	0.0958	06/17/2025 12:42	WG2540194
Thorium-234 (U-238)	-1.45	U	1.39	1.39	2.94	1.16	06/17/2025 12:42	WG2540194
Radium-226 (186 KeV)	1.11	U	0.775	0.775	1.41	0.659	06/17/2025 12:42	WG2540194

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	1.02		0.326	0.326	0.618	0.262	06/17/2025 12:44	WG2540194
Bismuth-214 (Ra-226)	0.645		0.222	0.222	0.324	0.142	06/17/2025 12:44	WG2540194
Lead-214	0.720		0.180	0.180	0.274	0.121	06/17/2025 12:44	WG2540194
Thorium-234 (U-238)	1.91	J	1.36	1.36	2.38	0.924	06/17/2025 12:44	WG2540194
Radium-226 (186 KeV)	1.59		0.902	0.902	1.56	0.717	06/17/2025 12:44	WG2540194

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	0.918		0.285	0.285	0.547	0.235	06/17/2025 12:45	WG2540194
Bismuth-214 (Ra-226)	0.696		0.194	0.194	0.261	0.115	06/17/2025 12:45	WG2540194
Lead-214	0.699		0.215	0.215	0.197	0.0879	06/17/2025 12:45	WG2540194
Thorium-234 (U-238)	0.986	J	0.812	0.812	1.64	0.648	06/17/2025 12:45	WG2540194
Radium-226 (186 KeV)	0.940		0.528	0.528	0.847	0.391	06/17/2025 12:45	WG2540194

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	0.955		0.246	0.246	0.399	0.173	06/17/2025 12:47	WG2540194
Bismuth-214 (Ra-226)	0.534		0.163	0.163	0.241	0.108	06/17/2025 12:47	WG2540194
Lead-214	0.808		0.180	0.180	0.228	0.104	06/17/2025 12:47	WG2540194
Thorium-234 (U-238)	1.21	U	1.26	1.26	2.41	0.952	06/17/2025 12:47	WG2540194
Radium-226 (186 KeV)	0.564	U	0.726	0.726	1.37	0.641	06/17/2025 12:47	WG2540194

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	0.940		0.412	0.412	0.905	0.373	06/17/2025 12:49	WG2540194
Bismuth-214 (Ra-226)	0.815		0.298	0.298	0.423	0.179	06/17/2025 12:49	WG2540194
Lead-214	0.664		0.237	0.237	0.413	0.183	06/17/2025 12:49	WG2540194
Thorium-234 (U-238)	0.337	U	0.887	0.887	2.35	0.924	06/17/2025 12:49	WG2540194
Radium-226 (186 KeV)	0.982	U	1.14	1.14	1.97	0.906	06/17/2025 12:49	WG2540194

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	0.702		0.239	0.239	0.413	0.178	06/17/2025 12:50	WG2540194
Bismuth-214 (Ra-226)	0.717		0.160	0.160	0.191	0.0834	06/17/2025 12:50	WG2540194
Lead-214	0.744		0.130	0.130	0.162	0.0721	06/17/2025 12:50	WG2540194
Thorium-234 (U-238)	0.882	J	0.728	0.728	1.46	0.582	06/17/2025 12:50	WG2540194
Radium-226 (186 KeV)	0.950	J	0.631	0.631	1.03	0.479	06/17/2025 12:50	WG2540194

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	0.779		0.295	0.295	0.532	0.221	06/17/2025 13:52	WG2540194
Bismuth-214 (Ra-226)	0.593		0.217	0.217	0.330	0.146	06/17/2025 13:52	WG2540194
Lead-214	0.700		0.190	0.190	0.299	0.134	06/17/2025 13:52	WG2540194
Thorium-234 (U-238)	1.09	U	1.00	1.00	2.23	0.886	06/17/2025 13:52	WG2540194
Radium-226 (186 KeV)	1.52	U	0.952	0.952	1.63	0.757	06/17/2025 13:52	WG2540194

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	0.630		0.247	0.247	0.464	0.199	06/17/2025 13:53	WG2540194
Bismuth-214 (Ra-226)	0.670		0.180	0.180	0.250	0.111	06/17/2025 13:53	WG2540194
Lead-214	0.683		0.174	0.174	0.220	0.0984	06/17/2025 13:53	WG2540194
Thorium-234 (U-238)	0.845	U	1.39	1.39	2.98	1.18	06/17/2025 13:53	WG2540194
Radium-226 (186 KeV)	0.663	U	0.800	0.800	1.50	0.701	06/17/2025 13:53	WG2540194

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	0.768		0.338	0.338	0.755	0.336	06/17/2025 13:54	WG2540194
Bismuth-214 (Ra-226)	0.740		0.222	0.222	0.308	0.136	06/17/2025 13:54	WG2540194
Lead-214	0.552		0.184	0.184	0.330	0.150	06/17/2025 13:54	WG2540194
Thorium-234 (U-238)	0.960	U	1.56	1.56	3.21	1.27	06/17/2025 13:54	WG2540194
Radium-226 (186 KeV)	0.639	U	0.828	0.828	1.55	0.720	06/17/2025 13:54	WG2540194

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	0.982		0.261	0.261	0.498	0.223	06/17/2025 13:55	WG2540194
Bismuth-214 (Ra-226)	0.636		0.175	0.175	0.260	0.118	06/17/2025 13:55	WG2540194
Lead-214	0.443		0.139	0.139	0.245	0.113	06/17/2025 13:55	WG2540194
Thorium-234 (U-238)	-0.598	U	1.30	1.30	2.84	1.12	06/17/2025 13:55	WG2540194
Radium-226 (186 KeV)	0.500	U	0.777	0.777	1.49	0.696	06/17/2025 13:55	WG2540194

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	0.686		0.216	0.216	0.388	0.165	06/17/2025 14:00	WG2540279
Bismuth-214 (Ra-226)	0.489		0.146	0.146	0.204	0.0898	06/17/2025 14:00	WG2540279
Lead-214	0.550		0.123	0.123	0.180	0.0811	06/17/2025 14:00	WG2540279
Thorium-234 (U-238)	0.875	J	0.730	0.730	1.51	0.601	06/17/2025 14:00	WG2540279
Radium-226 (186 KeV)	1.07		0.606	0.606	0.968	0.450	06/17/2025 14:00	WG2540279

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	0.550	J	0.363	0.363	0.902	0.385	06/17/2025 14:15	WG2540279
Bismuth-214 (Ra-226)	0.613		0.242	0.242	0.346	0.146	06/17/2025 14:15	WG2540279
Lead-214	0.818		0.213	0.213	0.311	0.136	06/17/2025 14:15	WG2540279
Thorium-234 (U-238)	0.233	U	0.775	0.775	2.01	0.795	06/17/2025 14:15	WG2540279
Radium-226 (186 KeV)	1.19	J	0.992	0.992	1.66	0.767	06/17/2025 14:15	WG2540279

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	0.824		0.221	0.221	0.400	0.176	06/17/2025 14:40	WG2540279
Bismuth-214 (Ra-226)	0.573		0.147	0.147	0.205	0.0922	06/17/2025 14:40	WG2540279
Lead-214	0.662		0.157	0.157	0.207	0.0950	06/17/2025 14:40	WG2540279
Thorium-234 (U-238)	0.521	U	1.00	1.00	2.23	0.883	06/17/2025 14:40	WG2540279
Radium-226 (186 KeV)	1.02	U	0.642	0.642	1.15	0.536	06/17/2025 14:40	WG2540279

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	1.24		0.435	0.435	0.877	0.388	06/17/2025 14:41	WG2540279
Bismuth-214 (Ra-226)	0.628		0.254	0.254	0.400	0.178	06/17/2025 14:41	WG2540279
Lead-214	0.755		0.217	0.217	0.349	0.157	06/17/2025 14:41	WG2540279
Thorium-234 (U-238)	2.24	J	2.02	2.02	3.77	1.49	06/17/2025 14:41	WG2540279
Radium-226 (186 KeV)	1.38	J	1.12	1.12	2.04	0.949	06/17/2025 14:41	WG2540279

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4231628-2 06/17/25 11:09

Analyte	MB Result pCi/g	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/g	MB Lc pCi/g
Actinium-228 (Ra-228)	0.135	☐	0.123	0.274	0.108
Americium-241	-0.359	☐	0.593	1.19	0.542
Bismuth-214 (Ra-226)	0.0215	☐	0.0828	0.173	0.0729
Cesium-137	0.00965	☐	0.0595	0.126	0.0551
Cobalt-60	0.00217	☐	0.0339	0.120	0.0488
Lead-214	-0.0277	☐	0.0705	0.156	0.0678
Radium-226 (186 KeV)	0.138	☐	0.533	1.06	0.485
Thorium-234 (U-238)	0.848	☐	0.947	2.05	0.797

L1869901-28 Original Sample (OS) • Duplicate (DUP)

(OS) L1869901-28 06/17/25 11:23 • (DUP) R4231628-4 06/17/25 13:56

Analyte	Original Result pCi/g	Original 2 sigma CE + / -	Original MDA pCi/g	Original Lc pCi/g	DUP Result pCi/g	DUP 2 sigma CE + / -	DUP MDA pCi/g	DUP Lc pCi/g	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Actinium-228 (Ra-228)	0.621	0.254	0.493	0.210	0.673	0.233	0.479	0.205	8.02	0.150		20	3
Bismuth-214 (Ra-226)	0.605	0.181	0.243	0.106	0.506	0.173	0.258	0.115	18.0	0.399		20	3
Lead-214	0.534	0.157	0.269	0.122	0.478	0.200	0.182	0.0813	11.1	0.220		20	3
Radium-226 (186 KeV)	0.804	0.759	1.35	0.628	0.976	0.490	0.773	0.357	19.4	0.191		20	3
Thorium-234 (U-238)	1.11	0.920	1.85	0.737	-0.137	0.634	1.54	0.610	200	1.11	☐	20	3

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

(LCS) R4231628-1 06/17/25 11:08 • (LCSD) R4231628-3 06/17/25 11:25

Analyte	Spike Amount pCi/g	LCS Result pCi/g	LCSD Result pCi/g	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Americium-241	79.3	82.7	68.1	104	85.8	80.0-120			19.4	20
Cesium-137	116	107	107	92.5	91.9	80.0-120			0.655	20
Cobalt-60	135	118	125	87.4	92.4	80.0-120			5.59	20

1

Cp

2

Tc

3

Ss

4

Cn

5

Ds

6

Sr

7

Qc

8

Gl

9

Al

10

Sc

Method Blank (MB)

(MB) R4231850-2 06/17/25 13:58

Analyte	MB Result pCi/g	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/g	MB Lc pCi/g
Actinium-228 (Ra-228)	-0.0977	⌋	0.168	0.502	0.197
Americium-241	0.201	⌋	0.394	0.717	0.297
Bismuth-214 (Ra-226)	-0.0537	⌋	0.110	0.269	0.110
Cesium-137	-0.0172	⌋	0.0535	0.135	0.0538
Cobalt-60	0.0231	⌋	0.0440	0.161	0.0591
Lead-214	-0.0223	⌋	0.0846	0.212	0.0878
Radium-226 (186 KeV)	0.634	⌋	0.617	1.14	0.497
Thorium-234 (U-238)	1.10	⌋	0.896	1.85	0.686

L1869905-38 Original Sample (OS) • Duplicate (DUP)

(OS) L1869905-38 06/17/25 14:00 • (DUP) R4231850-4 06/17/25 15:09

Analyte	Original Result pCi/g	Original 2 sigma CE + / -	Original MDA pCi/g	Original Lc pCi/g	DUP Result pCi/g	DUP 2 sigma CE + / -	DUP MDA pCi/g	DUP Lc pCi/g	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Actinium-228 (Ra-228)	0.686	0.216	0.388	0.165	0.821	0.293	0.611	0.268	17.9	0.372		20	3
Bismuth-214 (Ra-226)	0.489	0.146	0.204	0.0898	0.712	0.215	0.295	0.131	37.1	0.858		20	3
Lead-214	0.550	0.123	0.180	0.0811	0.747	0.178	0.289	0.131	30.3	0.910		20	3
Radium-226 (186 KeV)	1.07	0.606	0.968	0.450	1.71	0.865	1.44	0.670	46.0	0.607		20	3
Thorium-234 (U-238)	0.875	0.730	1.51	0.601	1.58	1.02	2.10	0.837	57.6	0.565	⌋	20	3

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

(LCS) R4231850-1 06/17/25 12:02 • (LCSD) R4231850-3 06/17/25 14:39

Analyte	Spike Amount pCi/g	LCS Result pCi/g	LCSD Result pCi/g	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Americium-241	79.3	73.4	70.9	92.6	89.4	80.0-120			3.52	20
Cesium-137	116	113	110	97.3	94.8	80.0-120			2.60	20
Cobalt-60	135	135	128	99.7	94.2	80.0-120			5.64	20

1

Cp

2

Tc

3

Ss

4

Cn

5

Ds

6

Sr

7

Qc

8

Gl

9

Al

10

Sc

Method Blank (MB)

(MB) R4230655-1 06/14/25 19:49

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

L1869905-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1869905-11 06/14/25 19:49 • (DUP) R4230655-3 06/14/25 19:49

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	90.3	90.4	1	0.149		10

Laboratory Control Sample (LCS)

(LCS) R4230655-2 06/14/25 19:49

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

Method Blank (MB)

(MB) R4230660-1 06/14/25 20:16

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

L1869905-22 Original Sample (OS) • Duplicate (DUP)

(OS) L1869905-22 06/14/25 20:16 • (DUP) R4230660-3 06/14/25 20:16

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	95.0	94.7	1	0.295		10

Laboratory Control Sample (LCS)

(LCS) R4230660-2 06/14/25 20:16

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



Method Blank (MB)

(MB) R4231965-1 06/17/25 23:24

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

L1869496-28 Original Sample (OS) • Duplicate (DUP)

(OS) L1869496-28 06/17/25 23:30 • (DUP) R4231965-3 06/17/25 23:32

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

L1869901-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1869901-02 06/17/25 23:35 • (DUP) R4231965-4 06/17/25 23:36

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Ammonia Nitrogen	15.8	17.9	1	12.4		20

Laboratory Control Sample (LCS)

(LCS) R4231965-2 06/17/25 23:26

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Ammonia Nitrogen	250	260	104	90.0-110	

L1869901-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869901-16 06/17/25 23:57 • (MS) R4231965-5 06/18/25 00:03 • (MSD) R4231965-6 06/18/25 00:05

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Ammonia Nitrogen	330	38.4	398	396	109	109	1	90.0-110			0.470	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4232301-1 06/18/25 12:48

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

L1869905-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1869905-06 06/18/25 12:54 • (DUP) R4232301-3 06/18/25 12:56

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Ammonia Nitrogen	820	895	1	8.80		20

L1869905-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1869905-12 06/18/25 13:09 • (DUP) R4232301-6 06/18/25 13:11

