

July 17, 2025



Pace Analytical Services, LLC
2025.07.17 22:24:44 -05'00'
Document is certified

CTEH - ER

Sample Delivery Group: L1871632
Samples Received: 06/20/2025
Project Number: PROJ-054017
Description: Bishop Loss of Containment Incident

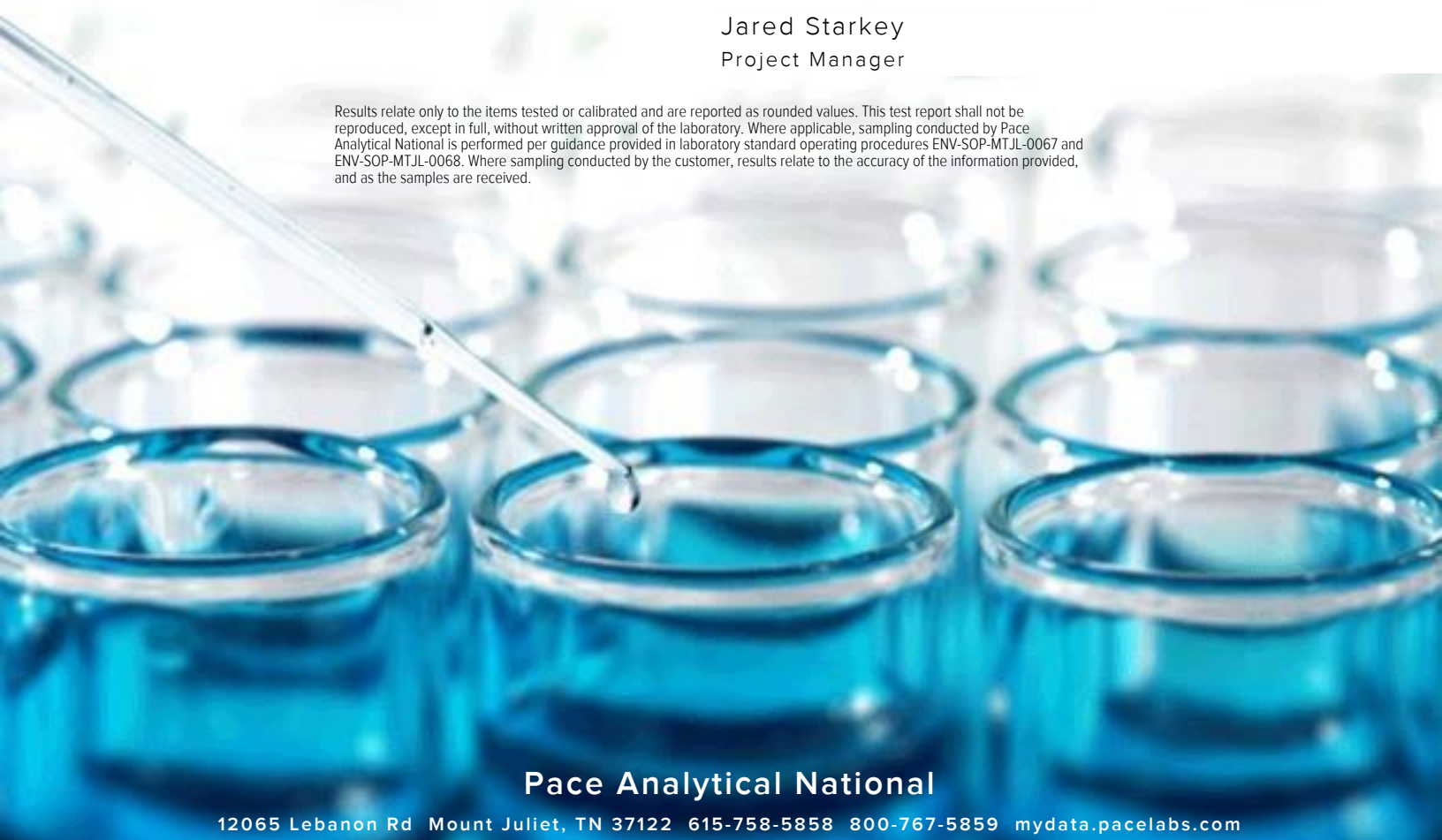
Report To: CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:



Jared Starkey
Project Manager

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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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SAMPLE SUMMARY

GACO0619T175-1CRS001 L1871632-01

Collected by
Romeo Flores

Collected date/time
06/19/25 10:05

Received date/time
06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2546134	1	06/26/25 15:04	06/26/25 15:04	MAP	Mt. Juliet, TN
Calculated Results	WG2544103	1	06/22/25 13:29	06/27/25 18:14	CAT	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2543246	1	06/20/25 15:26	06/20/25 15:38	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2544515	1	06/23/25 22:58	06/26/25 16:55	JDW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2548019	5	06/27/25 06:50	06/27/25 18:14	CAT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2544394	1	06/23/25 19:24	06/27/25 18:07	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2547109	1	06/26/25 07:28	06/26/25 08:40	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2547126	1	06/26/25 07:29	06/26/25 14:45	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2544103	1	06/22/25 13:29	06/23/25 04:34	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2546217	10	06/25/25 08:58	06/26/25 23:41	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2544343	1	06/22/25 18:24	06/23/25 12:36	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2546152	1	06/25/25 14:42	06/26/25 17:41	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2544352	5	06/22/25 19:06	06/23/25 18:16	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2543488	25	06/20/25 16:25	06/21/25 17:07	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2543788	1	06/20/25 16:25	06/21/25 15:40	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2547467	5	06/30/25 08:28	06/30/25 22:47	NH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2546484	1	06/28/25 11:34	06/29/25 01:49	LS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2547471	1	06/27/25 12:39	06/28/25 18:10	VDR	Mt. Juliet, TN



GACO0619T175-1CRS002 L1871632-02

Collected by
Romeo Flores

Collected date/time
06/19/25 10:05

Received date/time
06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2546682	1	06/29/25 01:51	06/29/25 01:51	MAP	Mt. Juliet, TN
Calculated Results	WG2544103	1	06/22/25 13:29	06/27/25 18:16	CAT	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2543246	1	06/20/25 15:26	06/20/25 15:38	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2544515	1	06/23/25 22:58	06/26/25 16:57	JDW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2548019	5	06/27/25 06:50	06/27/25 18:16	CAT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2544394	1	06/23/25 19:24	06/27/25 18:16	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2548066	1	06/27/25 07:46	06/27/25 12:18	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2548069	1	06/27/25 07:49	06/30/25 09:58	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2544103	1	06/22/25 13:29	06/23/25 04:47	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2546217	11	06/25/25 08:58	06/26/25 23:41	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2544343	1	06/22/25 18:24	06/23/25 12:37	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2546152	1	06/25/25 14:42	06/26/25 17:44	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2544352	5	06/22/25 19:06	06/23/25 18:19	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2543488	25	06/20/25 16:25	06/21/25 17:31	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2543788	1	06/20/25 16:25	06/21/25 16:01	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2547467	5	06/30/25 08:28	06/30/25 21:57	NH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2546484	1	06/28/25 11:34	06/29/25 01:26	LS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2547471	1	06/27/25 12:39	06/28/25 18:59	VDR	Mt. Juliet, TN

GACO0619T175-1CRS003 L1871632-03

Collected by
Romeo Flores

Collected date/time
06/19/25 10:07

Received date/time
06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2560584	1	07/17/25 11:11	07/17/25 11:11	MAP	Mt. Juliet, TN
Calculated Results	WG2544103	1	06/22/25 13:29	06/27/25 18:18	CAT	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2543246	1	06/20/25 15:26	06/20/25 15:38	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2544515	1	06/23/25 22:58	06/26/25 17:02	JDW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2548019	5	06/27/25 06:50	06/27/25 18:18	CAT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2544394	1	06/23/25 19:24	06/27/25 18:25	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2547109	1	06/26/25 07:28	06/26/25 08:40	ARD	Mt. Juliet, TN

SAMPLE SUMMARY

GACO0619T175-1CRS003 L1871632-03

Collected by
Romeo Flores

Collected date/time
06/19/25 10:07

Received date/time
06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9050AMod (S-1.20)	WG2547126	1	06/26/25 07:29	06/26/25 14:45	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2544103	1	06/22/25 13:29	06/23/25 05:01	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2546217	18	06/25/25 08:58	06/26/25 23:41	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2544343	1	06/22/25 18:24	06/23/25 12:39	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2546205	1	06/26/25 10:45	06/26/25 14:36	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2544352	5	06/22/25 19:06	06/23/25 18:22	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2543488	25	06/20/25 16:25	06/21/25 17:54	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2543788	1	06/20/25 16:25	06/21/25 16:21	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2547467	5	06/30/25 08:28	06/30/25 23:12	NH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2546484	2	06/28/25 11:34	06/29/25 02:33	LS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2547471	1	06/27/25 12:39	06/28/25 15:51	VDR	Mt. Juliet, TN