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Ammonia Nitrogen	305	316	1	3.50		20

Laboratory Control Sample (LCS)

(LCS) R4232301-2 06/18/25 12:50

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Ammonia Nitrogen	250	254	102	90.0-110	

L1869905-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869905-11 06/18/25 13:03 • (MS) R4232301-4 06/18/25 13:05 • (MSD) R4232301-5 06/18/25 13:07

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Ammonia Nitrogen	277	ND	285	298	103	108	1	90.0-110			4.23	20

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4233845-1 06/20/25 21:50

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

L1869901-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1869901-13 06/20/25 22:13 • (DUP) R4233845-4 06/20/25 22:15

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Kjeldahl Nitrogen, TKN	2070	2070	1	0.0513	E	20

L1869901-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1869901-14 06/20/25 22:20 • (DUP) R4233845-5 06/20/25 22:22

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Kjeldahl Nitrogen, TKN	1460	1250	1	15.1	E	20

Laboratory Control Sample (LCS)

(LCS) R4233845-2 06/20/25 21:52

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Kjeldahl Nitrogen, TKN	624	648	104	81.7-124	

L1869901-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1869901-02 06/20/25 21:54 • (MS) R4233845-3 06/20/25 21:56

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/kg	mg/kg	mg/kg	%		%	
Kjeldahl Nitrogen, TKN	421	1770	2230	110	1	81.7-124	E

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

L1869901-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869901-16 06/20/25 22:24 • (MS) R4233845-6 06/20/25 22:26 • (MSD) R4233845-7 06/20/25 22:28

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Kjeldahl Nitrogen, TKN	528	1920	2220	1880	55.0	0.000	1	81.7-124	<u>E J6</u>	<u>E J6</u>	16.3	20



Method Blank (MB)

(MB) R4234026-1 06/21/25 13:51

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

L1869908-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1869908-06 06/21/25 14:31 • (DUP) R4234026-5 06/21/25 14:33

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Kjeldahl Nitrogen, TKN	200	593	1	99.1	J3	20

L1869908-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1869908-07 06/21/25 14:35 • (DUP) R4234026-6 06/21/25 14:37

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Kjeldahl Nitrogen, TKN	570	564	1	1.07		20

Laboratory Control Sample (LCS)

(LCS) R4234026-2 06/21/25 13:53

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Kjeldahl Nitrogen, TKN	624	595	95.4	81.7-124	

L1869908-11 Original Sample (OS) • Matrix Spike (MS)

(OS) L1869908-11 06/21/25 14:42 • (MS) R4234026-3 06/21/25 13:59

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/kg	mg/kg	mg/kg	%		%	
Kjeldahl Nitrogen, TKN	421	232	1040	193	1	81.7-124	E J5

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

L1869905-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869905-11 06/21/25 13:57 • (MS) R4234026-7 06/21/25 14:44 • (MSD) R4234026-4 06/21/25 14:01

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Kjeldahl Nitrogen, TKN	443	807	1320	1030	115	50.7	1	81.7-124	E	E J3 J6	24.3	20

L1869905-11 Original Sample (OS) • Matrix Spike (MS)

(OS) L1869905-11 06/21/25 13:57 • (MS) R4234026-8 06/21/25 13:59

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/kg	mg/kg	mg/kg	%		%	
Kjeldahl Nitrogen, TKN	443	807	1140	76.3	1	81.7-124	E J6

L1869908-11 Original Sample (OS) • Matrix Spike (MS)

(OS) L1869908-11 06/21/25 14:42 • (MS) R4234026-9 06/21/25 14:44

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/kg	mg/kg	mg/kg	%		%	
Kjeldahl Nitrogen, TKN	421	232	1200	230	1	81.7-124	E J5



Method Blank (MB)

(MB) R4236981-1 06/26/25 13:58

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

L1869780-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1869780-01 06/26/25 14:16 • (DUP) R4236981-3 06/26/25 14:25

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

L1869905-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1869905-20 06/26/25 19:36 • (DUP) R4236981-8 06/26/25 19:45

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

Laboratory Control Sample (LCS)

(LCS) R4236981-2 06/26/25 14:07

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Hexavalent Chromium	10.0	10.1	101	80.0-120	

L1869905-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869905-11 06/26/25 16:13 • (MS) R4236981-4 06/26/25 16:22 • (MSD) R4236981-5 06/26/25 16:31

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Hexavalent Chromium	22.1	ND	16.7	20.6	75.4	92.8	1	75.0-125		J3	20.8	20

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

L1869905-11 Original Sample (OS) • Matrix Spike (MS)

(OS) L1869905-11 06/26/25 16:13 • (MS) R4236981-6 06/26/25 16:40

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MS Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>
Analyte	mg/kg	mg/kg	mg/kg	%		%	
Hexavalent Chromium	712	ND	584	82.0	50	75.0-125	

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

L1869901-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1869901-04 06/21/25 08:01 • (DUP) R4233990-2 06/21/25 08:01

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	6.47	6.49	1	0.309		1

Sample Narrative:
OS: 6.47 at 22.1C
DUP: 6.49 at 22.1C

L1869905-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1869905-11 06/21/25 08:01 • (DUP) R4233990-3 06/21/25 08:01

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	7.90	7.94	1	0.505		1

Sample Narrative:
OS: 7.9 at 22C
DUP: 7.94 at 21.8C

Laboratory Control Sample (LCS)

(LCS) R4233990-1 06/21/25 08:01

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

Sample Narrative:
LCS: 9.99 at 21.5C

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

L1869905-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1869905-12 06/21/25 09:10 • (DUP) R4233999-2 06/21/25 09:10

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	7.45	7.43	1	0.269		1

Sample Narrative:

OS: 7.45 at 22.5C

DUP: 7.43 at 22.5C

L1869908-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1869908-13 06/21/25 09:10 • (DUP) R4233999-3 06/21/25 09:10

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	7.78	7.77	1	0.129		1

Sample Narrative:

OS: 7.78 at 22.9C

DUP: 7.77 at 22.9C

Laboratory Control Sample (LCS)

(LCS) R4233999-1 06/21/25 09:10

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	su	su	%	%	
pH	10.0	9.96	99.6	99.0-101	

Sample Narrative:

LCS: 9.96 at 22.2C

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4234030-1 06/21/25 14:08

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

L1869901-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1869901-06 06/21/25 14:08 • (DUP) R4234030-3 06/21/25 14:08

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	240	241	1	0.291		20

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

L1869905-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1869905-09 06/21/25 14:08 • (DUP) R4234030-4 06/21/25 14:08

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	382	379	1	0.788		20

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

Laboratory Control Sample (LCS)

(LCS) R4234030-2 06/21/25 14:08

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	581	576	99.1	90.0-110	

Sample Narrative:
LCS: at 25C

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4235546-1 06/24/25 20:30

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

L1869905-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1869905-14 06/24/25 20:30 • (DUP) R4235546-3 06/24/25 20:30

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	890	891	1	0.112		20

Sample Narrative:

OS: at 25C

DUP: at 25C

L1869908-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1869908-12 06/24/25 20:30 • (DUP) R4235546-4 06/24/25 20:30

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	630	630	1	0.000		20

Sample Narrative:

OS: at 25C

DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4235546-2 06/24/25 20:30

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	581	583	100	90.0-110	

Sample Narrative:

LCS: at 25C

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4230781-1 06/15/25 11:10

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

Laboratory Control Sample (LCS)

(LCS) R4230781-2 06/15/25 11:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	40.0	43.3	108	80.0-120	

L1869900-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869900-16 06/15/25 14:19 • (MS) R4230781-3 06/15/25 14:32 • (MSD) R4230781-4 06/15/25 14:44

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 %
Nitrate-Nitrite	40.4	41.5	87.4	86.3	114	111	1	80.0-120			1.32	15

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4230896-1 06/15/25 11:43

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

Laboratory Control Sample (LCS)

(LCS) R4230896-2 06/15/25 11:57

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	40.0	40.5	101	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4233293-1 06/19/25 18:35

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Nitrate-Nitrite	0.754	⬇	0.606	20.0

Laboratory Control Sample (LCS)

(LCS) R4233293-6 06/20/25 06:31

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Nitrate-Nitrite	40.0	37.6	94.1	80.0-120	

L1869062-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869062-05 06/19/25 21:03 • (MS) R4233293-2 06/19/25 21:19 • (MSD) R4233293-3 06/19/25 21:35

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Nitrate-Nitrite	48.6	ND	46.6	47.2	88.7	90.0	1.03	80.0-120			1.43	15

L1869905-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869905-11 06/20/25 01:57 • (MS) R4233293-4 06/20/25 02:13 • (MSD) R4233293-5 06/20/25 02:29

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Nitrate-Nitrite	44.3	ND	52.0	54.5	115	120	1.01	80.0-120			4.62	15

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4232434-1 06/18/25 17:31

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

L1869905-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1869905-04 06/18/25 17:41 • (DUP) R4232434-3 06/18/25 17:41

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
TOC By Walkley Black	9600	10400	10	7.50		20

L1869905-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1869905-15 06/18/25 17:47 • (DUP) R4232434-6 06/18/25 17:47

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
TOC By Walkley Black	24900	24200	9	3.13		20

Laboratory Control Sample (LCS)

(LCS) R4232434-2 06/18/25 17:31

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
TOC By Walkley Black	3230	3640	113	75.0-144	

L1869905-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869905-11 06/18/25 17:44 • (MS) R4232434-4 06/18/25 17:45 • (MSD) R4232434-5 06/18/25 17:46

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
TOC By Walkley Black	20000	7570	27200	27900	98.0	101	5	80.0-120			2.51	20

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4234132-1 06/22/25 00:45

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

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

(LCS) R4234132-2 06/22/25 00:47 • (LCSD) R4234132-3 06/22/25 00:48

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Hot Water Sol. Boron	1.00	1.04	1.04	104	104	80.0-120			0.187	20



Method Blank (MB)

(MB) R4233880-1 06/20/25 17:06

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

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

(LCS) R4233880-2 06/20/25 17:07 • (LCSD) R4233880-3 06/20/25 17:09

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Hot Water Sol. Boron	1.00	0.992	1.01	99.2	101	80.0-120			2.14	20



Method Blank (MB)

(MB) R4234134-1 06/22/25 01:44

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

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

(LCS) R4234134-2 06/22/25 01:46 • (LCSD) R4234134-3 06/22/25 01:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Hot Water Sol. Boron	1.00	0.997	1.01	99.7	101	80.0-120			1.52	20

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4231721-1 06/17/25 08:50

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	0.216	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) R4231721-2 06/17/25 08:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	1000	939	93.9	80.0-120	
Antimony	100	89.5	89.5	80.0-120	
Beryllium	100	95.4	95.4	80.0-120	
Calcium	1000	951	95.1	80.0-120	
Chromium	100	89.2	89.2	80.0-120	
Cobalt	100	89.5	89.5	80.0-120	
Iron	1000	944	94.4	80.0-120	
Magnesium	1000	969	96.9	80.0-120	
Manganese	100	94.7	94.7	80.0-120	
Potassium	1000	938	93.8	80.0-120	
Sodium	1000	953	95.3	80.0-120	
Thallium	100	95.1	95.1	80.0-120	
Vanadium	100	91.7	91.7	80.0-120	

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

L1869905-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869905-11 06/17/25 08:54 • (MS) R4231721-5 06/17/25 08:59 • (MSD) R4231721-6 06/17/25 09:00

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Aluminum	1110	8060	9970	9260	173	109	1	75.0-125	V		7.40	20
Antimony	111	ND	65.2	63.6	58.9	57.4	1	75.0-125	J6	J6	2.49	20
Beryllium	111	0.496	102	104	92.0	93.3	1	75.0-125			1.39	20
Calcium	1110	14400	20700	13100	563	0.000	1	75.0-125	V	J3 V	44.7	20
Chromium	111	7.87	110	111	92.4	93.1	1	75.0-125			0.715	20
Cobalt	111	4.55	105	106	90.7	91.4	1	75.0-125			0.728	20
Iron	1110	12500	11700	11000	0.000	0.000	1	75.0-125	V	V	6.77	20
Magnesium	1110	3000	4240	4160	112	105	1	75.0-125			1.78	20
Manganese	111	308	315	296	5.79	0.000	1	75.0-125	J6	J6	6.00	20
Potassium	1110	2180	3260	3140	97.4	86.0	1	75.0-125			3.94	20
Sodium	1110	120	1160	1160	93.8	93.7	1	75.0-125			0.0514	20
Thallium	111	ND	103	106	93.4	95.5	1	75.0-125			2.20	20
Vanadium	111	24.6	115	116	81.9	82.4	1	75.0-125			0.484	20

1

Cp

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Tc

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Ss

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Cn

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Ds

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Sr

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Qc

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Gl

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Al

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Sc

Method Blank (MB)

(MB) R4231824-1 06/17/25 16:29

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) R4231824-2 06/17/25 16:33

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	96.2	96.2	80.0-120	
Cadmium	100	103	103	80.0-120	
Copper	100	98.2	98.2	80.0-120	
Lead	100	98.1	98.1	80.0-120	
Nickel	100	105	105	80.0-120	
Selenium	100	99.3	99.3	80.0-120	
Silver	20.0	20.4	102	80.0-120	
Zinc	100	101	101	80.0-120	

L1869905-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869905-11 06/17/25 16:36 • (MS) R4231824-5 06/17/25 16:46 • (MSD) R4231824-6 06/17/25 16:49

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	111	5.89	112	111	95.7	94.7	5	75.0-125			1.02	20
Barium	111	89.4	199	184	99.3	85.8	5	75.0-125			7.80	20
Cadmium	111	0.232	113	112	102	101	5	75.0-125			0.863	20
Copper	111	ND	109	112	98.6	101	5	75.0-125			2.13	20
Lead	111	ND	112	112	101	101	5	75.0-125			0.254	20
Nickel	111	ND	119	120	107	108	5	75.0-125			1.15	20
Selenium	111	0.394	107	106	95.9	95.1	5	75.0-125			0.870	20
Silver	22.1	ND	22.5	22.0	102	99.5	5	75.0-125			2.18	20

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

L1869905-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869905-11 06/17/25 16:36 • (MS) R4231824-5 06/17/25 16:46 • (MSD) R4231824-6 06/17/25 16:49

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Zinc	111	ND	144	144	130	130	5	75.0-125	<u>J5</u>	<u>J5</u>	0.337	20



Method Blank (MB)

(MB) R4234909-1 06/24/25 02:01

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) R4234909-2 06/24/25 02:04

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	105	105	80.0-120	
Barium	100	96.2	96.2	80.0-120	
Cadmium	100	97.6	97.6	80.0-120	
Copper	100	98.8	98.8	80.0-120	
Lead	100	97.7	97.7	80.0-120	
Nickel	100	98.7	98.7	80.0-120	
Selenium	100	93.7	93.7	80.0-120	
Silver	20.0	20.5	102	80.0-120	
Zinc	100	102	102	80.0-120	

L1869905-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869905-09 06/24/25 02:07 • (MS) R4234909-5 06/24/25 02:16 • (MSD) R4234909-6 06/24/25 02:20

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	122	5.46	136	122	107	95.5	5	75.0-125			10.9	20
Barium	122	92.3	205	200	92.4	88.2	5	75.0-125			2.56	20
Cadmium	122	0.308	124	110	102	89.6	5	75.0-125			12.6	20
Copper	122	15.6	136	126	99.1	90.3	5	75.0-125			8.23	20
Lead	122	20.6	140	130	97.8	89.9	5	75.0-125			7.15	20
Nickel	122	ND	131	118	108	96.7	5	75.0-125			10.7	20
Selenium	122	0.564	118	102	96.1	83.5	5	75.0-125			13.9	20
Silver	24.4	ND	25.7	22.8	106	93.6	5	75.0-125			12.1	20

1

Cp

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Tc

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Ss

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Cn

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Ds

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Sr

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Qc

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Gl

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Al

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Sc

L1869905-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869905-09 06/24/25 02:07 • (MS) R4234909-5 06/24/25 02:16 • (MSD) R4234909-6 06/24/25 02:20

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Zinc	122	129	244	251	94.6	99.9	5	75.0-125			2.61	20



Method Blank (MB)

(MB) R4230768-3 06/15/25 01:56

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) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4230768-1 06/15/25 00:18 • (LCSD) R4230768-2 06/15/25 00:41

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.00	4.02	4.25	80.4	85.0	72.0-127			5.56	20
(S) a,a,a-Trifluorotoluene(FID)				102	102	77.0-120				

L1869905-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869905-11 06/15/25 09:48 • (MS) R4230768-4 06/15/25 10:10 • (MSD) R4230768-5 06/15/25 10:33

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 %
TPH (GC/FID) Low Fraction	151	ND	170	160	113	106	25	10.0-151			5.88	28
(S) a,a,a-Trifluorotoluene(FID)					108	107		77.0-120				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4230796-3 06/15/25 05:41

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		2.00	2.50
(S) a,a,a-Trifluorotoluene(FID)	97.1			77.0-120

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

(LCS) R4230796-1 06/15/25 04:31 • (LCSD) R4230796-2 06/15/25 04:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.00	5.17	4.72	103	94.4	72.0-127			9.10	20
(S) a,a,a-Trifluorotoluene(FID)				113	111	77.0-120				

L1869908-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869908-25 06/15/25 13:45 • (MS) R4230796-4 06/15/25 14:09 • (MSD) R4230796-5 06/15/25 14:32

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	141	ND	152	147	107	104	25	10.0-151			3.03	28
(S) a,a,a-Trifluorotoluene(FID)					111	110		77.0-120				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4230753-2 06/15/25 09:39

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.00100	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.0100	0.0100
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4230753-2 06/15/25 09:39

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.0100	0.0100
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,2,4-Trimethylbenzene	U		0.00500	0.00500
1,3,5-Trimethylbenzene	U		0.00500	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.100	0.100
(S) Toluene-d8	95.3			75.0-131
(S) 4-Bromofluorobenzene	104			67.0-138
(S) 1,2-Dichloroethane-d4	97.1			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Laboratory Control Sample (LCS)

(LCS) R4230753-1 06/15/25 08:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.418	66.9	10.0-160	
Acrylonitrile	0.625	0.913	146	45.0-153	
Benzene	0.125	0.135	108	70.0-123	
Bromobenzene	0.125	0.115	92.0	73.0-121	
Bromodichloromethane	0.125	0.145	116	73.0-121	
Bromoform	0.125	0.130	104	64.0-132	

Laboratory Control Sample (LCS)

(LCS) R4230753-1 06/15/25 08:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Bromomethane	0.125	0.108	86.4	56.0-147	
n-Butylbenzene	0.125	0.114	91.2	68.0-135	
sec-Butylbenzene	0.125	0.120	96.0	74.0-130	
tert-Butylbenzene	0.125	0.117	93.6	75.0-127	
Carbon tetrachloride	0.125	0.140	112	66.0-128	
Chlorobenzene	0.125	0.119	95.2	76.0-128	
Chlorodibromomethane	0.125	0.131	105	74.0-127	
Chloroethane	0.125	0.136	109	61.0-134	
Chloroform	0.125	0.139	111	72.0-123	
Chloromethane	0.125	0.121	96.8	51.0-138	
2-Chlorotoluene	0.125	0.122	97.6	75.0-124	
4-Chlorotoluene	0.125	0.118	94.4	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.128	102	59.0-130	
1,2-Dibromoethane	0.125	0.126	101	74.0-128	
Dibromomethane	0.125	0.142	114	75.0-122	
1,2-Dichlorobenzene	0.125	0.116	92.8	76.0-124	
1,3-Dichlorobenzene	0.125	0.112	89.6	76.0-125	
1,4-Dichlorobenzene	0.125	0.109	87.2	77.0-121	
Dichlorodifluoromethane	0.125	0.147	118	43.0-156	
1,1-Dichloroethane	0.125	0.140	112	70.0-127	
1,2-Dichloroethane	0.125	0.135	108	65.0-131	
1,1-Dichloroethene	0.125	0.137	110	65.0-131	
cis-1,2-Dichloroethene	0.125	0.141	113	73.0-125	
trans-1,2-Dichloroethene	0.125	0.140	112	71.0-125	
1,2-Dichloropropane	0.125	0.146	117	74.0-125	
1,1-Dichloropropene	0.125	0.137	110	73.0-125	
1,3-Dichloropropane	0.125	0.121	96.8	80.0-125	
cis-1,3-Dichloropropene	0.125	0.145	116	76.0-127	
trans-1,3-Dichloropropene	0.125	0.125	100	73.0-127	
2,2-Dichloropropane	0.125	0.145	116	59.0-135	
Di-isopropyl ether	0.125	0.142	114	60.0-136	
Ethylbenzene	0.125	0.122	97.6	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.101	80.8	57.0-150	
Isopropylbenzene	0.125	0.125	100	72.0-127	
p-Isopropyltoluene	0.125	0.122	97.6	72.0-133	
2-Butanone (MEK)	0.625	0.754	121	30.0-160	
Methylene Chloride	0.125	0.137	110	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.718	115	56.0-143	
Methyl tert-butyl ether	0.125	0.158	126	66.0-132	
n-Propylbenzene	0.125	0.114	91.2	74.0-126	

¹Cp

²Tc

³Ss

⁴Cn

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⁸Gl

⁹Al

¹⁰Sc

Laboratory Control Sample (LCS)

(LCS) R4230753-1 06/15/25 08:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Styrene	0.125	0.122	97.6	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.130	104	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.118	94.4	68.0-128	
1,1,2-Trichlorotrifluoroethane	0.125	0.134	107	61.0-139	
Tetrachloroethene	0.125	0.122	97.6	70.0-136	
Toluene	0.125	0.112	89.6	75.0-121	
1,2,3-Trichlorobenzene	0.125	0.104	83.2	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.108	86.4	62.0-137	
1,1,1-Trichloroethane	0.125	0.145	116	69.0-126	
1,1,2-Trichloroethane	0.125	0.126	101	78.0-123	
Trichloroethene	0.125	0.143	114	76.0-126	
Trichlorofluoromethane	0.125	0.144	115	61.0-142	
1,2,3-Trichloropropane	0.125	0.131	105	67.0-129	
1,2,3-Trimethylbenzene	0.125	0.115	92.0	74.0-124	
1,2,4-Trimethylbenzene	0.125	0.122	97.6	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.113	90.4	73.0-127	
Vinyl chloride	0.125	0.133	106	63.0-134	
Xylenes, Total	0.375	0.370	98.7	72.0-127	
(S) Toluene-d8			93.0	75.0-131	
(S) 4-Bromofluorobenzene			105	67.0-138	
(S) 1,2-Dichloroethane-d4			103	70.0-130	

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

L1869901-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869901-16 06/15/25 13:59 • (MS) R4230753-3 06/15/25 16:31 • (MSD) R4230753-4 06/15/25 16:51

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	1.02	ND	0.336	0.375	32.8	36.6	1	10.0-160			11.1	40
Acrylonitrile	1.02	ND	1.08	1.12	105	109	1	10.0-160			4.03	40
Benzene	0.205	ND	0.182	0.202	88.8	98.4	1	10.0-149			10.3	37
Bromobenzene	0.205	ND	0.162	0.180	79.3	88.0	1	10.0-156			10.4	38
Bromodichloromethane	0.205	ND	0.190	0.215	92.8	105	1	10.0-143			12.1	37
Bromoform	0.205	ND	0.166	0.182	80.8	88.8	1	10.0-146			9.43	36
Bromomethane	0.205	ND	0.158	0.152	77.0	74.4	1	10.0-149			3.49	38
n-Butylbenzene	0.205	ND	0.169	0.189	82.4	92.0	1	10.0-160			11.0	40
sec-Butylbenzene	0.205	ND	0.182	0.200	88.8	97.6	1	10.0-159			9.44	39
tert-Butylbenzene	0.205	ND	0.177	0.198	86.4	96.8	1	10.0-156			11.4	39
Carbon tetrachloride	0.205	ND	0.179	0.195	87.2	95.2	1	10.0-145			8.77	37
Chlorobenzene	0.205	ND	0.167	0.189	81.6	92.0	1	10.0-152			12.0	39

L1869901-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869901-16 06/15/25 13:59 • (MS) R4230753-3 06/15/25 16:31 • (MSD) R4230753-4 06/15/25 16:51

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chlorodibromomethane	0.205	ND	0.182	0.203	88.8	99.2	1	10.0-146			11.1	37
Chloroethane	0.205	ND	0.128	0.151	62.5	73.8	1	10.0-146			16.6	40
Chloroform	0.205	ND	0.192	0.211	93.6	103	1	10.0-146			9.76	37
Chloromethane	0.205	ND	0.143	0.158	69.9	77.0	1	10.0-159			9.59	37
2-Chlorotoluene	0.205	ND	0.172	0.197	84.0	96.0	1	10.0-159			13.3	38
4-Chlorotoluene	0.205	ND	0.163	0.187	79.4	91.2	1	10.0-155			13.9	39
1,2-Dibromo-3-Chloropropane	0.205	ND	0.134	0.149	65.6	72.7	1	10.0-151			10.3	39
1,2-Dibromoethane	0.205	ND	0.167	0.190	81.6	92.8	1	10.0-148			12.8	34
Dibromomethane	0.205	ND	0.185	0.195	90.4	95.2	1	10.0-147			5.17	35
1,2-Dichlorobenzene	0.205	ND	0.166	0.189	80.8	92.0	1	10.0-155			13.0	37
1,3-Dichlorobenzene	0.205	ND	0.166	0.189	80.8	92.0	1	10.0-153			13.0	38
1,4-Dichlorobenzene	0.205	ND	0.161	0.175	78.6	85.6	1	10.0-151			8.58	38
Dichlorodifluoromethane	0.205	ND	0.205	0.221	100	108	1	10.0-160			7.69	35
1,1-Dichloroethane	0.205	ND	0.189	0.211	92.0	103	1	10.0-147			11.5	37
1,2-Dichloroethane	0.205	ND	0.172	0.185	84.0	90.4	1	10.0-148			7.34	35
1,1-Dichloroethene	0.205	ND	0.167	0.192	81.6	93.6	1	10.0-155			13.7	37
cis-1,2-Dichloroethene	0.205	ND	0.189	0.200	92.0	97.6	1	10.0-149			5.91	37
trans-1,2-Dichloroethene	0.205	ND	0.157	0.185	76.4	90.4	1	10.0-150			16.8	37
1,2-Dichloropropane	0.205	ND	0.200	0.218	97.6	106	1	10.0-148			8.63	37
1,1-Dichloropropene	0.205	ND	0.189	0.215	92.0	105	1	10.0-153			13.0	35
1,3-Dichloropropane	0.205	ND	0.175	0.193	85.6	94.4	1	10.0-154			9.78	35
cis-1,3-Dichloropropene	0.205	ND	0.197	0.216	96.0	106	1	10.0-151			9.52	37
trans-1,3-Dichloropropene	0.205	ND	0.170	0.190	83.2	92.8	1	10.0-148			10.9	37
2,2-Dichloropropane	0.205	ND	0.147	0.157	71.8	76.6	1	10.0-138			6.47	36
Di-isopropyl ether	0.205	ND	0.185	0.192	90.4	93.6	1	10.0-147			3.48	36
Ethylbenzene	0.205	ND	0.172	0.195	84.0	95.2	1	10.0-160			12.5	38
Hexachloro-1,3-butadiene	0.205	ND	0.172	0.197	84.0	96.0	1	10.0-160			13.3	40
Isopropylbenzene	0.205	ND	0.155	0.172	75.8	84.0	1	10.0-155			10.2	38
p-Isopropyltoluene	0.205	ND	0.174	0.192	84.8	93.6	1	10.0-160			9.87	40
2-Butanone (MEK)	1.02	ND	0.529	0.466	51.7	45.4	1	10.0-160			12.9	40
Methylene Chloride	0.205	ND	0.174	0.185	84.8	90.4	1	10.0-141			6.39	37
4-Methyl-2-pentanone (MIBK)	1.02	ND	0.828	0.879	80.8	85.8	1	10.0-160			5.96	35
Methyl tert-butyl ether	0.205	ND	0.185	0.200	90.4	97.6	1	11.0-147			7.66	35
n-Propylbenzene	0.205	ND	0.166	0.180	80.8	88.0	1	10.0-158			8.53	38
Styrene	0.205	ND	0.170	0.190	83.2	92.8	1	10.0-160			10.9	40
1,1,1,2-Tetrachloroethane	0.205	ND	0.177	0.190	86.4	92.8	1	10.0-149			7.14	39
1,1,2,2-Tetrachloroethane	0.205	ND	0.149	0.157	72.6	76.4	1	10.0-160			5.16	35
1,1,2-Trichlorotrifluoroethane	0.205	ND	0.145	0.172	70.7	84.0	1	10.0-160			17.2	36
Tetrachloroethene	0.205	ND	0.167	0.182	81.6	88.8	1	10.0-156			8.45	39

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

L1869901-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869901-16 06/15/25 13:59 • (MS) R4230753-3 06/15/25 16:31 • (MSD) R4230753-4 06/15/25 16:51