GACO0619T175-1CRS004 L1871632-04

Collected by
Romeo Flores

Collected date/time
06/19/25 10:15

Received date/time
06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2546134	1	06/26/25 15:05	06/26/25 15:05	MAP	Mt. Juliet, TN
Calculated Results	WG2544103	1	06/22/25 13:29	06/27/25 18:20	CAT	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2543246	1	06/20/25 15:26	06/20/25 15:38	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2544515	1	06/23/25 22:58	06/26/25 17:04	JDW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2548019	5	06/27/25 06:50	06/27/25 18:20	CAT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2544394	1	06/23/25 19:24	06/27/25 18:34	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2547109	1	06/26/25 07:28	06/26/25 08:40	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2547126	1	06/26/25 07:29	06/26/25 14:45	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2544103	1	06/22/25 13:29	06/23/25 05:14	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2546217	4	06/25/25 08:58	06/26/25 23:41	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2544343	1	06/22/25 18:24	06/23/25 12:44	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2546152	1	06/25/25 14:42	06/26/25 17:47	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2544352	5	06/22/25 19:06	06/23/25 18:32	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2543488	25	06/20/25 16:25	06/21/25 18:18	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2543788	1	06/20/25 16:25	06/21/25 16:41	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2547467	1	06/30/25 08:28	06/30/25 20:54	NH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2546484	1	06/28/25 11:34	06/29/25 01:04	LS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2547471	1	06/27/25 12:39	06/28/25 16:08	VDR	Mt. Juliet, TN

GACO0619T175-1CRT001 L1871632-05

Collected by
Romeo Flores

Collected date/time
06/19/25 07:00

Received date/time
06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2543520	1	06/21/25 09:36	06/21/25 09:36	DWR	Mt. Juliet, TN

GACO0619T175-1CRS005 L1871632-06

Collected by
Romeo Flores

Collected date/time
06/19/25 10:15

Received date/time
06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2546134	1	06/26/25 15:07	06/26/25 15:07	MAP	Mt. Juliet, TN
Calculated Results	WG2544103	1	06/22/25 13:29	06/27/25 18:52	CAT	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2543246	1	06/20/25 15:26	06/20/25 15:38	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2547032	1	06/26/25 13:23	06/26/25 17:25	JDW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2548019	5	06/27/25 06:50	06/27/25 18:52	CAT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2544394	1	06/23/25 19:24	06/27/25 18:43	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2547109	1	06/26/25 07:28	06/26/25 08:40	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2547126	1	06/26/25 07:29	06/26/25 14:45	ARD	Mt. Juliet, TN

SAMPLE SUMMARY

GACO0619T175-1CRS005 L1871632-06

Collected by
Romeo Flores

Collected date/time
06/19/25 10:15

Received date/time
06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2544103	1.03	06/22/25 13:29	06/23/25 05:28	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2546217	5	06/25/25 08:58	06/26/25 23:41	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2544343	1	06/22/25 18:24	06/23/25 12:27	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2546152	1	06/25/25 14:42	06/26/25 17:50	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2544352	5	06/22/25 19:06	06/23/25 18:00	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2543488	25	06/20/25 16:25	06/21/25 18:41	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2543788	1	06/20/25 16:25	06/21/25 17:02	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2547467	1	06/30/25 08:28	06/30/25 20:29	NH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2547441	1	06/28/25 08:53	06/29/25 12:48	LS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2547471	1	06/27/25 12:39	06/28/25 17:18	VDR	Mt. Juliet, TN



GACO0619T175-1CRS006 L1871632-07

Collected by
Romeo Flores

Collected date/time
06/19/25 10:15

Received date/time
06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2546134	1	06/26/25 15:09	06/26/25 15:09	MAP	Mt. Juliet, TN
Calculated Results	WG2544103	1	06/22/25 13:29	06/27/25 18:31	CAT	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2543290	1	06/20/25 16:36	06/20/25 16:48	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2544515	1	06/23/25 22:58	06/26/25 17:06	JDW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2548019	5	06/27/25 06:50	06/27/25 18:31	CAT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2544395	1	06/23/25 17:03	06/24/25 01:48	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2547109	1	06/26/25 07:28	06/26/25 08:40	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2547126	1	06/26/25 07:29	06/26/25 14:45	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2544103	1	06/22/25 13:29	06/23/25 06:08	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2546217	5	06/25/25 08:58	06/26/25 23:43	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2544343	1	06/22/25 18:24	06/23/25 12:46	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2546152	1	06/25/25 14:42	06/26/25 17:53	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2544352	5	06/22/25 19:06	06/23/25 18:35	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2543488	25	06/20/25 16:25	06/21/25 19:05	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2543788	1	06/20/25 16:25	06/21/25 17:22	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2547467	1	06/30/25 08:28	06/30/25 20:04	NH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2546486	1	06/28/25 10:57	06/28/25 21:16	LS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2547471	1	06/27/25 12:39	06/28/25 17:30	VDR	Mt. Juliet, TN

GACO0619T175-1CRT002 L1871632-08

Collected by
Romeo Flores

Collected date/time
06/19/25 07:00

Received date/time
06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2543520	1	06/21/25 09:59	06/21/25 09:59	DWR	Mt. Juliet, TN

GACO0619T175-1CRS007 L1871632-09

Collected by
Romeo Flores

Collected date/time
06/19/25 10:15

Received date/time
06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2547901	1	06/29/25 01:53	06/29/25 01:53	MAP	Mt. Juliet, TN
Calculated Results	WG2544103	1	06/22/25 13:29	06/27/25 21:47	JDW	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2543290	1	06/20/25 16:36	06/20/25 16:48	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2544515	1	06/23/25 22:58	06/26/25 17:08	JDW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2548019	10	06/27/25 06:50	06/27/25 21:47	JDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2544395	1	06/23/25 17:03	06/24/25 22:38	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2549298	1	06/29/25 11:51	06/30/25 08:40	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2549302	1	06/29/25 11:53	07/01/25 16:12	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2544103	1	06/22/25 13:29	06/23/25 06:22	ZSA	Mt. Juliet, TN

ACCOUNT:
CTEH - ER

PROJECT:
PROJ-054017

SDG:
L1871632

DATE/TIME:
07/17/25 16:24

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SAMPLE SUMMARY

GACO0619T175-1CRS007 L1871632-09

Collected by
Romeo Flores

Collected date/time
06/19/25 10:15

Received date/time
06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method WALKLEY-BLACK	WG2546217	24	06/25/25 08:58	06/26/25 23:44	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2544343	1	06/22/25 18:24	06/23/25 12:47	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2546152	1	06/25/25 14:42	06/26/25 17:56	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2544352	5	06/22/25 19:06	06/23/25 18:38	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2543488	25	06/20/25 16:25	06/21/25 19:28	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2543788	1	06/20/25 16:25	06/21/25 17:42	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2547467	5	06/30/25 08:28	06/30/25 21:57	NH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2546486	2	06/28/25 10:57	06/29/25 00:48	LS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2547471	1	06/27/25 12:39	06/28/25 16:43	VDR	Mt. Juliet, TN

GACO0619T175-1CRC007 L1871632-10

Collected by
Romeo Flores

Collected date/time
06/19/25 10:15

Received date/time
06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2546134	1	06/26/25 15:11	06/26/25 15:11	MAP	Mt. Juliet, TN
Calculated Results	WG2544103	1	06/22/25 13:29	06/27/25 18:35	CAT	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2543290	1	06/20/25 16:36	06/20/25 16:48	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2544515	1	06/23/25 22:58	06/26/25 17:10	JDW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2548019	5	06/27/25 06:50	06/27/25 18:35	CAT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2544395	1	06/23/25 17:03	06/24/25 03:00	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2547109	1	06/26/25 07:28	06/26/25 08:40	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2547126	1	06/26/25 07:29	06/26/25 14:45	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2544103	1.01	06/22/25 13:29	06/23/25 06:35	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2546217	19	06/25/25 08:58	06/26/25 23:44	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2544343	1	06/22/25 18:24	06/23/25 12:49	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2546152	1	06/25/25 14:42	06/26/25 18:05	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2544352	5	06/22/25 19:06	06/23/25 18:41	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2543488	25	06/20/25 16:25	06/21/25 19:51	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2543788	1	06/20/25 16:25	06/21/25 18:02	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2547467	5	06/30/25 08:28	06/30/25 23:12	NH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2546486	2	06/28/25 10:57	06/29/25 01:09	LS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2547471	1	06/27/25 12:39	06/28/25 17:01	VDR	Mt. Juliet, TN