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Toluene	0.205	ND	0.160	0.177	78.3	86.4	1	10.0-156			9.81	38
1,2,3-Trichlorobenzene	0.205	ND	0.169	0.190	82.4	92.8	1	10.0-160			11.9	40
1,2,4-Trichlorobenzene	0.205	ND	0.170	0.198	83.2	96.8	1	10.0-160			15.1	40
1,1,1-Trichloroethane	0.205	ND	0.180	0.197	88.0	96.0	1	10.0-144			8.70	35
1,1,2-Trichloroethane	0.205	ND	0.179	0.198	87.2	96.8	1	10.0-160			10.4	35
Trichloroethene	0.205	ND	0.190	0.216	92.8	106	1	10.0-156			12.9	38
Trichlorofluoromethane	0.205	ND	0.162	0.192	79.2	93.6	1	10.0-160			16.7	40
1,2,3-Trichloropropane	0.205	ND	0.167	0.179	81.6	87.2	1	10.0-156			6.64	35
1,2,3-Trimethylbenzene	0.205	ND	0.162	0.179	79.0	87.2	1	10.0-160			9.82	36
1,2,4-Trimethylbenzene	0.205	ND	0.164	0.189	80.0	92.0	1	10.0-160			14.0	36
1,3,5-Trimethylbenzene	0.205	ND	0.164	0.179	80.0	87.2	1	10.0-160			8.61	38
Vinyl chloride	0.205	ND	0.169	0.192	82.4	93.6	1	10.0-160			12.7	37
Xylenes, Total	0.615	ND	0.516	0.575	84.0	93.6	1	10.0-160			10.8	38
(S) Toluene-d8					93.8	94.2		75.0-131				
(S) 4-Bromofluorobenzene					103	103		67.0-138				
(S) 1,2-Dichloroethane-d4					95.7	94.4		70.0-130				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4230662-3 06/14/25 22:12

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.00100	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.0100	0.0100
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4230662-3 06/14/25 22:12

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.0100	0.0100
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,2,4-Trimethylbenzene	U		0.00500	0.00500
1,3,5-Trimethylbenzene	U		0.00500	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.100	0.100
(S) Toluene-d8	101			75.0-131
(S) 4-Bromofluorobenzene	89.6			67.0-138
(S) 1,2-Dichloroethane-d4	102			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4230662-1 06/14/25 20:36 • (LCSD) R4230662-2 06/14/25 20:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.357	0.433	57.1	69.3	10.0-160			19.2	31
Acrylonitrile	0.625	0.659	0.630	105	101	45.0-153			4.50	22
Benzene	0.125	0.114	0.113	91.2	90.4	70.0-123			0.881	20
Bromobenzene	0.125	0.119	0.130	95.2	104	73.0-121			8.84	20
Bromodichloromethane	0.125	0.128	0.130	102	104	73.0-121			1.55	20
Bromoform	0.125	0.100	0.103	80.0	82.4	64.0-132			2.96	20

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

(LCS) R4230662-1 06/14/25 20:36 • (LCSD) R4230662-2 06/14/25 20:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromomethane	0.125	0.0742	0.0858	59.4	68.6	56.0-147			14.5	20
n-Butylbenzene	0.125	0.108	0.123	86.4	98.4	68.0-135			13.0	20
sec-Butylbenzene	0.125	0.113	0.125	90.4	100	74.0-130			10.1	20
tert-Butylbenzene	0.125	0.128	0.126	102	101	75.0-127			1.57	20
Carbon tetrachloride	0.125	0.113	0.121	90.4	96.8	66.0-128			6.84	20
Chlorobenzene	0.125	0.119	0.119	95.2	95.2	76.0-128			0.000	20
Chlorodibromomethane	0.125	0.109	0.114	87.2	91.2	74.0-127			4.48	20
Chloroethane	0.125	0.0762	0.126	61.0	101	61.0-134		J3	49.3	20
Chloroform	0.125	0.113	0.118	90.4	94.4	72.0-123			4.33	20
Chloromethane	0.125	0.107	0.118	85.6	94.4	51.0-138			9.78	20
2-Chlorotoluene	0.125	0.125	0.130	100	104	75.0-124			3.92	20
4-Chlorotoluene	0.125	0.105	0.112	84.0	89.6	75.0-124			6.45	20
1,2-Dibromo-3-Chloropropane	0.125	0.105	0.119	84.0	95.2	59.0-130			12.5	20
1,2-Dibromoethane	0.125	0.123	0.128	98.4	102	74.0-128			3.98	20
Dibromomethane	0.125	0.124	0.129	99.2	103	75.0-122			3.95	20
1,2-Dichlorobenzene	0.125	0.116	0.124	92.8	99.2	76.0-124			6.67	20
1,3-Dichlorobenzene	0.125	0.112	0.124	89.6	99.2	76.0-125			10.2	20
1,4-Dichlorobenzene	0.125	0.114	0.122	91.2	97.6	77.0-121			6.78	20
Dichlorodifluoromethane	0.125	0.126	0.130	101	104	43.0-156			3.12	20
1,1-Dichloroethane	0.125	0.128	0.128	102	102	70.0-127			0.000	20
1,2-Dichloroethane	0.125	0.123	0.120	98.4	96.0	65.0-131			2.47	20
1,1-Dichloroethene	0.125	0.129	0.128	103	102	65.0-131			0.778	20
cis-1,2-Dichloroethene	0.125	0.105	0.111	84.0	88.8	73.0-125			5.56	20
trans-1,2-Dichloroethene	0.125	0.119	0.123	95.2	98.4	71.0-125			3.31	20
1,2-Dichloropropane	0.125	0.130	0.133	104	106	74.0-125			2.28	20
1,1-Dichloropropene	0.125	0.127	0.131	102	105	73.0-125			3.10	20
1,3-Dichloropropane	0.125	0.129	0.131	103	105	80.0-125			1.54	20
cis-1,3-Dichloropropene	0.125	0.131	0.137	105	110	76.0-127			4.48	20
trans-1,3-Dichloropropene	0.125	0.120	0.123	96.0	98.4	73.0-127			2.47	20
2,2-Dichloropropane	0.125	0.0844	0.0928	67.5	74.2	59.0-135			9.48	20
Di-isopropyl ether	0.125	0.131	0.126	105	101	60.0-136			3.89	20
Ethylbenzene	0.125	0.102	0.105	81.6	84.0	74.0-126			2.90	20
Hexachloro-1,3-butadiene	0.125	0.0971	0.107	77.7	85.6	57.0-150			9.70	20
Isopropylbenzene	0.125	0.101	0.108	80.8	86.4	72.0-127			6.70	20
p-Isopropyltoluene	0.125	0.110	0.127	88.0	102	72.0-133			14.3	20
2-Butanone (MEK)	0.625	1.03	0.607	165	97.1	30.0-160	J4	J3	51.7	24
Methylene Chloride	0.125	0.120	0.120	96.0	96.0	68.0-123			0.000	20
4-Methyl-2-pentanone (MIBK)	0.625	0.695	0.692	111	111	56.0-143			0.433	20
Methyl tert-butyl ether	0.125	0.117	0.119	93.6	95.2	66.0-132			1.69	20
n-Propylbenzene	0.125	0.115	0.129	92.0	103	74.0-126			11.5	20

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

(LCS) R4230662-1 06/14/25 20:36 • (LCSD) R4230662-2 06/14/25 20:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Styrene	0.125	0.111	0.110	88.8	88.0	72.0-127			0.905	20
1,1,1,2-Tetrachloroethane	0.125	0.103	0.108	82.4	86.4	74.0-129			4.74	20
1,1,2,2-Tetrachloroethane	0.125	0.123	0.135	98.4	108	68.0-128			9.30	20
1,1,2-Trichlorotrifluoroethane	0.125	0.121	0.125	96.8	100	61.0-139			3.25	20
Tetrachloroethene	0.125	0.104	0.106	83.2	84.8	70.0-136			1.90	20
Toluene	0.125	0.114	0.118	91.2	94.4	75.0-121			3.45	20
1,2,3-Trichlorobenzene	0.125	0.0942	0.107	75.4	85.6	59.0-139			12.7	20
1,2,4-Trichlorobenzene	0.125	0.0903	0.102	72.2	81.6	62.0-137			12.2	20
1,1,1-Trichloroethane	0.125	0.127	0.132	102	106	69.0-126			3.86	20
1,1,2-Trichloroethane	0.125	0.126	0.130	101	104	78.0-123			3.12	20
Trichloroethene	0.125	0.120	0.124	96.0	99.2	76.0-126			3.28	20
Trichlorofluoromethane	0.125	0.107	0.126	85.6	101	61.0-142			16.3	20
1,2,3-Trichloropropane	0.125	0.136	0.146	109	117	67.0-129			7.09	20
1,2,3-Trimethylbenzene	0.125	0.115	0.127	92.0	102	74.0-124			9.92	20
1,2,4-Trimethylbenzene	0.125	0.115	0.126	92.0	101	70.0-126			9.13	20
1,3,5-Trimethylbenzene	0.125	0.119	0.131	95.2	105	73.0-127			9.60	20
Vinyl chloride	0.125	0.129	0.135	103	108	63.0-134			4.55	20
Xylenes, Total	0.375	0.319	0.326	85.1	86.9	72.0-127			2.17	20
(S) Toluene-d8				95.8	96.1	75.0-131				
(S) 4-Bromofluorobenzene				93.2	94.7	67.0-138				
(S) 1,2-Dichloroethane-d4				113	109	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

L1869905-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869905-11 06/14/25 23:25 • (MS) R4230662-4 06/15/25 05:10 • (MSD) R4230662-5 06/15/25 05:29

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 %
Acetone	0.754	ND	0.556	0.514	73.7	68.2	1	10.0-160			7.73	40
Acrylonitrile	0.754	ND	0.889	0.856	118	114	1	10.0-160			3.76	40
Benzene	0.151	ND	0.148	0.152	98.4	101	1	10.0-149			2.43	37
Bromobenzene	0.151	ND	0.184	0.187	122	124	1	10.0-156			1.97	38
Bromodichloromethane	0.151	ND	0.165	0.171	110	114	1	10.0-143			3.61	37
Bromoform	0.151	ND	0.134	0.130	88.7	86.3	1	10.0-146			2.76	36
Bromomethane	0.151	ND	0.0875	0.0760	58.1	50.4	1	10.0-149			14.1	38
n-Butylbenzene	0.151	ND	0.176	0.188	117	125	1	10.0-160			6.67	40
sec-Butylbenzene	0.151	ND	0.179	0.187	119	124	1	10.0-159			4.65	39
tert-Butylbenzene	0.151	ND	0.186	0.192	123	127	1	10.0-156			3.22	39
Carbon tetrachloride	0.151	ND	0.147	0.154	97.6	102	1	10.0-145			4.84	37
Chlorobenzene	0.151	ND	0.162	0.168	107	111	1	10.0-152			3.69	39

L1869905-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869905-11 06/14/25 23:25 • (MS) R4230662-4 06/15/25 05:10 • (MSD) R4230662-5 06/15/25 05:29

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 %
Chlorodibromomethane	0.151	ND	0.148	0.153	98.4	102	1	10.0-146			3.23	37
Chloroethane	0.151	ND	0.0439	0.0625	29.1	41.5	1	10.0-146			35.0	40
Chloroform	0.151	ND	0.141	0.147	93.5	97.6	1	10.0-146			4.22	37
Chloromethane	0.151	ND	0.108	0.116	71.8	77.1	1	10.0-159			7.15	37
2-Chlorotoluene	0.151	ND	0.186	0.187	123	124	1	10.0-159			0.651	38
4-Chlorotoluene	0.151	ND	0.167	0.171	110	114	1	10.0-155			2.88	39
1,2-Dibromo-3-Chloropropane	0.151	ND	0.135	0.145	89.5	96.0	1	10.0-151			6.96	39
1,2-Dibromoethane	0.151	ND	0.165	0.170	110	113	1	10.0-148			2.90	34
Dibromomethane	0.151	ND	0.152	0.152	101	101	1	10.0-147			0.000	35
1,2-Dichlorobenzene	0.151	ND	0.173	0.181	115	120	1	10.0-155			4.81	37
1,3-Dichlorobenzene	0.151	ND	0.176	0.185	117	123	1	10.0-153			4.71	38
1,4-Dichlorobenzene	0.151	ND	0.178	0.182	118	121	1	10.0-151			2.70	38
Dichlorodifluoromethane	0.151	ND	0.170	0.181	113	120	1	10.0-160			6.23	35
1,1-Dichloroethane	0.151	ND	0.167	0.178	110	118	1	10.0-147			6.36	37
1,2-Dichloroethane	0.151	ND	0.146	0.152	96.8	101	1	10.0-148			4.08	35
1,1-Dichloroethene	0.151	ND	0.168	0.169	111	112	1	10.0-155			0.722	37
cis-1,2-Dichloroethene	0.151	ND	0.137	0.142	91.1	94.4	1	10.0-149			3.48	37
trans-1,2-Dichloroethene	0.151	ND	0.136	0.141	90.3	93.5	1	10.0-150			3.51	37
1,2-Dichloropropane	0.151	ND	0.178	0.180	118	119	1	10.0-148			1.36	37
1,1-Dichloropropene	0.151	ND	0.174	0.187	115	124	1	10.0-153			7.41	35
1,3-Dichloropropane	0.151	ND	0.185	0.184	123	122	1	10.0-154			0.660	35
cis-1,3-Dichloropropene	0.151	ND	0.184	0.192	122	127	1	10.0-151			4.53	37
trans-1,3-Dichloropropene	0.151	ND	0.170	0.173	113	115	1	10.0-148			1.42	37
2,2-Dichloropropane	0.151	ND	0.113	0.121	74.9	80.0	1	10.0-138			6.56	36
Di-isopropyl ether	0.151	ND	0.171	0.173	114	115	1	10.0-147			0.707	36
Ethylbenzene	0.151	ND	0.141	0.152	93.5	101	1	10.0-160			7.47	38
Hexachloro-1,3-butadiene	0.151	ND	0.151	0.168	100	111	1	10.0-160			10.7	40
Isopropylbenzene	0.151	ND	0.124	0.136	82.3	90.3	1	10.0-155			9.35	38
p-Isopropyltoluene	0.151	ND	0.169	0.179	112	119	1	10.0-160			5.59	40
2-Butanone (MEK)	0.754	ND	0.942	0.404	125	53.5	1	10.0-160		J3	80.0	40
Methylene Chloride	0.151	ND	0.164	0.170	109	113	1	10.0-141			3.64	37
4-Methyl-2-pentanone (MIBK)	0.754	ND	0.835	0.806	111	107	1	10.0-160			3.56	35
Methyl tert-butyl ether	0.151	ND	0.143	0.148	95.2	98.4	1	11.0-147			3.33	35
n-Propylbenzene	0.151	ND	0.182	0.188	121	125	1	10.0-158			3.28	38
Styrene	0.151	ND	0.153	0.156	102	103	1	10.0-160			1.57	40
1,1,1,2-Tetrachloroethane	0.151	ND	0.136	0.137	90.3	91.1	1	10.0-149			0.889	39
1,1,2,2-Tetrachloroethane	0.151	ND	0.188	0.171	125	114	1	10.0-160			9.46	35
1,1,2-Trichlorotrifluoroethane	0.151	ND	0.163	0.182	108	121	1	10.0-160			11.3	36
Tetrachloroethene	0.151	ND	0.139	0.143	91.9	95.2	1	10.0-156			3.45	39

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

L1869905-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869905-11 06/14/25 23:25 • (MS) R4230662-4 06/15/25 05:10 • (MSD) R4230662-5 06/15/25 05:29

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Toluene	0.151	ND	0.156	0.159	103	106	1	10.0-156			2.32	38
1,2,3-Trichlorobenzene	0.151	ND	0.140	0.160	92.7	106	1	10.0-160			13.8	40
1,2,4-Trichlorobenzene	0.151	ND	0.146	0.157	96.8	104	1	10.0-160			7.23	40
1,1,1-Trichloroethane	0.151	ND	0.163	0.178	108	118	1	10.0-144			8.57	35
1,1,2-Trichloroethane	0.151	ND	0.178	0.175	118	116	1	10.0-160			1.38	35
Trichloroethene	0.151	ND	0.160	0.170	106	113	1	10.0-156			5.88	38
Trichlorofluoromethane	0.151	ND	0.0660	0.0840	43.8	55.7	1	10.0-160			24.0	40
1,2,3-Trichloropropane	0.151	ND	0.209	0.202	139	134	1	10.0-156			3.55	35
1,2,3-Trimethylbenzene	0.151	ND	0.171	0.182	114	121	1	10.0-160			6.19	36
1,2,4-Trimethylbenzene	0.151	ND	0.170	0.178	113	118	1	10.0-160			4.20	36
1,3,5-Trimethylbenzene	0.151	ND	0.180	0.185	119	123	1	10.0-160			2.67	38
Vinyl chloride	0.151	ND	0.162	0.176	107	117	1	10.0-160			8.63	37
Xylenes, Total	0.452	ND	0.439	0.457	97.0	101	1	10.0-160			4.07	38
(S) Toluene-d8					98.6	98.6		75.0-131				
(S) 4-Bromofluorobenzene					90.6	92.9		67.0-138				
(S) 1,2-Dichloroethane-d4					104	103		70.0-130				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4230739-2 06/15/25 09:15

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Acrolein	U		0.00254	0.0500
Acrylonitrile	U		0.000671	0.0100
Benzene	U		0.0000941	0.00100
Bromobenzene	U		0.000118	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
tert-Butylbenzene	U		0.000127	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
2-Chlorotoluene	U		0.000106	0.00100
4-Chlorotoluene	U		0.000114	0.00100
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500
1,2-Dibromoethane	U		0.000126	0.00100
Dibromomethane	U		0.000122	0.00100
1,2-Dichlorobenzene	U		0.000107	0.00100
1,3-Dichlorobenzene	U		0.000110	0.00100
1,4-Dichlorobenzene	U		0.000120	0.00100
Dichlorodifluoromethane	U		0.000374	0.00500
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
1,1-Dichloropropene	U		0.000142	0.00100
1,3-Dichloropropane	U		0.000110	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
2,2-Dichloropropane	U		0.000161	0.00100
Di-isopropyl ether	U		0.000105	0.00100
Ethylbenzene	U		0.000137	0.00100
Hexachloro-1,3-butadiene	U		0.000337	0.00100

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4230739-2 06/15/25 09:15

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,2,3-Trichlorobenzene	U		0.000230	0.00100
1,2,4-Trichlorobenzene	U		0.000481	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
Trichlorofluoromethane	U		0.000160	0.00500
1,2,3-Trichloropropane	U		0.000237	0.00250
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,2,3-Trimethylbenzene	U		0.000104	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	102			80.0-120
(S) 4-Bromofluorobenzene	97.9			77.0-126
(S) 1,2-Dichloroethane-d4	100			70.0-130

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

(LCS) R4230739-1 06/15/25 08:10 • (LCSD) R4230739-3 06/15/25 10:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0245	0.0230	98.0	92.0	19.0-160			6.32	27
Acrolein	0.0250	0.0283	0.0250	113	100	10.0-160			12.4	26
Acrylonitrile	0.0250	0.0306	0.0267	122	107	55.0-149			13.6	20
Benzene	0.00500	0.00532	0.00520	106	104	70.0-123			2.28	20

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

(LCS) R4230739-1 06/15/25 08:10 • (LCSD) R4230739-3 06/15/25 10:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromobenzene	0.00500	0.00518	0.00447	104	89.4	73.0-121			14.7	20
Bromodichloromethane	0.00500	0.00514	0.00493	103	98.6	75.0-120			4.17	20
Bromoform	0.00500	0.00471	0.00466	94.2	93.2	68.0-132			1.07	20
Bromomethane	0.00500	0.00440	0.00410	88.0	82.0	10.0-160			7.06	25
n-Butylbenzene	0.00500	0.00498	0.00417	99.6	83.4	73.0-125			17.7	20
sec-Butylbenzene	0.00500	0.00531	0.00449	106	89.8	75.0-125			16.7	20
tert-Butylbenzene	0.00500	0.00499	0.00418	99.8	83.6	76.0-124			17.7	20
Carbon tetrachloride	0.00500	0.00491	0.00494	98.2	98.8	68.0-126			0.609	20
Chlorobenzene	0.00500	0.00516	0.00484	103	96.8	80.0-121			6.40	20
Chlorodibromomethane	0.00500	0.00505	0.00480	101	96.0	77.0-125			5.08	20
Chloroethane	0.00500	0.00565	0.00557	113	111	47.0-150			1.43	20
Chloroform	0.00500	0.00488	0.00462	97.6	92.4	73.0-120			5.47	20
Chloromethane	0.00500	0.00503	0.00480	101	96.0	41.0-142			4.68	20
2-Chlorotoluene	0.00500	0.00536	0.00455	107	91.0	76.0-123			16.3	20
4-Chlorotoluene	0.00500	0.00534	0.00444	107	88.8	75.0-122			18.4	20
1,2-Dibromo-3-Chloropropane	0.00500	0.00481	0.00446	96.2	89.2	58.0-134			7.55	20
1,2-Dibromoethane	0.00500	0.00544	0.00502	109	100	80.0-122			8.03	20
Dibromomethane	0.00500	0.00580	0.00524	116	105	80.0-120			10.1	20
1,2-Dichlorobenzene	0.00500	0.00499	0.00431	99.8	86.2	79.0-121			14.6	20
1,3-Dichlorobenzene	0.00500	0.00538	0.00453	108	90.6	79.0-120			17.2	20
1,4-Dichlorobenzene	0.00500	0.00518	0.00449	104	89.8	79.0-120			14.3	20
Dichlorodifluoromethane	0.00500	0.00520	0.00523	104	105	51.0-149			0.575	20
1,1-Dichloroethane	0.00500	0.00533	0.00500	107	100	70.0-126			6.39	20
1,2-Dichloroethane	0.00500	0.00507	0.00480	101	96.0	70.0-128			5.47	20
1,1-Dichloroethene	0.00500	0.00461	0.00458	92.2	91.6	71.0-124			0.653	20
cis-1,2-Dichloroethene	0.00500	0.00535	0.00521	107	104	73.0-120			2.65	20
trans-1,2-Dichloroethene	0.00500	0.00497	0.00497	99.4	99.4	73.0-120			0.000	20
1,2-Dichloropropane	0.00500	0.00551	0.00514	110	103	77.0-125			6.95	20
1,1-Dichloropropene	0.00500	0.00518	0.00487	104	97.4	74.0-126			6.17	20
1,3-Dichloropropane	0.00500	0.00537	0.00481	107	96.2	80.0-120			11.0	20
cis-1,3-Dichloropropene	0.00500	0.00532	0.00494	106	98.8	80.0-123			7.41	20
trans-1,3-Dichloropropene	0.00500	0.00531	0.00505	106	101	78.0-124			5.02	20
2,2-Dichloropropane	0.00500	0.00447	0.00494	89.4	98.8	58.0-130			9.99	20
Di-isopropyl ether	0.00500	0.00539	0.00513	108	103	58.0-138			4.94	20
Ethylbenzene	0.00500	0.00510	0.00473	102	94.6	79.0-123			7.53	20
Hexachloro-1,3-butadiene	0.00500	0.00430	0.00414	86.0	82.8	54.0-138			3.79	20
Isopropylbenzene	0.00500	0.00511	0.00473	102	94.6	76.0-127			7.72	20
p-Isopropyltoluene	0.00500	0.00503	0.00431	101	86.2	76.0-125			15.4	20
2-Butanone (MEK)	0.0250	0.0260	0.0246	104	98.4	44.0-160			5.53	20
Methylene Chloride	0.00500	0.00495	0.00493	99.0	98.6	67.0-120			0.405	20

1
Cp

2
Tc

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Ss

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Cn

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Ds

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Sr

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Qc

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Gl

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Al

10
Sc

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

(LCS) R4230739-1 06/15/25 08:10 • (LCSD) R4230739-3 06/15/25 10:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	0.0250	0.0303	0.0273	121	109	68.0-142			10.4	20
Methyl tert-butyl ether	0.00500	0.00562	0.00515	112	103	68.0-125			8.73	20
Naphthalene	0.00500	0.00426	0.00368	85.2	73.6	54.0-135			14.6	20
n-Propylbenzene	0.00500	0.00513	0.00439	103	87.8	77.0-124			15.5	20
Styrene	0.00500	0.00503	0.00465	101	93.0	73.0-130			7.85	20
1,1,1,2-Tetrachloroethane	0.00500	0.00536	0.00513	107	103	75.0-125			4.39	20
1,1,2,2-Tetrachloroethane	0.00500	0.00534	0.00462	107	92.4	65.0-130			14.5	20
1,1,2-Trichlorotrifluoroethane	0.00500	0.00489	0.00482	97.8	96.4	69.0-132			1.44	20
Tetrachloroethene	0.00500	0.00475	0.00451	95.0	90.2	72.0-132			5.18	20
Toluene	0.00500	0.00511	0.00491	102	98.2	79.0-120			3.99	20
1,2,3-Trichlorobenzene	0.00500	0.00409	0.00365	81.8	73.0	50.0-138			11.4	20
1,2,4-Trichlorobenzene	0.00500	0.00399	0.00349	79.8	69.8	57.0-137			13.4	20
1,1,1-Trichloroethane	0.00500	0.00524	0.00508	105	102	73.0-124			3.10	20
1,1,2-Trichloroethane	0.00500	0.00541	0.00498	108	99.6	80.0-120			8.28	20
Trichloroethene	0.00500	0.00541	0.00496	108	99.2	78.0-124			8.68	20
Trichlorofluoromethane	0.00500	0.00534	0.00523	107	105	59.0-147			2.08	20
1,2,3-Trichloropropane	0.00500	0.00551	0.00461	110	92.2	73.0-130			17.8	20
1,2,4-Trimethylbenzene	0.00500	0.00523	0.00444	105	88.8	76.0-121			16.3	20
1,2,3-Trimethylbenzene	0.00500	0.00525	0.00443	105	88.6	77.0-120			16.9	20
1,3,5-Trimethylbenzene	0.00500	0.00526	0.00450	105	90.0	76.0-122			15.6	20
Vinyl chloride	0.00500	0.00537	0.00537	107	107	67.0-131			0.000	20
Xylenes, Total	0.0150	0.0150	0.0141	100	94.0	79.0-123			6.19	20
(S) Toluene-d8				98.9	96.9	80.0-120				
(S) 4-Bromofluorobenzene				103	104	77.0-126				
(S) 1,2-Dichloroethane-d4				103	106	70.0-130				

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4233571-1 06/20/25 08:32

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	0.641	J	0.274	4.00
(S) o-Terphenyl	84.7			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4233571-2 06/20/25 08:47

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	41.5	83.0	50.0-150	
(S) o-Terphenyl			89.8	18.0-148	

L1869901-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869901-16 06/20/25 13:24 • (MS) R4233571-3 06/20/25 13:39 • (MSD) R4233571-4 06/20/25 13:53

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	64.7	ND	53.6	50.8	52.2	48.2	5	50.0-150		J6	5.31	20
(S) o-Terphenyl					65.3	58.5		18.0-148				

Sample Narrative:

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

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4233789-1 06/20/25 11:07

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	69.5			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4233789-2 06/20/25 11:19

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	42.2	84.4	50.0-150	
(S) o-Terphenyl			75.8	18.0-148	

L1869905-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869905-11 06/20/25 13:15 • (MS) R4233789-3 06/20/25 13:41 • (MSD) R4233789-4 06/20/25 14:06

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	52.4	15.2	45.3	46.6	57.5	58.8	1	50.0-150			2.89	20
(S) o-Terphenyl					54.3	46.9		18.0-148				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4233547-2 06/19/25 20:13

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthylene	U		0.00567	0.0333
Benzidine	U		0.999	1.67
Benzo(g,h,i)perylene	U		0.00644	0.0333
Bis(2-chlorethoxy)methane	U		0.0361	0.333
Bis(2-chloroethyl)ether	U		0.0629	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0326	0.333
4-Bromophenyl-phenylether	U		0.0475	0.333
2-Chloronaphthalene	U		0.00496	0.0333
4-Chlorophenyl-phenylether	U		0.0475	0.333
1,2-Dichlorobenzene	U		0.0286	0.333
1,3-Dichlorobenzene	U		0.0290	0.333
1,4-Dichlorobenzene	U		0.0286	0.333
3,3-Dichlorobenzidine	U		0.127	0.333
2,4-Dinitrotoluene	U		0.0660	0.333
2,6-Dinitrotoluene	U		0.0628	0.333
Hexachlorobenzene	U		0.0544	0.333
Hexachloro-1,3-butadiene	U		0.0528	0.333
Hexachlorocyclopentadiene	U		0.102	0.333
Hexachloroethane	U		0.0410	0.333
Isophorone	U		0.0419	0.333
Nitrobenzene	U		0.0450	0.333
n-Nitrosodimethylamine	U		0.0782	0.333
n-Nitrosodiphenylamine	U		0.0427	0.333
n-Nitrosodi-n-propylamine	U		0.0528	0.333
Phenanthrene	U		0.00366	0.0333
Benzylbutyl phthalate	U		0.0645	0.333
Bis(2-ethylhexyl)phthalate	U		0.0657	0.333
Di-n-butyl phthalate	U		0.0448	0.333
Diethyl phthalate	U		0.0516	0.333
Dimethyl phthalate	U		0.0447	0.333
Di-n-octyl phthalate	U		0.147	0.333
1,2,4-Trichlorobenzene	U		0.0395	0.333
4-Chloro-3-methylphenol	U		0.0520	0.333
2-Chlorophenol	U		0.0346	0.333
2,4-Dichlorophenol	U		0.0439	0.333
2,4-Dimethylphenol	U		0.0691	0.333
4,6-Dinitro-2-methylphenol	U		0.102	0.333
2,4-Dinitrophenol	U		0.127	0.333
2-Nitrophenol	U		0.0494	0.333
4-Nitrophenol	U		0.106	0.333