GACO0619T175-1CRS008 L1871632-11

Collected by
Romeo Flores

Collected date/time
06/19/25 10:30

Received date/time
06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2546134	1	06/26/25 15:12	06/26/25 15:12	MAP	Mt. Juliet, TN
Calculated Results	WG2544103	1	06/22/25 13:29	06/27/25 18:37	CAT	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2543290	1	06/20/25 16:36	06/20/25 16:48	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2544515	1	06/23/25 22:58	06/26/25 17:12	JDW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2548019	5	06/27/25 06:50	06/27/25 18:37	CAT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2544395	1	06/23/25 17:03	06/24/25 03:18	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2547109	1	06/26/25 07:28	06/26/25 08:40	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2547126	1	06/26/25 07:29	06/26/25 14:45	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2544103	1	06/22/25 13:29	06/23/25 06:49	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2546217	5	06/25/25 08:58	06/26/25 23:44	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2544343	1	06/22/25 18:24	06/23/25 12:51	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2546205	1	06/26/25 10:45	06/26/25 12:52	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2544352	5	06/22/25 19:06	06/23/25 18:44	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2543488	25	06/20/25 16:25	06/21/25 20:15	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2543788	1	06/20/25 16:25	06/21/25 18:23	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2547467	1	06/30/25 08:28	06/30/25 18:15	NH	Mt. Juliet, TN



SAMPLE SUMMARY

GACO0619T175-1CRS008 L1871632-11

Collected by
Romeo Flores

Collected date/time
06/19/25 10:30

Received date/time
06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2546486	1	06/28/25 10:57	06/28/25 19:30	LS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2549212	1	06/30/25 09:05	06/30/25 18:33	KB	Mt. Juliet, TN



GACO0619T175-1CRS009 L1871632-12

Collected by
Romeo Flores

Collected date/time
06/19/25 10:45

Received date/time
06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2560584	1	07/17/25 11:13	07/17/25 11:13	MAP	Mt. Juliet, TN
Calculated Results	WG2544103	1	06/22/25 13:29	06/27/25 18:39	CAT	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2543290	1	06/20/25 16:36	06/20/25 16:48	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2544515	1	06/23/25 22:58	06/26/25 17:14	JDW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2548019	5	06/27/25 06:50	06/27/25 18:39	CAT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2544395	1	06/23/25 17:03	06/24/25 03:27	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2547109	1	06/26/25 07:28	06/26/25 08:40	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2547126	1	06/26/25 07:29	06/26/25 14:45	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2544103	1.04	06/22/25 13:29	06/23/25 07:02	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2546263	8	06/25/25 13:19	06/27/25 10:36	DLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2544343	1	06/22/25 18:24	06/23/25 12:53	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2546152	1	06/25/25 14:42	06/26/25 18:08	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2544352	5	06/22/25 19:06	06/23/25 18:47	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2543488	25	06/20/25 16:25	06/21/25 20:38	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2543788	1	06/20/25 16:25	06/21/25 18:43	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2547467	1	06/30/25 08:28	06/30/25 21:19	NH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2546486	1	06/28/25 10:57	06/28/25 20:55	LS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2547471	1	06/27/25 12:39	06/28/25 16:26	VDR	Mt. Juliet, TN

GACO0619T175-1CRT003 L1871632-13

Collected by
Romeo Flores

Collected date/time
06/19/25 07:00

Received date/time
06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2543520	1	06/21/25 10:21	06/21/25 10:21	DWR	Mt. Juliet, TN

GACO0619T175-1CRS001 L1871632-14

Collected by
Romeo Flores

Collected date/time
06/19/25 10:05

Received date/time
06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2544955	1	06/20/25 20:30	06/23/25 18:52	ZRG	Mt. Juliet, TN

GACO0619T175-1CRS002 L1871632-15

Collected by
Romeo Flores

Collected date/time
06/19/25 10:05

Received date/time
06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2544955	1	06/20/25 20:30	06/23/25 18:52	ZRG	Mt. Juliet, TN

GACO0619T175-1CRS003 L1871632-16

Collected by
Romeo Flores

Collected date/time
06/19/25 10:07

Received date/time
06/20/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2544955	1	06/20/25 20:30	06/23/25 18:53	ZRG	Mt. Juliet, TN

SAMPLE SUMMARY

GACO0619T175-1CRS004 L1871632-17

				Collected by Romeo Flores	Collected date/time 06/19/25 10:15	Received date/time 06/20/25 10:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2545209	1	06/20/25 21:03	06/24/25 09:12	ZRG	Mt. Juliet, TN

GACO0619T175-1CRS005 L1871632-18

				Collected by Romeo Flores	Collected date/time 06/19/25 10:15	Received date/time 06/20/25 10:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2545209	1	06/20/25 21:03	06/24/25 09:14	ZRG	Mt. Juliet, TN

GACO0619T175-1CRS006 L1871632-19

				Collected by Romeo Flores	Collected date/time 06/19/25 10:15	Received date/time 06/20/25 10:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2545209	1	06/20/25 21:03	06/24/25 09:44	ZRG	Mt. Juliet, TN

GACO0619T175-1CRS007 L1871632-20

				Collected by Romeo Flores	Collected date/time 06/19/25 10:15	Received date/time 06/20/25 10:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2545209	1	06/20/25 21:03	06/24/25 09:44	ZRG	Mt. Juliet, TN

GACO0619T175-1CRC007 L1871632-21

				Collected by Romeo Flores	Collected date/time 06/19/25 10:15	Received date/time 06/20/25 10:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2545209	1	06/20/25 21:03	06/24/25 10:11	ZRG	Mt. Juliet, TN

GACO0619T175-1CRS008 L1871632-22

				Collected by Romeo Flores	Collected date/time 06/19/25 10:30	Received date/time 06/20/25 10:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2545209	1	06/20/25 21:03	06/24/25 10:12	ZRG	Mt. Juliet, TN

GACO0619T175-1CRS009 L1871632-23

				Collected by Romeo Flores	Collected date/time 06/19/25 10:45	Received date/time 06/20/25 10:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2545209	1	06/20/25 21:03	06/24/25 10:13	ZRG	Mt. Juliet, TN



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

WG2546484/WG2547441 - Benzidine(0%) is reporting with critically low recovery in the laboratory control sample(s). This compound is a method defined poor performer. Results are estimated.

Wet Chemistry by Method 350.1

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

Batch	Lab Sample ID	Analytes
WG2547032	(LCS) R4236876-2, L1871632-06	Ammonia Nitrogen

Wet Chemistry by Method 4500NOrg D-2021

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

Batch	Lab Sample ID	Analytes
WG2548019	(MS) R4237503-7	Kjeldahl Nitrogen, TKN
WG2548019	(MSD) R4237503-8	Kjeldahl Nitrogen, TKN

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

Batch	Lab Sample ID	Analytes
WG2548019	(MS) R4237503-3, (MS) R4237503-7, (MSD) R4237503-4, (MSD) R4237503-8	Kjeldahl Nitrogen, TKN

Wet Chemistry by Method 7199

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

Batch	Lab Sample ID	Analytes
WG2544394	(MS) R4237771-12, (MS) R4237771-4, (MS) R4237771-6, (MSD) R4237771-5, L1871632-06	Hexavalent Chromium
WG2544395	(MS) R4235774-5, (MS) R4235783-1, (MSD) R4235783-2, L1871632-09	Hexavalent Chromium

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

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



CASE NARRATIVE

Metals (ICP) by Method 6010D

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

Batch	Lab Sample ID	Analytes
WG2544343	(MS) R4234693-5, (MSD) R4234693-6, L1871632-06	Aluminum, Calcium and Iron

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

Batch	Lab Sample ID	Analytes
WG2544343	(MS) R4234693-5, (MSD) R4234693-6, L1871632-06	Antimony, Magnesium, Manganese and Potassium

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

Batch	Lab Sample ID	Analytes
WG2544343	(MSD) R4234693-6, L1871632-06	Aluminum, Calcium, Iron, Magnesium, Manganese and Potassium

Metals (ICPMS) by Method 6020B

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

Batch	Lab Sample ID	Analytes
WG2544352	(MS) R4234824-5, (MSD) R4234824-6, L1871632-06	Barium and Zinc

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

Batch	Lab Sample ID	Analytes
WG2544352	(MSD) R4234824-6, L1871632-06	Barium

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
WG2544352	L1871632-06	Arsenic

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
WG2543788	L1871632-01	Bromomethane
WG2543788	L1871632-02	Bromomethane
WG2543788	L1871632-03	Bromomethane
WG2543788	L1871632-04	Bromomethane
WG2543788	L1871632-06	Bromomethane
WG2543788	L1871632-07	Bromomethane
WG2543788	L1871632-09	Bromomethane
WG2543788	L1871632-10	Bromomethane
WG2543788	L1871632-11	Bromomethane
WG2543788	L1871632-12	Bromomethane

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

Batch	Lab Sample ID	Analytes
WG2543520	(LCSD) R4234034-2, L1871632-05, 08, 13	Dichlorodifluoromethane



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
WG2546484	L1871632-01	Hexachlorocyclopentadiene
WG2546484	L1871632-02	Hexachlorocyclopentadiene
WG2546484	L1871632-03	Hexachlorocyclopentadiene
WG2546484	L1871632-04	Hexachlorocyclopentadiene
WG2546486	L1871632-07	Bis(2-chloroethyl)ether
WG2546486	L1871632-09	Bis(2-chloroethyl)ether
WG2546486	L1871632-10	Bis(2-chloroethyl)ether
WG2546486	L1871632-11	Bis(2-chloroethyl)ether
WG2546486	L1871632-12	Bis(2-chloroethyl)ether
WG2547441	L1871632-06	Bis(2-chloroethyl)ether