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4233547-2 06/19/25 20:13

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	55.0			12.0-120
(S) Phenol-d5	52.6			10.0-120
(S) Nitrobenzene-d5	49.8			10.0-122
(S) 2-Fluorobiphenyl	44.7			15.0-120
(S) 2,4,6-Tribromophenol	24.0			10.0-127
(S) p-Terphenyl-d14	55.9			10.0-120

Laboratory Control Sample (LCS)

(LCS) R4233547-1 06/19/25 19:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthylene	0.666	0.347	52.1	40.0-120	
Benzidine	1.33	U	0.000	10.0-120	J4
Benzo(g,h,i)perylene	0.666	0.388	58.3	43.0-120	
Bis(2-chlorethoxy)methane	0.666	0.333	50.0	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.530	79.6	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.343	51.5	23.0-120	
4-Bromophenyl-phenylether	0.666	0.349	52.4	40.0-120	
2-Chloronaphthalene	0.666	0.359	53.9	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.373	56.0	40.0-120	
1,2-Dichlorobenzene	0.666	0.326	48.9	32.0-120	
1,3-Dichlorobenzene	0.666	0.318	47.7	30.0-120	
1,4-Dichlorobenzene	0.666	0.317	47.6	31.0-120	
3,3-Dichlorobenzidine	1.33	0.785	59.0	28.0-120	
2,4-Dinitrotoluene	0.666	0.368	55.3	45.0-120	
2,6-Dinitrotoluene	0.666	0.358	53.8	42.0-120	
Hexachlorobenzene	0.666	0.306	45.9	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.249	37.4	15.0-120	
Hexachlorocyclopentadiene	0.666	0.158	23.7	15.0-120	
Hexachloroethane	0.666	0.338	50.8	17.0-120	
Isophorone	0.666	0.341	51.2	23.0-120	
Nitrobenzene	0.666	0.323	48.5	17.0-120	
n-Nitrosodimethylamine	0.666	0.355	53.3	10.0-125	
n-Nitrosodiphenylamine	0.666	0.381	57.2	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.385	57.8	26.0-120	

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Laboratory Control Sample (LCS)

(LCS) R4233547-1 06/19/25 19:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Phenanthrene	0.666	0.402	60.4	42.0-120	
Benzylbutyl phthalate	0.666	0.466	70.0	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.485	72.8	41.0-120	
Di-n-butyl phthalate	0.666	0.448	67.3	43.0-120	
Diethyl phthalate	0.666	0.428	64.3	43.0-120	
Dimethyl phthalate	0.666	0.423	63.5	43.0-120	
Di-n-octyl phthalate	0.666	0.389	58.4	40.0-120	
1,2,4-Trichlorobenzene	0.666	0.278	41.7	17.0-120	
4-Chloro-3-methylphenol	0.666	0.339	50.9	28.0-120	
2-Chlorophenol	0.666	0.344	51.7	28.0-120	
2,4-Dichlorophenol	0.666	0.285	42.8	25.0-120	
2,4-Dimethylphenol	0.666	0.321	48.2	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.306	45.9	16.0-120	
2,4-Dinitrophenol	0.666	0.253	38.0	10.0-120	
2-Nitrophenol	0.666	0.292	43.8	20.0-120	
4-Nitrophenol	0.666	0.413	62.0	27.0-120	
Pentachlorophenol	0.666	0.245	36.8	29.0-120	
Phenol	0.666	0.387	58.1	28.0-120	
2,4,6-Trichlorophenol	0.666	0.351	52.7	37.0-120	
(S) 2-Fluorophenol			59.5	12.0-120	
(S) Phenol-d5			59.8	10.0-120	
(S) Nitrobenzene-d5			46.2	10.0-122	
(S) 2-Fluorobiphenyl			51.4	15.0-120	
(S) 2,4,6-Tribromophenol			35.6	10.0-127	
(S) p-Terphenyl-d14			60.1	10.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

L1869901-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869901-16 06/20/25 03:28 • (MS) R4233512-1 06/20/25 03:51 • (MSD) R4233512-2 06/20/25 04:14

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	0.837	ND	0.421	0.351	50.3	42.0	1	25.0-120			18.1	32
Benzidine	1.68	ND	ND	ND	0.000	0.000	1	10.0-120	J6	J6	0.000	40
Benzo(g,h,i)perylene	0.837	ND	0.377	0.307	44.0	35.6	1	10.0-120			20.4	33
Bis(2-chlorethoxy)methane	0.837	ND	ND	ND	35.0	29.2	1	10.0-120			18.2	34
Bis(2-chloroethyl)ether	0.837	ND	ND	ND	46.8	32.6	1	10.0-120			35.7	40
2,2-Oxybis(1-Chloropropane)	0.837	ND	ND	ND	39.0	32.0	1	10.0-120			19.6	40
4-Bromophenyl-phenylether	0.837	ND	0.474	ND	56.6	47.8	1	27.0-120			16.9	30
2-Chloronaphthalene	0.837	ND	0.369	0.309	44.2	36.9	1	20.0-120			17.9	32

L1869901-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869901-16 06/20/25 03:28 • (MS) R4233512-1 06/20/25 03:51 • (MSD) R4233512-2 06/20/25 04:14

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	0.837	ND	0.451	ND	53.9	46.7	1	24.0-120			14.4	29
1,2-Dichlorobenzene	0.837	ND	ND	ND	41.2	34.1	1	10.0-120			18.9	38
1,3-Dichlorobenzene	0.837	ND	ND	ND	39.0	32.6	1	10.0-120			17.6	40
1,4-Dichlorobenzene	0.837	ND	ND	ND	41.5	34.4	1	10.0-120			18.7	39
3,3-Dichlorobenzidine	1.68	ND	ND	ND	10.8	21.7	1	10.0-120		J3	67.0	34
2,4-Dinitrotoluene	0.837	ND	0.457	ND	54.6	48.1	1	30.0-120			12.6	31
2,6-Dinitrotoluene	0.837	ND	0.462	ND	55.2	47.3	1	25.0-120			15.4	31
Hexachlorobenzene	0.837	ND	0.500	ND	59.8	51.1	1	27.0-120			15.6	28
Hexachloro-1,3-butadiene	0.837	ND	ND	ND	38.0	32.2	1	10.0-120			16.6	38
Hexachlorocyclopentadiene	0.837	ND	ND	ND	0.000	0.000	1	10.0-120	J6	J6	0.000	40
Hexachloroethane	0.837	ND	ND	ND	30.3	24.3	1	10.0-120			22.0	40
Isophorone	0.837	ND	ND	ND	33.9	28.7	1	13.0-120			16.6	34
Nitrobenzene	0.837	ND	ND	ND	31.5	27.4	1	10.0-120			13.9	36
n-Nitrosodimethylamine	0.837	ND	ND	ND	32.2	26.3	1	10.0-127			19.9	40
n-Nitrosodiphenylamine	0.837	ND	ND	ND	48.9	43.7	1	17.0-120			11.2	29
n-Nitrosodi-n-propylamine	0.837	ND	ND	ND	39.4	31.7	1	10.0-120			21.7	37
Phenanthrene	0.837	ND	0.446	0.365	52.6	43.0	1	17.0-120			19.8	31
Benzylbutyl phthalate	0.837	ND	ND	ND	50.8	44.3	1	23.0-120			13.6	30
Bis(2-ethylhexyl)phthalate	0.837	ND	0.439	ND	52.5	44.8	1	17.0-126			15.9	30
Di-n-butyl phthalate	0.837	ND	ND	ND	52.1	45.3	1	30.0-120			13.9	29
Diethyl phthalate	0.837	ND	ND	ND	49.4	42.0	1	26.0-120			16.2	28
Dimethyl phthalate	0.837	ND	ND	ND	51.1	44.5	1	25.0-120			13.9	29
Di-n-octyl phthalate	0.837	ND	0.457	ND	54.6	45.7	1	21.0-123			17.6	29
1,2,4-Trichlorobenzene	0.837	ND	ND	ND	40.7	35.2	1	12.0-120			14.6	37
4-Chloro-3-methylphenol	0.837	ND	ND	ND	43.4	36.9	1	15.0-120			16.1	30
2-Chlorophenol	0.837	ND	ND	ND	43.4	35.6	1	15.0-120			19.6	37
2,4-Dichlorophenol	0.837	ND	ND	ND	45.4	39.3	1	20.0-120			14.5	31
2,4-Dimethylphenol	0.837	ND	ND	ND	36.9	31.2	1	10.0-120			16.7	33
4,6-Dinitro-2-methylphenol	0.837	ND	0.532	0.442	63.6	52.8	1	10.0-120			18.4	39
2,4-Dinitrophenol	0.837	ND	0.526	0.449	62.9	53.6	1	10.0-121			16.0	40
2-Nitrophenol	0.837	ND	ND	ND	44.3	37.2	1	12.0-120			17.4	39
4-Nitrophenol	0.837	ND	0.517	0.443	61.8	53.0	1	10.0-137			15.4	32
Pentachlorophenol	0.837	ND	0.468	ND	56.0	47.2	1	10.0-160			17.1	31
Phenol	0.837	ND	ND	ND	42.7	36.4	1	12.0-120			15.9	38
2,4,6-Trichlorophenol	0.837	ND	0.449	ND	53.6	45.0	1	19.0-120			17.6	32
(S) 2-Fluorophenol					44.8	37.5		12.0-120				
(S) Phenol-d5					43.1	35.0		10.0-120				
(S) Nitrobenzene-d5					31.9	26.8		10.0-122				
(S) 2-Fluorobiphenyl					42.9	36.0		15.0-120				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

L1869901-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869901-16 06/20/25 03:28 • (MS) R4233512-1 06/20/25 03:51 • (MSD) R4233512-2 06/20/25 04:14

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					69.4	60.6		10.0-127				
(S) p-Terphenyl-d14					51.1	44.8		10.0-120				

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4233467-2 06/19/25 23:15

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthylene	U		0.00567	0.0333
Benzidine	U		0.999	1.67
Benzo(g,h,i)perylene	U		0.00644	0.0333
Bis(2-chlorethoxy)methane	U		0.0361	0.333
Bis(2-chloroethyl)ether	U		0.0629	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0326	0.333
4-Bromophenyl-phenylether	U		0.0475	0.333
2-Chloronaphthalene	U		0.00496	0.0333
4-Chlorophenyl-phenylether	U		0.0475	0.333
1,2-Dichlorobenzene	U		0.0286	0.333
1,3-Dichlorobenzene	U		0.0290	0.333
1,4-Dichlorobenzene	U		0.0286	0.333
3,3-Dichlorobenzidine	U		0.127	0.333
2,4-Dinitrotoluene	U		0.0660	0.333
2,6-Dinitrotoluene	U		0.0628	0.333
Hexachlorobenzene	U		0.0544	0.333
Hexachloro-1,3-butadiene	U		0.0528	0.333
Hexachlorocyclopentadiene	U		0.102	0.333
Hexachloroethane	U		0.0410	0.333
Isophorone	U		0.0419	0.333
Nitrobenzene	U		0.0450	0.333
n-Nitrosodimethylamine	U		0.0782	0.333
n-Nitrosodiphenylamine	U		0.0427	0.333
n-Nitrosodi-n-propylamine	U		0.0528	0.333
Phenanthrene	U		0.00366	0.0333
Benzylbutyl phthalate	U		0.0645	0.333
Bis(2-ethylhexyl)phthalate	U		0.0657	0.333
Di-n-butyl phthalate	U		0.0448	0.333
Diethyl phthalate	U		0.0516	0.333
Dimethyl phthalate	U		0.0447	0.333
Di-n-octyl phthalate	U		0.147	0.333
1,2,4-Trichlorobenzene	U		0.0395	0.333
4-Chloro-3-methylphenol	U		0.0520	0.333
2-Chlorophenol	U		0.0346	0.333
2,4-Dichlorophenol	U		0.0439	0.333
2,4-Dimethylphenol	U		0.0691	0.333
4,6-Dinitro-2-methylphenol	U		0.102	0.333
2,4-Dinitrophenol	U		0.127	0.333
2-Nitrophenol	U		0.0494	0.333
4-Nitrophenol	U		0.106	0.333

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4233467-2 06/19/25 23:15

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	63.1			12.0-120
(S) Phenol-d5	52.1			10.0-120
(S) Nitrobenzene-d5	47.4			10.0-122
(S) 2-Fluorobiphenyl	48.6			15.0-120
(S) 2,4,6-Tribromophenol	52.9			10.0-127
(S) p-Terphenyl-d14	62.5			10.0-120

Laboratory Control Sample (LCS)

(LCS) R4233467-1 06/19/25 22:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthylene	0.666	0.434	65.2	40.0-120	
Benzidine	1.33	U	0.000	10.0-120	J4
Benzo(g,h,i)perylene	0.666	0.334	50.2	43.0-120	
Bis(2-chlorethoxy)methane	0.666	0.345	51.8	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.434	65.2	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.358	53.8	23.0-120	
4-Bromophenyl-phenylether	0.666	0.411	61.7	40.0-120	
2-Chloronaphthalene	0.666	0.378	56.8	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.388	58.3	40.0-120	
1,2-Dichlorobenzene	0.666	0.347	52.1	32.0-120	
1,3-Dichlorobenzene	0.666	0.311	46.7	30.0-120	
1,4-Dichlorobenzene	0.666	0.332	49.8	31.0-120	
3,3-Dichlorobenzidine	1.33	0.902	67.8	28.0-120	
2,4-Dinitrotoluene	0.666	0.443	66.5	45.0-120	
2,6-Dinitrotoluene	0.666	0.423	63.5	42.0-120	
Hexachlorobenzene	0.666	0.390	58.6	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.285	42.8	15.0-120	
Hexachlorocyclopentadiene	0.666	0.266	39.9	15.0-120	
Hexachloroethane	0.666	0.397	59.6	17.0-120	
Isophorone	0.666	0.372	55.9	23.0-120	
Nitrobenzene	0.666	0.389	58.4	17.0-120	
n-Nitrosodimethylamine	0.666	0.773	116	10.0-125	
n-Nitrosodiphenylamine	0.666	0.417	62.6	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.433	65.0	26.0-120	

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Laboratory Control Sample (LCS)