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
WG2546486	L1871632-07	Hexachlorobenzene and Hexachlorocyclopentadiene
WG2546486	L1871632-09	Hexachlorobenzene and Hexachlorocyclopentadiene
WG2546486	L1871632-10	Hexachlorobenzene and Hexachlorocyclopentadiene
WG2546486	L1871632-11	Hexachlorobenzene and Hexachlorocyclopentadiene
WG2546486	L1871632-12	Hexachlorobenzene and Hexachlorocyclopentadiene
WG2547441	L1871632-06	Hexachlorobenzene and Hexachlorocyclopentadiene

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

Batch	Lab Sample ID	Analytes
WG2546484	(LCS) R4237950-1, L1871632-01, 02, 03, 04	Benzidine
WG2546486	(LCS) R4237959-1, L1871632-07, 09, 10, 11, 12	Benzidine
WG2547441	(LCS) R4237967-1, L1871632-06	Benzidine

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

Batch	Lab Sample ID	Analytes
WG2546484	(MS) R4237950-3, (MSD) R4237950-4	Benzidine
WG2546486	(MS) R4237959-3, (MSD) R4237959-4	Benzidine and Hexachlorocyclopentadiene
WG2547441	(MS) R4237967-3, (MS) R4237967-5, (MSD) R4237967-4, (MSD) R4237967-6, L1871632-06	Benzidine and Hexachlorocyclopentadiene

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

Batch	Lab Sample ID	Analytes
WG2547441	(MSD) R4237967-4, L1871632-06	Hexachlorocyclopentadiene and Phenol

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
WG2549212	p-Terphenyl-d14	(BLANK) R4238616-2, (LCS) R4238616-1, (MS) R4238616-3, (MS) R4238616-5, (MSD) R4238616-4, (MSD) R4238616-6, L1871632-11



DETECTION SUMMARY

Calculated Results

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0619T175-1CRSO 01	L1871632-01	Total Nitrogen	4220		27.6	1	06/27/2025 18:14	WG2544103
GACO0619T175-1CRSO 02	L1871632-02	Total Nitrogen	2250		22.5	1	06/27/2025 18:16	WG2544103
GACO0619T175-1CRSO 03	L1871632-03	Total Nitrogen	3720		26.1	1	06/27/2025 18:18	WG2544103
GACO0619T175-1CRSO 04	L1871632-04	Total Nitrogen	3580		26.9	1	06/27/2025 18:20	WG2544103
GACO0619T175-1CRSO 05	L1871632-06	Total Nitrogen	1460		23.8	1	06/27/2025 18:52	WG2544103
GACO0619T175-1CRSO 06	L1871632-07	Total Nitrogen	1960		25.6	1	06/27/2025 18:31	WG2544103
GACO0619T175-1CRSO 07	L1871632-09	Total Nitrogen	6190		26.3	1	06/27/2025 21:47	WG2544103
GACO0619T175-1CRCO 07	L1871632-10	Total Nitrogen	4300		24.4	1	06/27/2025 18:35	WG2544103
GACO0619T175-1CRSO 08	L1871632-11	Total Nitrogen	984		25.9	1	06/27/2025 18:37	WG2544103
GACO0619T175-1CRSO 09	L1871632-12	Total Nitrogen	2200		25.7	1	06/27/2025 18:39	WG2544103

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
GACO0619T175-1CRSO 01	L1871632-14	Actinium-228 (Ra-228)	1.02		0.262	0.262	0.431	0.191	06/23/2025 18:52	WG254495
GACO0619T175-1CRSO 01	L1871632-14	Bismuth-214 (Ra-226)	0.842		0.192	0.192	0.260	0.118	06/23/2025 18:52	WG254495
GACO0619T175-1CRSO 01	L1871632-14	Lead-214	0.615		0.158	0.158	0.264	0.121	06/23/2025 18:52	WG254495
GACO0619T175-1CRSO 01	L1871632-14	Thorium-234 (U-238)	-1.80	U	1.60	1.60	3.44	1.37	06/23/2025 18:52	WG254495
GACO0619T175-1CRSO 01	L1871632-14	Radium-226 (186 KeV)	2.49		0.949	0.949	1.59	0.745	06/23/2025 18:52	WG254495
GACO0619T175-1CRSO 02	L1871632-15	Actinium-228 (Ra-228)	0.695		0.279	0.279	0.548	0.239	06/23/2025 18:52	WG254495
GACO0619T175-1CRSO 02	L1871632-15	Bismuth-214 (Ra-226)	0.653		0.184	0.184	0.244	0.107	06/23/2025 18:52	WG254495
GACO0619T175-1CRSO 02	L1871632-15	Lead-214	0.667		0.153	0.153	0.246	0.110	06/23/2025 18:52	WG254495
GACO0619T175-1CRSO 02	L1871632-15	Thorium-234 (U-238)	-0.00314	U	1.01	1.01	2.26	0.887	06/23/2025 18:52	WG254495
GACO0619T175-1CRSO 02	L1871632-15	Radium-226 (186 KeV)	0.932	J	0.725	0.725	1.31	0.604	06/23/2025 18:52	WG254495
GACO0619T175-1CRSO 03	L1871632-16	Actinium-228 (Ra-228)	1.29		0.331	0.331	0.581	0.251	06/23/2025 18:53	WG254495
GACO0619T175-1CRSO 03	L1871632-16	Bismuth-214 (Ra-226)	0.940		0.231	0.231	0.283	0.125	06/23/2025 18:53	WG254495
GACO0619T175-1CRSO 03	L1871632-16	Lead-214	0.563		0.334	0.334	0.269	0.121	06/23/2025 18:53	WG254495
GACO0619T175-1CRSO 03	L1871632-16	Thorium-234 (U-238)	0.757	U	0.926	0.926	2.15	0.855	06/23/2025 18:53	WG254495
GACO0619T175-1CRSO 03	L1871632-16	Radium-226 (186 KeV)	1.83		0.851	0.851	1.32	0.611	06/23/2025 18:53	WG254495
GACO0619T175-1CRSO 04	L1871632-17	Actinium-228 (Ra-228)	0.880		0.260	0.260	0.392	0.161	06/24/2025 09:12	WG254520
GACO0619T175-1CRSO 04	L1871632-17	Bismuth-214 (Ra-226)	0.970		0.208	0.208	0.238	0.103	06/24/2025 09:12	WG254520
GACO0619T175-1CRSO 04	L1871632-17	Lead-214	1.08		0.179	0.179	0.212	0.0938	06/24/2025 09:12	WG254520
GACO0619T175-1CRSO 04	L1871632-17	Thorium-234 (U-238)	0.380	U	1.05	1.05	2.36	0.929	06/24/2025 09:12	WG254520
GACO0619T175-1CRSO 04	L1871632-17	Radium-226 (186 KeV)	1.48		0.782	0.782	1.34	0.623	06/24/2025 09:12	WG254520

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
GACO0619T175-1CRS005	L1871632-18	Actinium-228 (Ra-228)	1.37		0.266	0.266	0.396	0.175	06/24/2025 09:14	WG25452019
GACO0619T175-1CRS005	L1871632-18	Bismuth-214 (Ra-226)	1.08		0.176	0.176	0.169	0.0748	06/24/2025 09:14	WG25452019
GACO0619T175-1CRS005	L1871632-18	Lead-214	1.04		0.146	0.146	0.169	0.0772	06/24/2025 09:14	WG25452019
GACO0619T175-1CRS005	L1871632-18	Thorium-234 (U-238)	2.24		0.971	0.971	1.40	0.559	06/24/2025 09:14	WG25452019
GACO0619T175-1CRS005	L1871632-18	Radium-226 (186 KeV)	2.06		0.688	0.688	1.02	0.482	06/24/2025 09:14	WG25452019
GACO0619T175-1CRS006	L1871632-19	Actinium-228 (Ra-228)	1.09		0.294	0.294	0.511	0.222	06/24/2025 09:44	WG25452019
GACO0619T175-1CRS006	L1871632-19	Bismuth-214 (Ra-226)	0.736		0.200	0.200	0.283	0.126	06/24/2025 09:44	WG25452019
GACO0619T175-1CRS006	L1871632-19	Lead-214	1.01		0.197	0.197	0.301	0.138	06/24/2025 09:44	WG25452019
GACO0619T175-1CRS006	L1871632-19	Thorium-234 (U-238)	1.27	U	1.00	1.00	2.28	0.914	06/24/2025 09:44	WG25452019
GACO0619T175-1CRS006	L1871632-19	Radium-226 (186 KeV)	1.34	J	0.895	0.895	1.58	0.743	06/24/2025 09:44	WG25452019
GACO0619T175-1CRS007	L1871632-20	Actinium-228 (Ra-228)	0.958		0.292	0.292	0.541	0.240	06/24/2025 09:44	WG25452019
GACO0619T175-1CRS007	L1871632-20	Bismuth-214 (Ra-226)	0.904		0.205	0.205	0.264	0.118	06/24/2025 09:44	WG25452019
GACO0619T175-1CRS007	L1871632-20	Lead-214	0.912		0.216	0.216	0.283	0.129	06/24/2025 09:44	WG25452019
GACO0619T175-1CRS007	L1871632-20	Thorium-234 (U-238)	0.127	U	1.35	1.35	3.06	1.21	06/24/2025 09:44	WG25452019
GACO0619T175-1CRS007	L1871632-20	Radium-226 (186 KeV)	1.61	J	0.934	0.934	1.65	0.774	06/24/2025 09:44	WG25452019
GACO0619T175-1CRCO07	L1871632-21	Actinium-228 (Ra-228)	0.495	U	0.456	0.456	1.09	0.487	06/24/2025 10:11	WG25452019
GACO0619T175-1CRCO07	L1871632-21	Bismuth-214 (Ra-226)	0.859		0.283	0.283	0.423	0.186	06/24/2025 10:11	WG25452019
GACO0619T175-1CRCO07	L1871632-21	Lead-214	1.06		0.251	0.251	0.367	0.163	06/24/2025 10:11	WG25452019
GACO0619T175-1CRCO07	L1871632-21	Thorium-234 (U-238)	0.535	U	1.96	1.96	4.59	1.82	06/24/2025 10:11	WG25452019
GACO0619T175-1CRCO07	L1871632-21	Radium-226 (186 KeV)	2.41		1.45	1.45	2.39	1.11	06/24/2025 10:11	WG25452019
GACO0619T175-1CRS008	L1871632-22	Actinium-228 (Ra-228)	1.18		0.253	0.253	0.409	0.184	06/24/2025 10:12	WG25452019
GACO0619T175-1CRS008	L1871632-22	Bismuth-214 (Ra-226)	0.871		0.179	0.179	0.249	0.115	06/24/2025 10:12	WG25452019
GACO0619T175-1CRS008	L1871632-22	Lead-214	1.10		0.177	0.177	0.240	0.111	06/24/2025 10:12	WG25452019
GACO0619T175-1CRS008	L1871632-22	Thorium-234 (U-238)	-0.778	U	1.41	1.41	3.05	1.22	06/24/2025 10:12	WG25452019
GACO0619T175-1CRS008	L1871632-22	Radium-226 (186 KeV)	1.44	J	0.853	0.853	1.52	0.720	06/24/2025 10:12	WG25452019
GACO0619T175-1CRS009	L1871632-23	Actinium-228 (Ra-228)	1.03		0.285	0.285	0.425	0.178	06/24/2025 10:13	WG25452019
GACO0619T175-1CRS009	L1871632-23	Bismuth-214 (Ra-226)	1.07		0.211	0.211	0.223	0.0960	06/24/2025 10:13	WG25452019
GACO0619T175-1CRS009	L1871632-23	Lead-214	0.936		0.175	0.175	0.222	0.0985	06/24/2025 10:13	WG25452019
GACO0619T175-1CRS009	L1871632-23	Thorium-234 (U-238)	0.711	U	1.09	1.09	2.32	0.914	06/24/2025 10:13	WG25452019
GACO0619T175-1CRS009	L1871632-23	Radium-226 (186 KeV)	0.969	J	0.776	0.776	1.40	0.653	06/24/2025 10:13	WG25452019

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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
GACO0619T175-1CRSO 01	L1871632-01	Kjeldahl Nitrogen, TKN	4210		138	5	06/27/2025 18:14	WG2548019
GACO0619T175-1CRSO 02	L1871632-02	Kjeldahl Nitrogen, TKN	2230		112	5	06/27/2025 18:16	WG2548019
GACO0619T175-1CRSO 03	L1871632-03	Kjeldahl Nitrogen, TKN	3710		130	5	06/27/2025 18:18	WG2548019
GACO0619T175-1CRSO 04	L1871632-04	Kjeldahl Nitrogen, TKN	3580		134	5	06/27/2025 18:20	WG2548019
GACO0619T175-1CRSO 05	L1871632-06	Kjeldahl Nitrogen, TKN	1460		116	5	06/27/2025 18:52	WG2548019
GACO0619T175-1CRSO 06	L1871632-07	Kjeldahl Nitrogen, TKN	1960		128	5	06/27/2025 18:31	WG2548019
GACO0619T175-1CRSO 07	L1871632-09	Kjeldahl Nitrogen, TKN	6170		263	10	06/27/2025 21:47	WG2548019
GACO0619T175-1CRCO 07	L1871632-10	Kjeldahl Nitrogen, TKN	4290		121	5	06/27/2025 18:35	WG2548019
GACO0619T175-1CRSO 08	L1871632-11	Kjeldahl Nitrogen, TKN	984		129	5	06/27/2025 18:37	WG2548019
GACO0619T175-1CRSO 09	L1871632-12	Kjeldahl Nitrogen, TKN	2200		124	5	06/27/2025 18:39	WG2548019



Wet Chemistry by Method 9050AMod (S-1.20)

Client ID	Lab Sample ID	Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
GACO0619T175-1CRSO 01	L1871632-01	Specific Conductance	1550	umhos/cm		10.0	1	06/26/2025 14:45	WG2547126
GACO0619T175-1CRSO 02	L1871632-02	Specific Conductance	2030	umhos/cm		10.0	1	06/30/2025 09:58	WG2548069
GACO0619T175-1CRSO 03	L1871632-03	Specific Conductance	2470	umhos/cm		10.0	1	06/26/2025 14:45	WG2547126
GACO0619T175-1CRSO 04	L1871632-04	Specific Conductance	2200	umhos/cm		10.0	1	06/26/2025 14:45	WG2547126
GACO0619T175-1CRSO 05	L1871632-06	Specific Conductance	666	umhos/cm		10.0	1	06/26/2025 14:45	WG2547126
GACO0619T175-1CRSO 06	L1871632-07	Specific Conductance	2720	umhos/cm		10.0	1	06/26/2025 14:45	WG2547126
GACO0619T175-1CRSO 07	L1871632-09	Specific Conductance	2700	umhos/cm		10.0	1	07/01/2025 16:12	WG2549302
GACO0619T175-1CRCO 07	L1871632-10	Specific Conductance	3590	umhos/cm		10.0	1	06/26/2025 14:45	WG2547126
GACO0619T175-1CRSO 08	L1871632-11	Specific Conductance	2370	umhos/cm		10.0	1	06/26/2025 14:45	WG2547126
GACO0619T175-1CRSO 09	L1871632-12	Specific Conductance	2140	umhos/cm		10.0	1	06/26/2025 14:45	WG2547126

Wet Chemistry by Method WALKLEY-BLACK

Client ID	Lab Sample ID	Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
GACO0619T175-1CRSO 01	L1871632-01	TOC By Walkley Black	34600		1000	10	06/26/2025 23:41	WG2546217
GACO0619T175-1CRSO 02	L1871632-02	TOC By Walkley Black	39300		1100	11	06/26/2025 23:41	WG2546217
GACO0619T175-1CRSO 03	L1871632-03	TOC By Walkley Black	72300		1800	18	06/26/2025 23:41	WG2546217
GACO0619T175-1CRSO 04	L1871632-04	TOC By Walkley Black	27800		400	4	06/26/2025 23:41	WG2546217
GACO0619T175-1CRSO 05	L1871632-06	TOC By Walkley Black	5380		500	5	06/26/2025 23:41	WG2546217
GACO0619T175-1CRSO 06	L1871632-07	TOC By Walkley Black	37300		500	5	06/26/2025 23:43	WG2546217
GACO0619T175-1CRSO 07	L1871632-09	TOC By Walkley Black	65000		2400	24	06/26/2025 23:44	WG2546217
GACO0619T175-1CRCO 07	L1871632-10	TOC By Walkley Black	76900		1900	19	06/26/2025 23:44	WG2546217

ACCOUNT:
CTEH - ER

PROJECT:
PROJ-054017

SDG:
L1871632

DATE/TIME:
07/17/25 16:24

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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
GACO0619T175-1CRS008	L1871632-11	TOC By Walkley Black	20000		500	5	06/26/2025 23:44	WG2546217
GACO0619T175-1CRS009	L1871632-12	TOC By Walkley Black	16500		800	8	06/27/2025 10:36	WG2546263