(LCS) R4233467-1 06/19/25 22:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Phenanthrene	0.666	0.379	56.9	42.0-120	
Benzylbutyl phthalate	0.666	0.536	80.5	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.547	82.1	41.0-120	
Di-n-butyl phthalate	0.666	0.479	71.9	43.0-120	
Diethyl phthalate	0.666	0.449	67.4	43.0-120	
Dimethyl phthalate	0.666	0.428	64.3	43.0-120	
Di-n-octyl phthalate	0.666	0.493	74.0	40.0-120	
1,2,4-Trichlorobenzene	0.666	0.293	44.0	17.0-120	
4-Chloro-3-methylphenol	0.666	0.419	62.9	28.0-120	
2-Chlorophenol	0.666	0.359	53.9	28.0-120	
2,4-Dichlorophenol	0.666	0.364	54.7	25.0-120	
2,4-Dimethylphenol	0.666	0.370	55.6	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.387	58.1	16.0-120	
2,4-Dinitrophenol	0.666	0.306	45.9	10.0-120	
2-Nitrophenol	0.666	0.382	57.4	20.0-120	
4-Nitrophenol	0.666	0.367	55.1	27.0-120	
Pentachlorophenol	0.666	0.272	40.8	29.0-120	
Phenol	0.666	0.405	60.8	28.0-120	
2,4,6-Trichlorophenol	0.666	0.385	57.8	37.0-120	
(S) 2-Fluorophenol			74.3	12.0-120	
(S) Phenol-d5			60.1	10.0-120	
(S) Nitrobenzene-d5			53.2	10.0-122	
(S) 2-Fluorobiphenyl			61.3	15.0-120	
(S) 2,4,6-Tribromophenol			67.3	10.0-127	
(S) p-Terphenyl-d14			65.2	10.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

L1869905-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869905-11 06/20/25 15:23 • (MS) R4233796-1 06/20/25 15:47 • (MSD) R4233796-2 06/20/25 16:10

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Acenaphthylene	0.711	ND	0.449	0.442	63.1	62.3	2	25.0-120			1.49	32
Benzidine	1.28	ND	ND	ND	0.000	0.000	2	10.0-120	J6	J6	0.000	40
Benzo(g,h,i)perylene	0.711	ND	0.423	0.374	59.5	52.8	2	10.0-120			12.2	33
Bis(2-chlorethoxy)methane	0.711	ND	ND	ND	46.9	46.3	2	10.0-120			1.68	34
Bis(2-chloroethyl)ether	0.711	ND	ND	ND	54.7	51.7	2	10.0-120			5.87	40
2,2-Oxybis(1-Chloropropane)	0.711	ND	ND	ND	53.0	51.1	2	10.0-120			3.90	40
4-Bromophenyl-phenylether	0.711	ND	ND	ND	71.3	69.5	2	27.0-120			2.88	30
2-Chloronaphthalene	0.711	ND	0.418	0.406	58.7	57.3	2	20.0-120			2.69	32

L1869905-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869905-11 06/20/25 15:23 • (MS) R4233796-1 06/20/25 15:47 • (MSD) R4233796-2 06/20/25 16:10

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	0.711	ND	ND	ND	70.1	67.0	2	24.0-120			4.78	29
1,2-Dichlorobenzene	0.711	ND	ND	ND	54.0	54.2	2	10.0-120			0.000	38
1,3-Dichlorobenzene	0.711	ND	ND	ND	52.6	53.4	2	10.0-120			1.18	40
1,4-Dichlorobenzene	0.711	ND	ND	ND	55.1	55.5	2	10.0-120			0.282	39
3,3-Dichlorobenzidine	1.42	ND	ND	ND	48.9	47.6	2	10.0-120			2.75	34
2,4-Dinitrotoluene	0.711	ND	ND	ND	66.2	63.6	2	30.0-120			4.33	31
2,6-Dinitrotoluene	0.711	ND	ND	ND	65.0	65.2	2	25.0-120			0.000	31
Hexachlorobenzene	0.711	ND	ND	ND	74.3	70.0	2	27.0-120			6.27	28
Hexachloro-1,3-butadiene	0.711	ND	ND	ND	54.0	53.6	2	10.0-120			1.16	38
Hexachlorocyclopentadiene	0.711	ND	ND	ND	0.000	0.000	2	10.0-120	J6	J6	0.000	40
Hexachloroethane	0.711	ND	ND	ND	43.3	41.6	2	10.0-120			4.41	40
Isophorone	0.711	ND	ND	ND	45.0	45.0	2	13.0-120			0.347	34
Nitrobenzene	0.711	ND	ND	ND	43.5	43.1	2	10.0-120			1.08	36
n-Nitrosodimethylamine	0.711	ND	ND	ND	39.9	40.9	2	10.0-127			2.32	40
n-Nitrosodiphenylamine	0.711	ND	ND	ND	63.7	61.4	2	17.0-120			3.99	29
n-Nitrosodi-n-propylamine	0.711	ND	ND	ND	49.4	49.7	2	10.0-120			0.315	37
Phenanthrene	0.711	ND	0.432	0.418	60.7	58.9	2	17.0-120			3.39	31
Benzylbutyl phthalate	0.711	ND	ND	ND	59.0	57.2	2	23.0-120			3.49	30
Bis(2-ethylhexyl)phthalate	0.711	ND	ND	ND	60.9	57.7	2	17.0-126			5.79	30
Di-n-butyl phthalate	0.711	ND	ND	ND	63.4	60.3	2	30.0-120			5.30	29
Diethyl phthalate	0.711	ND	ND	ND	59.2	58.0	2	26.0-120			2.40	28
Dimethyl phthalate	0.711	ND	ND	ND	64.2	62.7	2	25.0-120			2.71	29
Di-n-octyl phthalate	0.711	ND	ND	ND	63.4	59.8	2	21.0-123			6.08	29
1,2,4-Trichlorobenzene	0.711	ND	ND	ND	58.7	58.9	2	12.0-120			0.000	37
4-Chloro-3-methylphenol	0.711	ND	ND	ND	52.5	50.5	2	15.0-120			4.24	30
2-Chlorophenol	0.711	ND	ND	ND	56.5	55.3	2	15.0-120			2.51	37
2,4-Dichlorophenol	0.711	ND	ND	ND	61.4	58.7	2	20.0-120			4.68	31
2,4-Dimethylphenol	0.711	ND	ND	ND	48.8	47.2	2	10.0-120			3.58	33
4,6-Dinitro-2-methylphenol	0.711	ND	ND	ND	83.6	77.7	2	10.0-120			7.74	39
2,4-Dinitrophenol	0.711	ND	ND	ND	71.8	68.3	2	10.0-121			5.35	40
2-Nitrophenol	0.711	ND	ND	ND	62.5	61.3	2	12.0-120			2.27	39
4-Nitrophenol	0.711	ND	ND	ND	65.3	62.8	2	10.0-137			4.14	32
Pentachlorophenol	0.711	ND	ND	ND	51.1	37.5	2	10.0-160			31.0	31
Phenol	0.711	ND	ND	ND	54.4	54.2	2	12.0-120			0.575	38
2,4,6-Trichlorophenol	0.711	ND	ND	ND	65.0	60.9	2	19.0-120			6.69	32
(S) 2-Fluorophenol					62.2	62.0		12.0-120				
(S) Phenol-d5					58.5	58.9		10.0-120				
(S) Nitrobenzene-d5					47.0	45.3		10.0-122				
(S) 2-Fluorobiphenyl					60.4	60.3		15.0-120				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

L1869905-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869905-11 06/20/25 15:23 • (MS) R4233796-1 06/20/25 15:47 • (MSD) R4233796-2 06/20/25 16:10

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
(S) 2,4,6-Tribromophenol					85.8	83.7		10.0-127				
(S) p-Terphenyl-d14					63.2	60.6		10.0-120				

Sample Narrative:

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4234252-2 06/21/25 08:55

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	113			23.0-120
(S) Nitrobenzene-d5	108			14.0-149
(S) 2-Fluorobiphenyl	110			34.0-125

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Laboratory Control Sample (LCS)

(LCS) R4234252-1 06/21/25 08:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0836	105	50.0-126	
Acenaphthene	0.0800	0.0706	88.3	50.0-120	
Acenaphthylene	0.0800	0.0781	97.6	50.0-120	
Benzo(a)anthracene	0.0800	0.0885	111	45.0-120	
Benzo(a)pyrene	0.0800	0.0689	86.1	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0765	95.6	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0826	103	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0782	97.8	49.0-125	
Chrysene	0.0800	0.0831	104	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0897	112	47.0-125	
Fluoranthene	0.0800	0.0843	105	49.0-129	
Fluorene	0.0800	0.0795	99.4	49.0-120	

Laboratory Control Sample (LCS)

(LCS) R4234252-1 06/21/25 08:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Indeno(1,2,3-cd)pyrene	0.0800	0.0846	106	46.0-125	
Naphthalene	0.0800	0.0723	90.4	50.0-120	
Phenanthrene	0.0800	0.0794	99.3	47.0-120	
Pyrene	0.0800	0.0806	101	43.0-123	
1-Methylnaphthalene	0.0800	0.0771	96.4	51.0-121	
2-Methylnaphthalene	0.0800	0.0743	92.9	50.0-120	
(S) p-Terphenyl-d14			113	23.0-120	
(S) Nitrobenzene-d5			115	14.0-149	
(S) 2-Fluorobiphenyl			112	34.0-125	

L1869901-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869901-16 06/21/25 15:49 • (MS) R4234252-3 06/21/25 16:08 • (MSD) R4234252-4 06/21/25 16:27

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 %
Anthracene	0.101	ND	0.105	0.0957	104	94.9	1	10.0-145			9.59	30
Acenaphthene	0.101	ND	0.0793	0.0720	78.7	71.5	1	14.0-127			9.59	27
Acenaphthylene	0.101	ND	0.0958	0.0863	95.0	85.6	1	21.0-124			10.4	25
Benzo(a)anthracene	0.101	0.0392	0.130	0.119	90.2	78.8	1	10.0-139			9.23	30
Benzo(a)pyrene	0.101	ND	0.108	0.0976	107	96.9	1	10.0-141			10.3	31
Benzo(b)fluoranthene	0.101	0.0450	0.0908	0.0829	45.4	37.6	1	10.0-140			9.12	36
Benzo(g,h,i)perylene	0.101	ND	0.0889	0.0797	88.2	79.1	1	10.0-140			11.0	33
Benzo(k)fluoranthene	0.101	ND	0.0797	0.0726	79.1	72.0	1	10.0-137			9.36	31
Chrysene	0.101	0.0482	0.106	0.0986	57.6	50.0	1	10.0-145			7.47	30
Dibenz(a,h)anthracene	0.101	ND	0.0924	0.0825	91.6	81.8	1	10.0-132			11.3	31
Fluoranthene	0.101	0.0759	0.128	0.120	51.4	43.6	1	10.0-153			6.40	33
Fluorene	0.101	ND	0.0921	0.0843	91.4	83.6	1	11.0-130			8.83	29
Indeno(1,2,3-cd)pyrene	0.101	ND	0.108	0.0953	107	94.5	1	10.0-137			12.2	32
Naphthalene	0.101	ND	0.0819	0.0738	81.3	73.2	1	10.0-135			10.5	27
Phenanthrene	0.101	ND	0.0958	0.0905	95.0	89.8	1	10.0-144			5.67	31
Pyrene	0.101	0.0661	0.106	0.101	39.9	34.2	1	10.0-148			5.61	35
1-Methylnaphthalene	0.101	ND	0.0875	0.0793	86.8	78.7	1	10.0-142			9.81	28
2-Methylnaphthalene	0.101	ND	0.0856	0.0773	84.9	76.7	1	10.0-137			10.2	28
(S) p-Terphenyl-d14					88.6	78.1		23.0-120				
(S) Nitrobenzene-d5					112	102		14.0-149				
(S) 2-Fluorobiphenyl					93.6	82.9		34.0-125				

1

Cp

2

Tc

3

Ss

4

Cn

5

Ds

6

Sr

7

Qc

8

Gl

9

Al

10

Sc

Method Blank (MB)

(MB) R4235125-2 06/20/25 22:46

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	0.00537		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	141	J1		23.0-120
(S) Nitrobenzene-d5	104			14.0-149
(S) 2-Fluorobiphenyl	126	J1		34.0-125

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Laboratory Control Sample (LCS)

(LCS) R4235125-1 06/20/25 22:26

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0745	93.1	50.0-126	
Acenaphthene	0.0800	0.0780	97.5	50.0-120	
Acenaphthylene	0.0800	0.0709	88.6	50.0-120	
Benzo(a)anthracene	0.0800	0.0773	96.6	45.0-120	
Benzo(a)pyrene	0.0800	0.0704	88.0	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0985	123	42.0-121	J4
Benzo(g,h,i)perylene	0.0800	0.0963	120	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0901	113	49.0-125	
Chrysene	0.0800	0.0945	118	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0932	117	47.0-125	
Fluoranthene	0.0800	0.0831	104	49.0-129	
Fluorene	0.0800	0.0881	110	49.0-120	

Laboratory Control Sample (LCS)

(LCS) R4235125-1 06/20/25 22:26

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Indeno(1,2,3-cd)pyrene	0.0800	0.0815	102	46.0-125	
Naphthalene	0.0800	0.0787	98.4	50.0-120	
Phenanthrene	0.0800	0.0875	109	47.0-120	
Pyrene	0.0800	0.0940	117	43.0-123	
1-Methylnaphthalene	0.0800	0.0840	105	51.0-121	
2-Methylnaphthalene	0.0800	0.0825	103	50.0-120	
(S) p-Terphenyl-d14			134	23.0-120	J1
(S) Nitrobenzene-d5			103	14.0-149	
(S) 2-Fluorobiphenyl			125	34.0-125	

L1869905-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1869905-11 06/21/25 01:04 • (MS) R4235125-3 06/21/25 01:24 • (MSD) R4235125-4 06/21/25 01:43

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.0855	ND	0.0777	0.0720	90.9	83.8	1	10.0-145			7.69	30
Acenaphthene	0.0855	ND	0.0770	0.0694	90.0	80.8	1	14.0-127			10.3	27
Acenaphthylene	0.0855	ND	0.0753	0.0673	88.1	78.4	1	21.0-124			11.2	25
Benzo(a)anthracene	0.0855	ND	0.0819	0.0748	95.9	87.0	1	10.0-139			9.19	30
Benzo(a)pyrene	0.0855	ND	0.0864	0.0756	101	88.0	1	10.0-141			13.3	31
Benzo(b)fluoranthene	0.0855	ND	0.0931	0.0808	109	94.1	1	10.0-140			14.1	36
Benzo(g,h,i)perylene	0.0855	ND	0.0957	0.0827	112	96.3	1	10.0-140			14.5	33
Benzo(k)fluoranthene	0.0855	ND	0.0855	0.0756	100	88.0	1	10.0-137			12.2	31
Chrysene	0.0855	ND	0.0977	0.0866	114	101	1	10.0-145			12.0	30
Dibenz(a,h)anthracene	0.0855	ND	0.0914	0.0800	107	93.0	1	10.0-132			13.3	31
Fluoranthene	0.0855	ND	0.0866	0.0796	101	92.7	1	10.0-153			8.39	33
Fluorene	0.0855	ND	0.0893	0.0780	104	90.7	1	11.0-130			13.5	29
Indeno(1,2,3-cd)pyrene	0.0855	ND	0.0846	0.0729	99.0	84.8	1	10.0-137			14.9	32
Naphthalene	0.0855	ND	0.0784	0.0739	91.7	86.0	1	10.0-135			5.96	27
Phenanthrene	0.0855	ND	0.0901	0.0793	105	92.3	1	10.0-144			12.8	31
Pyrene	0.0855	ND	0.0901	0.0784	105	91.2	1	10.0-148			13.9	35
1-Methylnaphthalene	0.0855	ND	0.0842	0.0769	98.4	89.4	1	10.0-142			9.08	28
2-Methylnaphthalene	0.0855	ND	0.0834	0.0761	97.5	88.5	1	10.0-137			9.17	28
(S) p-Terphenyl-d14					113	98.4		23.0-120				
(S) Nitrobenzene-d5					102	99.3		14.0-149				
(S) 2-Fluorobiphenyl					114	104		34.0-125				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4235874-2 06/25/25 00:26