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
GACO0619T175-1CRS001	L1871632-01	Aluminum	4260		27.6	1	06/23/2025 12:36	WG2544343
GACO0619T175-1CRS001	L1871632-01	Beryllium	0.464		0.276	1	06/23/2025 12:36	WG2544343
GACO0619T175-1CRS001	L1871632-01	Calcium	9510		138	1	06/23/2025 12:36	WG2544343
GACO0619T175-1CRS001	L1871632-01	Chromium	9.22		1.38	1	06/23/2025 12:36	WG2544343
GACO0619T175-1CRS001	L1871632-01	Cobalt	3.68		1.38	1	06/23/2025 12:36	WG2544343
GACO0619T175-1CRS001	L1871632-01	Iron	7420		13.8	1	06/23/2025 12:36	WG2544343
GACO0619T175-1CRS001	L1871632-01	Magnesium	2960		138	1	06/23/2025 12:36	WG2544343
GACO0619T175-1CRS001	L1871632-01	Manganese	251		1.38	1	06/23/2025 12:36	WG2544343
GACO0619T175-1CRS001	L1871632-01	Potassium	2190		138	1	06/23/2025 12:36	WG2544343
GACO0619T175-1CRS001	L1871632-01	Sodium	1330		138	1	06/23/2025 12:36	WG2544343
GACO0619T175-1CRS001	L1871632-01	Vanadium	12.6		2.76	1	06/23/2025 12:36	WG2544343
GACO0619T175-1CRS002	L1871632-02	Aluminum	4460		22.5	1	06/23/2025 12:37	WG2544343
GACO0619T175-1CRS002	L1871632-02	Beryllium	0.488		0.225	1	06/23/2025 12:37	WG2544343
GACO0619T175-1CRS002	L1871632-02	Calcium	6400		112	1	06/23/2025 12:37	WG2544343
GACO0619T175-1CRS002	L1871632-02	Chromium	6.20		1.12	1	06/23/2025 12:37	WG2544343
GACO0619T175-1CRS002	L1871632-02	Cobalt	3.97		1.12	1	06/23/2025 12:37	WG2544343
GACO0619T175-1CRS002	L1871632-02	Iron	7280		11.2	1	06/23/2025 12:37	WG2544343
GACO0619T175-1CRS002	L1871632-02	Magnesium	2040		112	1	06/23/2025 12:37	WG2544343
GACO0619T175-1CRS002	L1871632-02	Manganese	234		1.12	1	06/23/2025 12:37	WG2544343
GACO0619T175-1CRS002	L1871632-02	Potassium	1680		112	1	06/23/2025 12:37	WG2544343
GACO0619T175-1CRS002	L1871632-02	Sodium	1700		112	1	06/23/2025 12:37	WG2544343
GACO0619T175-1CRS002	L1871632-02	Vanadium	12.8		2.25	1	06/23/2025 12:37	WG2544343



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	
GACO0619T175-1CRSO 03	L1871632-03	Aluminum	6200		26.1	1	06/23/2025 12:39	WG2544343	¹ Cp
GACO0619T175-1CRSO 03	L1871632-03	Beryllium	0.638		0.261	1	06/23/2025 12:39	WG2544343	² Tc
GACO0619T175-1CRSO 03	L1871632-03	Calcium	9420		130	1	06/23/2025 12:39	WG2544343	³ Ss
GACO0619T175-1CRSO 03	L1871632-03	Chromium	9.55		1.30	1	06/23/2025 12:39	WG2544343	⁴ Cn
GACO0619T175-1CRSO 03	L1871632-03	Cobalt	4.96		1.30	1	06/23/2025 12:39	WG2544343	⁵ Ds
GACO0619T175-1CRSO 03	L1871632-03	Iron	8850		13.0	1	06/23/2025 12:39	WG2544343	⁶ Sr
GACO0619T175-1CRSO 03	L1871632-03	Magnesium	3560		130	1	06/23/2025 12:39	WG2544343	⁷ Qc
GACO0619T175-1CRSO 03	L1871632-03	Manganese	315		1.30	1	06/23/2025 12:39	WG2544343	⁸ Gl
GACO0619T175-1CRSO 03	L1871632-03	Potassium	2380		130	1	06/23/2025 12:39	WG2544343	⁹ Al
GACO0619T175-1CRSO 03	L1871632-03	Sodium	2580		130	1	06/23/2025 12:39	WG2544343	¹⁰ Sc
GACO0619T175-1CRSO 03	L1871632-03	Vanadium	17.0		2.61	1	06/23/2025 12:39	WG2544343	
GACO0619T175-1CRSO 04	L1871632-04	Aluminum	5230		26.9	1	06/23/2025 12:44	WG2544343	
GACO0619T175-1CRSO 04	L1871632-04	Beryllium	0.623		0.269	1	06/23/2025 12:44	WG2544343	
GACO0619T175-1CRSO 04	L1871632-04	Calcium	16400		134	1	06/23/2025 12:44	WG2544343	
GACO0619T175-1CRSO 04	L1871632-04	Chromium	8.25		1.34	1	06/23/2025 12:44	WG2544343	
GACO0619T175-1CRSO 04	L1871632-04	Cobalt	6.28		1.34	1	06/23/2025 12:44	WG2544343	
GACO0619T175-1CRSO 04	L1871632-04	Iron	9160		13.4	1	06/23/2025 12:44	WG2544343	
GACO0619T175-1CRSO 04	L1871632-04	Magnesium	3720		134	1	06/23/2025 12:44	WG2544343	
GACO0619T175-1CRSO 04	L1871632-04	Manganese	324		1.34	1	06/23/2025 12:44	WG2544343	
GACO0619T175-1CRSO 04	L1871632-04	Potassium	3350		134	1	06/23/2025 12:44	WG2544343	
GACO0619T175-1CRSO 04	L1871632-04	Sodium	1950		134	1	06/23/2025 12:44	WG2544343	
GACO0619T175-1CRSO 04	L1871632-04	Vanadium	16.2		2.69	1	06/23/2025 12:44	WG2544343	
GACO0619T175-1CRSO 05	L1871632-06	Aluminum	4880	J3 V	23.1	1	06/23/2025 12:27	WG2544343	
GACO0619T175-1CRSO 05	L1871632-06	Beryllium	0.556		0.231	1	06/23/2025 12:27	WG2544343	
GACO0619T175-1CRSO 05	L1871632-06	Calcium	7260	J3 V	116	1	06/23/2025 12:27	WG2544343	
GACO0619T175-1CRSO 05	L1871632-06	Chromium	6.03		1.16	1	06/23/2025 12:27	WG2544343	
GACO0619T175-1CRSO 05	L1871632-06	Cobalt	4.15		1.16	1	06/23/2025 12:27	WG2544343	
GACO0619T175-1CRSO 05	L1871632-06	Iron	7770	J3 V	11.6	1	06/23/2025 12:27	WG2544343	
GACO0619T175-1CRSO 05	L1871632-06	Magnesium	2320	J3 J6	116	1	06/23/2025 12:27	WG2544343	
GACO0619T175-1CRSO 05	L1871632-06	Manganese	211	J3 J6	1.16	1	06/23/2025 12:27	WG2544343	
GACO0619T175-1CRSO 05	L1871632-06	Potassium	1580	J3 J6	116	1	06/23/2025 12:27	WG2544343	
GACO0619T175-1CRSO 05	L1871632-06	Sodium	138		116	1	06/23/2025 12:27	WG2544343	
GACO0619T175-1CRSO 05	L1871632-06	Vanadium	14.7		2.31	1	06/23/2025 12:27	WG2544343	

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	
GACO0619T175-1CRSO 06	L1871632-07	Aluminum	3850		25.6	1	06/23/2025 12:46	WG2544343	¹ Cp
GACO0619T175-1CRSO 06	L1871632-07	Beryllium	0.806		0.256	1	06/23/2025 12:46	WG2544343	² Tc
GACO0619T175-1CRSO 06	L1871632-07	Calcium	9390		128	1	06/23/2025 12:46	WG2544343	³ Ss
GACO0619T175-1CRSO 06	L1871632-07	Chromium	6.36		1.28	1	06/23/2025 12:46	WG2544343	⁴ Cn
GACO0619T175-1CRSO 06	L1871632-07	Cobalt	4.96		1.28	1	06/23/2025 12:46	WG2544343	⁵ Ds
GACO0619T175-1CRSO 06	L1871632-07	Iron	7330		12.8	1	06/23/2025 12:46	WG2544343	⁶ Sr
GACO0619T175-1CRSO 06	L1871632-07	Magnesium	2780		128	1	06/23/2025 12:46	WG2544343	⁷ Qc
GACO0619T175-1CRSO 06	L1871632-07	Manganese	148		1.28	1	06/23/2025 12:46	WG2544343	⁸ Gl
GACO0619T175-1CRSO 06	L1871632-07	Potassium	1340		128	1	06/23/2025 12:46	WG2544343	⁹ Al
GACO0619T175-1CRSO 06	L1871632-07	Sodium	1890		128	1	06/23/2025 12:46	WG2544343	¹⁰ Sc
GACO0619T175-1CRSO 06	L1871632-07	Vanadium	16.3		2.56	1	06/23/2025 12:46	WG2544343	
GACO0619T175-1CRSO 07	L1871632-09	Aluminum	5400		26.3	1	06/23/2025 12:47	WG2544343	
GACO0619T175-1CRSO 07	L1871632-09	Beryllium	0.575		0.263	1	06/23/2025 12:47	WG2544343	
GACO0619T175-1CRSO 07	L1871632-09	Calcium	10700		132	1	06/23/2025 12:47	WG2544343	
GACO0619T175-1CRSO 07	L1871632-09	Chromium	7.98		1.32	1	06/23/2025 12:47	WG2544343	
GACO0619T175-1CRSO 07	L1871632-09	Cobalt	4.31		1.32	1	06/23/2025 12:47	WG2544343	
GACO0619T175-1CRSO 07	L1871632-09	Iron	7980		13.2	1	06/23/2025 12:47	WG2544343	
GACO0619T175-1CRSO 07	L1871632-09	Magnesium	3560		132	1	06/23/2025 12:47	WG2544343	
GACO0619T175-1CRSO 07	L1871632-09	Manganese	286		1.32	1	06/23/2025 12:47	WG2544343	
GACO0619T175-1CRSO 07	L1871632-09	Potassium	3760		132	1	06/23/2025 12:47	WG2544343	
GACO0619T175-1CRSO 07	L1871632-09	Sodium	2290		132	1	06/23/2025 12:47	WG2544343	
GACO0619T175-1CRSO 07	L1871632-09	Vanadium	15.7		2.63	1	06/23/2025 12:47	WG2544343	
GACO0619T175-1CRCO 07	L1871632-10	Aluminum	5350		24.2	1	06/23/2025 12:49	WG2544343	
GACO0619T175-1CRCO 07	L1871632-10	Beryllium	0.591		0.242	1	06/23/2025 12:49	WG2544343	
GACO0619T175-1CRCO 07	L1871632-10	Calcium	10500		121	1	06/23/2025 12:49	WG2544343	
GACO0619T175-1CRCO 07	L1871632-10	Chromium	7.92		1.21	1	06/23/2025 12:49	WG2544343	
GACO0619T175-1CRCO 07	L1871632-10	Cobalt	4.77		1.21	1	06/23/2025 12:49	WG2544343	
GACO0619T175-1CRCO 07	L1871632-10	Iron	8040		12.1	1	06/23/2025 12:49	WG2544343	
GACO0619T175-1CRCO 07	L1871632-10	Magnesium	3500		121	1	06/23/2025 12:49	WG2544343	
GACO0619T175-1CRCO 07	L1871632-10	Manganese	307		1.21	1	06/23/2025 12:49	WG2544343	
GACO0619T175-1CRCO 07	L1871632-10	Potassium	3930		121	1	06/23/2025 12:49	WG2544343	
GACO0619T175-1CRCO 07	L1871632-10	Sodium	2330		121	1	06/23/2025 12:49	WG2544343	
GACO0619T175-1CRCO 07	L1871632-10	Vanadium	15.2		2.42	1	06/23/2025 12:49	WG2544343	

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	
GACO0619T175-1CRSO 08	L1871632-11	Aluminum	4030		25.9	1	06/23/2025 12:51	WG2544343	¹ Cp
GACO0619T175-1CRSO 08	L1871632-11	Beryllium	0.856		0.259	1	06/23/2025 12:51	WG2544343	² Tc
GACO0619T175-1CRSO 08	L1871632-11	Calcium	6950		129	1	06/23/2025 12:51	WG2544343	³ Ss
GACO0619T175-1CRSO 08	L1871632-11	Chromium	6.46		1.29	1	06/23/2025 12:51	WG2544343	⁴ Cn
GACO0619T175-1CRSO 08	L1871632-11	Cobalt	5.10		1.29	1	06/23/2025 12:51	WG2544343	⁵ Ds
GACO0619T175-1CRSO 08	L1871632-11	Iron	8420		12.9	1	06/23/2025 12:51	WG2544343	⁶ Sr
GACO0619T175-1CRSO 08	L1871632-11	Magnesium	2840		129	1	06/23/2025 12:51	WG2544343	⁷ Qc
GACO0619T175-1CRSO 08	L1871632-11	Manganese	157		1.29	1	06/23/2025 12:51	WG2544343	⁸ Gl
GACO0619T175-1CRSO 08	L1871632-11	Potassium	856		129	1	06/23/2025 12:51	WG2544343	⁹ Al
GACO0619T175-1CRSO 08	L1871632-11	Sodium	428		129	1	06/23/2025 12:51	WG2544343	¹⁰ Sc
GACO0619T175-1CRSO 08	L1871632-11	Vanadium	16.9		2.59	1	06/23/2025 12:51	WG2544343	
GACO0619T175-1CRSO 09	L1871632-12	Aluminum	4610		24.7	1	06/23/2025 12:53	WG2544343	
GACO0619T175-1CRSO 09	L1871632-12	Beryllium	0.622		0.247	1	06/23/2025 12:53	WG2544343	
GACO0619T175-1CRSO 09	L1871632-12	Calcium	7180		124	1	06/23/2025 12:53	WG2544343	
GACO0619T175-1CRSO 09	L1871632-12	Chromium	9.73		1.24	1	06/23/2025 12:53	WG2544343	
GACO0619T175-1CRSO 09	L1871632-12	Cobalt	4.83		1.24	1	06/23/2025 12:53	WG2544343	
GACO0619T175-1CRSO 09	L1871632-12	Iron	7600		12.4	1	06/23/2025 12:53	WG2544343	
GACO0619T175-1CRSO 09	L1871632-12	Magnesium	2650		124	1	06/23/2025 12:53	WG2544343	
GACO0619T175-1CRSO 09	L1871632-12	Manganese	257		1.24	1	06/23/2025 12:53	WG2544343	
GACO0619T175-1CRSO 09	L1871632-12	Potassium	1490		124	1	06/23/2025 12:53	WG2544343	
GACO0619T175-1CRSO 09	L1871632-12	Sodium	1820		124	1	06/23/2025 12:53	WG2544343	
GACO0619T175-1CRSO 09	L1871632-12	Vanadium	14.6		2.47	1	06/23/2025 12:53	WG2544343	

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

Client ID	Lab Sample ID	Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
GACO0619T175-1CRSO 01	L1871632-01	Hot Water Sol. Boron	1.23		0.100	1	06/26/2025 17:41	WG2546152
GACO0619T175-1CRSO 02	L1871632-02	Hot Water Sol. Boron	0.768		0.100	1	06/26/2025 17:44	WG2546152
GACO0619T175-1CRSO 03	L1871632-03	Hot Water Sol. Boron	0.765		0.100	1	06/26/2025 14:36	WG2546205
GACO0619T175-1CRSO 04	L1871632-04	Hot Water Sol. Boron	0.829		0.100	1	06/26/2025 17:47	WG2546152
GACO0619T175-1CRSO 05	L1871632-06	Hot Water Sol. Boron	0.727		0.100	1	06/26/2025 17:50	WG2546152
GACO0619T175-1CRSO 06	L1871632-07	Hot Water Sol. Boron	0.632		0.100	1	06/26/2025 17:53	WG2546152
GACO0619T175-1CRSO 07	L1871632-09	Hot Water Sol. Boron	1.45		0.100	1	06/26/2025 17:56	WG2546152
GACO0619T175-1CRSO 07	L1871632-10	Hot Water Sol. Boron	1.37		0.100	1	06/26/2025 18:05	WG2546152
GACO0619T175-1CRSO 08	L1871632-11	Hot Water Sol. Boron	0.775		0.100	1	06/26/2025 12:52	WG2546205

ACCOUNT:
CTEH - ER

PROJECT:
PROJ-054017

SDG:
L1871632

DATE/TIME:
07/17/25 16:24

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DETECTION SUMMARY

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

Client ID	Lab Sample ID	Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
GACO0619T175-1CRS009	L1871632-12	Hot Water Sol. Boron	0.576		0.100	1	06/26/2025 18:08	WG2546152