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	89.6			23.0-120
(S) Nitrobenzene-d5	83.3			14.0-149
(S) 2-Fluorobiphenyl	90.5			34.0-125

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Laboratory Control Sample (LCS)

(LCS) R4235874-1 06/25/25 00:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0899	112	50.0-126	
Acenaphthene	0.0800	0.0775	96.9	50.0-120	
Acenaphthylene	0.0800	0.0814	102	50.0-120	
Benzo(a)anthracene	0.0800	0.0930	116	45.0-120	
Benzo(a)pyrene	0.0800	0.0856	107	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0910	114	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0930	116	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0916	115	49.0-125	
Chrysene	0.0800	0.0951	119	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0949	119	47.0-125	
Fluoranthene	0.0800	0.0946	118	49.0-129	
Fluorene	0.0800	0.0892	112	49.0-120	

Laboratory Control Sample (LCS)

(LCS) R4235874-1 06/25/25 00:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Indeno(1,2,3-cd)pyrene	0.0800	0.0901	113	46.0-125	
Naphthalene	0.0800	0.0809	101	50.0-120	
Phenanthrene	0.0800	0.0894	112	47.0-120	
Pyrene	0.0800	0.0855	107	43.0-123	
1-Methylnaphthalene	0.0800	0.0825	103	51.0-121	
2-Methylnaphthalene	0.0800	0.0803	100	50.0-120	
(S) p-Terphenyl-d14			94.2	23.0-120	
(S) Nitrobenzene-d5			88.7	14.0-149	
(S) 2-Fluorobiphenyl			96.4	34.0-125	

L1870296-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1870296-05 06/25/25 03:37 • (MS) R4235874-3 06/25/25 03:54 • (MSD) R4235874-4 06/25/25 04:12

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.0796	ND	0.0725	0.0753	91.1	95.1	1	10.0-145			3.79	30
Acenaphthene	0.0796	ND	0.0623	0.0670	78.3	84.6	1	14.0-127			7.27	27
Acenaphthylene	0.0796	ND	0.0662	0.0696	83.2	87.9	1	21.0-124			5.01	25
Benzo(a)anthracene	0.0796	ND	0.0754	0.0785	94.7	99.1	1	10.0-139			4.03	30
Benzo(a)pyrene	0.0796	ND	0.0729	0.0754	91.6	95.2	1	10.0-141			3.37	31
Benzo(b)fluoranthene	0.0796	ND	0.0700	0.0714	87.9	90.2	1	10.0-140			1.98	36
Benzo(g,h,i)perylene	0.0796	ND	0.0719	0.0744	90.3	93.9	1	10.0-140			3.42	33
Benzo(k)fluoranthene	0.0796	ND	0.0715	0.0745	89.8	94.1	1	10.0-137			4.11	31
Chrysene	0.0796	ND	0.0759	0.0785	95.4	99.1	1	10.0-145			3.37	30
Dibenz(a,h)anthracene	0.0796	ND	0.0740	0.0768	93.0	97.0	1	10.0-132			3.71	31
Fluoranthene	0.0796	ND	0.0762	0.0784	95.7	99.0	1	10.0-153			2.85	33
Fluorene	0.0796	ND	0.0722	0.0741	90.7	93.6	1	11.0-130			2.60	29
Indeno(1,2,3-cd)pyrene	0.0796	ND	0.0714	0.0742	89.7	93.7	1	10.0-137			3.85	32
Naphthalene	0.0796	ND	0.0613	0.0648	77.0	81.8	1	10.0-135			5.55	27
Phenanthrene	0.0796	ND	0.0729	0.0747	91.6	94.3	1	10.0-144			2.44	31
Pyrene	0.0796	ND	0.0682	0.0705	85.7	89.0	1	10.0-148			3.32	35
1-Methylnaphthalene	0.0796	ND	0.0657	0.0722	82.5	91.2	1	10.0-142			9.43	28
2-Methylnaphthalene	0.0796	ND	0.0634	0.0669	79.6	84.5	1	10.0-137			5.37	28
(S) p-Terphenyl-d14					74.3	71.3		23.0-120				
(S) Nitrobenzene-d5					77.6	73.6		14.0-149				
(S) 2-Fluorobiphenyl					79.2	75.8		34.0-125				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDA	Minimum Detectable Activity.
MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RER	Replicate Error Ratio.
TPU	Total Propagated Uncertainty reported at 2 sigma (counting error plus all measurable variables).
Lc	Decision Level or Critical Level. DOE required Detection limit at a 68% confidence level.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
C7	The initial calibration verification standard (SSCV) associated with this data responded high.



GLOSSARY OF TERMS

Qualifier	Description	
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).	¹ Cp
J	The identification of the analyte is acceptable; the reported value is an estimate.	² Tc
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.	³ Ss
J4	The associated batch QC was outside the established quality control range for accuracy.	
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.	⁴ Cn
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.	
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.	⁵ Ds
U	Below Detectable Limits: Indicates that the analyte was not detected.	⁶ Sr
V	The sample concentration is too high to evaluate accurate spike recoveries.	⁷ Qc
		⁸ Gl
		⁹ Al
		¹⁰ Sc

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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



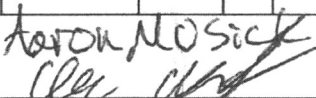
Pace® Location Requested (City/State): Pace National, 12065 Lebanon Road, Mt. Juliet, TN 37122		CHAIN-OF-CUSTODY Analytical Request Document Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields		LAB USE ONLY - Affix Workorder/Login Label Here  Scan QR Code for instructions																																																																																																		
Company Name: CTEH, LLC Street Address: 5120 North Shore Drive, North Little Rock, AR 72118		Contact/Report To: Chevron-Bishop, Kyle Lawrence, Tami McMullin, Andy Henault, Eric Catlin, Madeilyn Klinkerman Phone #: E-Mail: chevron_bishop@cteh.com; kylelawrence@cteh.com; tmcnullin@cteh.com; ahenault@cteh.com Cc E-Mail: ecatin@cteh.com; mlinkerman@cteh.com																																																																																																				
Customer Project #: PROJ-054017		Invoice to: CTEH Invoice E-mail: ctehap@montrose-env.com Purchase Order # (if applicable): Quote #:																																																																																																				
Project Name: Bishop LOC Site Collection Info/Facility ID (as applicable): Galetton, CO		Time Zone Collected: [] AK [] PT [X] MT [] CT [] ET County / State origin of sample(s): CO		Specify Container Size** <table border="1" style="width:100%; text-align: center;"> <tr> <td>8oz</td><td>8oz</td><td>8oz</td><td>8oz</td><td>8oz</td><td>8oz</td><td>10</td><td>6</td><td></td><td></td> </tr> <tr> <td>1</td><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td><td>4</td><td></td><td></td> </tr> </table>		8oz	8oz	8oz	8oz	8oz	8oz	10	6			1	1	1	1	1	1	1	4																																																																															
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1	1	1	1	1	1	1	4																																																																																															
Data Deliverables: [X] Level II [] Level III [] Level IV [] EQUIS [] Other		Regulatory Program (DW, RCRA, etc.) as applicable: Rush (Pre-approval required): [] Same Day [] 1 Day [] 2 Day [] 3 Day [X] Other 5 Day Date Results Requested:		Reportable [] Yes [] No 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 (SD), Sludge (SL), Cask (C), Leachate (L), Biosolid (BS), Other (OT)																																																																																																						
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Relinquished by/Company: (Signature) <i>CTEH</i>		Date/Time: 06-13-2025 1800		Received by/Company: (Signature) <i>Pace</i>																																																																																																		
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Page: 1		of 5		GACO0613T137-1CRS																																																																																																		

 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		Contact/Report To: Chevron-Bishop, Kyle Lawrence, Tami McMullen, Andy Henault, Eric Catin, Madelyn Klinkerman Phone #: E-Mail: chevron_bishop@cteh.com, kyrelawrence@cteh.com, tmmcmullen@cteh.com, ahenault@cteh.com Cc E-Mail: ecatin@cteh.com, mklinkerman@cteh.com						
Customer Project #: PROJ-054017		Invoice to: CTEH						
Project Name: Bishop LOC		Invoice E-mail: ctehap@montrose-env.com						
Site Collection Info/Facility ID (as applicable): Galeton, CO		Purchase Order # (if applicable): Quote #:						
Time Zone Collected: [] AK [] PT [X] MT [] CT [] ET		County / State origin of sample(s): CO						
Data Deliverables: [X] Level II [] Level III [] Level IV [] EQUIS [] Other		Regulatory Program (DW, RCRA, etc.) as applicable: Rush (Pre-approval required): [] Same Day [] 1 Day [] 2 Day [] 3 Day [X] Other 5 Day Date Results Requested: Reportable [] Yes [] No DW PWSID # or WW Permit # as applicable: Field Filtered (if applicable): [] Yes [] No Analysis:						
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GAC00613T137-1CRS004	SS	G	- -	6/13/2025 0915	5	- -	X X X X X X X X - -	Sample Comment L1869905-06 / 28 07 / 29 08 / 30 09 / 31 10
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GAC00613T137-1CRS006	SS	G	- -	6/13/2025 0925	5	- -	X X X X X X X X - -	
GAC00613T137-1CRS015	SS	G	- -	6/13/2025 0910	5	- -	X X X X X X X X - -	
GAC00613T137-1CRT002	OT	-	- -	6/13/2025 0700	2	- -	- - - - - - X -	
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Relinquished by/Company: (Signature) GAE [Signature]	Date/Time: 06-13-2025 1800	Relinquished by/Company: (Signature) Pace	Date/Time: 06-13-2025 1800	Relinquished by/Company: (Signature) Pace	Date/Time: 06-14-25 1515	Tracking Number:		
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Relinquished by/Company: (Signature)	Date/Time:	Relinquished by/Company: (Signature)	Date/Time:	Relinquished by/Company: (Signature)	Date/Time:	Page: 2 of 5		

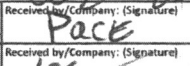
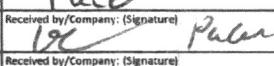
GAC00613T137-1CRS

 Pace® Location Requested (City/State): CHAIN-OF-CUSTODY Analytical Request Document Pace National, 12065 Lebanon Road, Mt. Juliet, TN 37122 Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields		LAB USE ONLY - Affix Workorder/Login Label Here  Scan QR Code for instructions L1869905																																																	
Company Name: CTEH, LLC Street Address: 5120 North Shore Drive, North Little Rock, AR 72118 Customer Project #: PROJ-054017		Contact/Report To: Chevron-Bishop, Kyle Lawrence, Tam McMullin, Andy Henault, Eric Catlin, Madelyn Klinkerman Phone #: E-Mail: chevron_bishop@cteh.com; kylelawrence@cteh.com; tmc-mullin@cteh.com; ahenault@cteh.com Cc E-Mail: ecatin@cteh.com; mklinkerman@cteh.com Invoice to: CTEH Invoice E-mail: ctehap@montrose-env.com Purchase Order # (if applicable): Quote #:																																																	
Project Name: Bishop LOC Site Collection Info/Facility ID (as applicable): Galetton, CO Time Zone Collected: [] AK [] PT [X] MT [] CT [] ET Data Deliverables: [X] Level II [] Level III [] Level IV [] EQUIS [] Other Regulatory Program (DW, HCR, etc.) as applicable: [] Same Day [] 1 Day [] 2 Day [] 3 Day [X] Other 5 Day Date Results Requested: Reportable [] Yes [] No DW PWSID # or W/W Permit # as applicable: Field Filtered (if applicable): [] Yes [] No Analysis:		Specify Container Size** <table><tr><td>Bot</td><td>Bot</td><td>Bot</td><td>Bot</td><td>Bot</td><td>Bot</td><td>Bot</td><td>Bot</td><td>Bot</td><td>Bot</td></tr><tr><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td><td>4</td><td></td></tr></table> Identify Container Preservative Type*** <table><tr><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td><td>4</td><td></td></tr></table> Analysis Requested <table><tr><td>VOCs 8260D; TPH-GRO/DRO/ORO 8015D</td><td>SVOCs 8270E; PAH 8270E SIM</td><td>Metals 6010D, 6020B, Cr6 7199</td><td>Total N/TKN/NH4-N/NO3 EPA 350.1, 351.2, 9056A, SM 4500 Norg</td><td>TOC Walkley Black; pH 9045D/Sat. Paste; EC 9050A Mod</td><td>SAR USDA 20B; Hot Water Soluble Boron</td><td>Radionuclides (U, Ra 226, RA 228) 901.1 - Bag</td><td>VOCs 8260D</td><td>MS/MSD</td></tr></table> Lab Use Only <table><tr><td>Proj. Mgr: 546-Jared Starkey</td><td>AcctNum / Client ID: CTEH</td><td>Table #: P1156679</td></tr><tr><td colspan="3">Profile / Template: T275920</td></tr><tr><td colspan="3">Preslog / Bottle Ord. ID: P1156679</td></tr></table> Sample Comment Volume for MS/MSD -11/38 12/33 13/34 JW 6.1.125		Bot	Bot	Bot	Bot	Bot	Bot	Bot	Bot	Bot	Bot	1	1	1	1	1	1	1	1	4		1	1	1	1	1	1	1	1	4		VOCs 8260D; TPH-GRO/DRO/ORO 8015D	SVOCs 8270E; PAH 8270E SIM	Metals 6010D, 6020B, Cr6 7199	Total N/TKN/NH4-N/NO3 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	Proj. Mgr: 546-Jared Starkey	AcctNum / Client ID: CTEH	Table #: P1156679	Profile / Template: T275920			Preslog / Bottle Ord. ID: P1156679		
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Collected By: Printed Name: Aaron MOSICK
Signature: 

Customer Remarks / Special Conditions / Possible Hazards:
#Cookers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C): [] On Ice

Relinquished by/Company: (Signature) 	Date/Time: 06-13-2023 1800	Received by/Company: (Signature) 	Date/Time: 06-13-2023 1800	Tracking Number:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature) 	Date/Time: 6-14-23 1515	Delivered by: [] In-Person [] Courier [] FedEx [] UPS [] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 3 of 5

GAC00613T137-1CRS

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Effective Date:

Multiple Parcel Form

L# L1 869905

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Name

Date _____