¹ Cp² Tc³ Ss

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
GACO0619T175-1CRS001	L1871632-01	Arsenic	11.4		0.138	5	06/23/2025 18:16	WG2544352
GACO0619T175-1CRS001	L1871632-01	Barium	78.0		13.8	5	06/23/2025 18:16	WG2544352
GACO0619T175-1CRS001	L1871632-01	Cadmium	0.633		0.138	5	06/23/2025 18:16	WG2544352
GACO0619T175-1CRS001	L1871632-01	Copper	19.4		13.8	5	06/23/2025 18:16	WG2544352
GACO0619T175-1CRS001	L1871632-01	Lead	41.9		13.8	5	06/23/2025 18:16	WG2544352
GACO0619T175-1CRS001	L1871632-01	Selenium	0.353		0.138	5	06/23/2025 18:16	WG2544352
GACO0619T175-1CRS001	L1871632-01	Zinc	151		69.0	5	06/23/2025 18:16	WG2544352
GACO0619T175-1CRS002	L1871632-02	Arsenic	5.80		0.112	5	06/23/2025 18:19	WG2544352
GACO0619T175-1CRS002	L1871632-02	Barium	75.1		11.2	5	06/23/2025 18:19	WG2544352
GACO0619T175-1CRS002	L1871632-02	Cadmium	0.372		0.112	5	06/23/2025 18:19	WG2544352
GACO0619T175-1CRS002	L1871632-02	Lead	23.6		11.2	5	06/23/2025 18:19	WG2544352
GACO0619T175-1CRS002	L1871632-02	Selenium	0.273		0.112	5	06/23/2025 18:19	WG2544352
GACO0619T175-1CRS002	L1871632-02	Zinc	58.4		56.2	5	06/23/2025 18:19	WG2544352
GACO0619T175-1CRS003	L1871632-03	Arsenic	13.4		0.130	5	06/23/2025 18:22	WG2544352
GACO0619T175-1CRS003	L1871632-03	Barium	115		13.0	5	06/23/2025 18:22	WG2544352
GACO0619T175-1CRS003	L1871632-03	Cadmium	0.461		0.130	5	06/23/2025 18:22	WG2544352
GACO0619T175-1CRS003	L1871632-03	Copper	14.5		13.0	5	06/23/2025 18:22	WG2544352
GACO0619T175-1CRS003	L1871632-03	Lead	59.8		13.0	5	06/23/2025 18:22	WG2544352
GACO0619T175-1CRS003	L1871632-03	Selenium	0.450		0.130	5	06/23/2025 18:22	WG2544352
GACO0619T175-1CRS003	L1871632-03	Zinc	92.3		65.1	5	06/23/2025 18:22	WG2544352
GACO0619T175-1CRS004	L1871632-04	Arsenic	4.32		0.134	5	06/23/2025 18:32	WG2544352
GACO0619T175-1CRS004	L1871632-04	Barium	110		13.4	5	06/23/2025 18:32	WG2544352
GACO0619T175-1CRS004	L1871632-04	Cadmium	0.520		0.134	5	06/23/2025 18:32	WG2544352
GACO0619T175-1CRS004	L1871632-04	Copper	21.3		13.4	5	06/23/2025 18:32	WG2544352
GACO0619T175-1CRS004	L1871632-04	Lead	54.4		13.4	5	06/23/2025 18:32	WG2544352
GACO0619T175-1CRS004	L1871632-04	Selenium	0.465		0.134	5	06/23/2025 18:32	WG2544352
GACO0619T175-1CRS004	L1871632-04	Zinc	144		67.2	5	06/23/2025 18:32	WG2544352

⁴ Cn⁵ Ds⁶ Sr⁷ Qc⁸ Gl⁹ Al¹⁰ Sc

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
GACO0619T175-1CRSO 05	L1871632-06	Arsenic	4.44	O1	0.116	5	06/23/2025 18:00	WG2544352
GACO0619T175-1CRSO 05	L1871632-06	Barium	76.4	J3 J6	11.6	5	06/23/2025 18:00	WG2544352
GACO0619T175-1CRSO 05	L1871632-06	Cadmium	0.320		0.116	5	06/23/2025 18:00	WG2544352
GACO0619T175-1CRSO 05	L1871632-06	Copper	14.9		11.6	5	06/23/2025 18:00	WG2544352
GACO0619T175-1CRSO 05	L1871632-06	Lead	24.5		11.6	5	06/23/2025 18:00	WG2544352
GACO0619T175-1CRSO 05	L1871632-06	Selenium	0.326		0.116	5	06/23/2025 18:00	WG2544352
GACO0619T175-1CRSO 05	L1871632-06	Zinc	69.5	J6	57.9	5	06/23/2025 18:00	WG2544352
GACO0619T175-1CRSO 06	L1871632-07	Arsenic	4.48		0.128	5	06/23/2025 18:35	WG2544352
GACO0619T175-1CRSO 06	L1871632-07	Barium	101		12.8	5	06/23/2025 18:35	WG2544352
GACO0619T175-1CRSO 06	L1871632-07	Cadmium	0.300		0.128	5	06/23/2025 18:35	WG2544352
GACO0619T175-1CRSO 06	L1871632-07	Copper	17.3		12.8	5	06/23/2025 18:35	WG2544352
GACO0619T175-1CRSO 06	L1871632-07	Lead	14.2		12.8	5	06/23/2025 18:35	WG2544352
GACO0619T175-1CRSO 06	L1871632-07	Selenium	0.393		0.128	5	06/23/2025 18:35	WG2544352
GACO0619T175-1CRSO 06	L1871632-07	Zinc	64.6		64.0	5	06/23/2025 18:35	WG2544352
GACO0619T175-1CRSO 07	L1871632-09	Arsenic	22.6		0.132	5	06/23/2025 18:38	WG2544352
GACO0619T175-1CRSO 07	L1871632-09	Barium	75.9		13.2	5	06/23/2025 18:38	WG2544352
GACO0619T175-1CRSO 07	L1871632-09	Cadmium	0.539		0.132	5	06/23/2025 18:38	WG2544352
GACO0619T175-1CRSO 07	L1871632-09	Copper	13.9		13.2	5	06/23/2025 18:38	WG2544352
GACO0619T175-1CRSO 07	L1871632-09	Lead	165		13.2	5	06/23/2025 18:38	WG2544352
GACO0619T175-1CRSO 07	L1871632-09	Selenium	0.507		0.132	5	06/23/2025 18:38	WG2544352
GACO0619T175-1CRSO 07	L1871632-09	Zinc	112		65.8	5	06/23/2025 18:38	WG2544352
GACO0619T175-1CRCO 07	L1871632-10	Arsenic	27.5		0.121	5	06/23/2025 18:41	WG2544352
GACO0619T175-1CRCO 07	L1871632-10	Barium	76.5		12.1	5	06/23/2025 18:41	WG2544352
GACO0619T175-1CRCO 07	L1871632-10	Cadmium	0.583		0.121	5	06/23/2025 18:41	WG2544352
GACO0619T175-1CRCO 07	L1871632-10	Copper	14.7		12.1	5	06/23/2025 18:41	WG2544352
GACO0619T175-1CRCO 07	L1871632-10	Lead	131		12.1	5	06/23/2025 18:41	WG2544352
GACO0619T175-1CRCO 07	L1871632-10	Selenium	0.484		0.121	5	06/23/2025 18:41	WG2544352
GACO0619T175-1CRCO 07	L1871632-10	Zinc	104		60.4	5	06/23/2025 18:41	WG2544352
GACO0619T175-1CRSO 08	L1871632-11	Arsenic	3.70		0.129	5	06/23/2025 18:44	WG2544352
GACO0619T175-1CRSO 08	L1871632-11	Barium	65.8		12.9	5	06/23/2025 18:44	WG2544352
GACO0619T175-1CRSO 08	L1871632-11	Cadmium	0.315		0.129	5	06/23/2025 18:44	WG2544352
GACO0619T175-1CRSO 08	L1871632-11	Copper	15.4		12.9	5	06/23/2025 18:44	WG2544352
GACO0619T175-1CRSO 08	L1871632-11	Lead	14.0		12.9	5	06/23/2025 18:44	WG2544352
GACO0619T175-1CRSO 08	L1871632-11	Selenium	0.362		0.129	5	06/23/2025 18:44	WG2544352

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

DETECTION SUMMARY

Metals (ICPMS) by Method 6020B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
GACO0619T175-1CRS009	L1871632-12	Arsenic	3.71		0.124	5	06/23/2025 18:47	WG2544352	¹ Cp
GACO0619T175-1CRS009	L1871632-12	Barium	88.2		12.4	5	06/23/2025 18:47	WG2544352	² Tc
GACO0619T175-1CRS009	L1871632-12	Cadmium	0.350		0.124	5	06/23/2025 18:47	WG2544352	³ Ss
GACO0619T175-1CRS009	L1871632-12	Copper	16.8		12.4	5	06/23/2025 18:47	WG2544352	⁴ Cn
GACO0619T175-1CRS009	L1871632-12	Lead	21.5		12.4	5	06/23/2025 18:47	WG2544352	⁵ Ds
GACO0619T175-1CRS009	L1871632-12	Selenium	0.345		0.124	5	06/23/2025 18:47	WG2544352	⁶ Sr
GACO0619T175-1CRS009	L1871632-12	Zinc	68.9		61.8	5	06/23/2025 18:47	WG2544352	⁷ Qc

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	
GACO0619T175-1CRS001	L1871632-01	C10-C28 Diesel Range	61.3		27.6	5	06/30/2025 22:47	WG2547467	⁸ Gl
GACO0619T175-1CRS001	L1871632-01	C28-C36 Motor Oil Range	247		27.6	5	06/30/2025 22:47	WG2547467	⁹ Al
GACO0619T175-1CRS002	L1871632-02	C10-C28 Diesel Range	23.6		22.5	5	06/30/2025 21:57	WG2547467	¹⁰ Sc
GACO0619T175-1CRS002	L1871632-02	C28-C36 Motor Oil Range	84.8		22.5	5	06/30/2025 21:57	WG2547467	
GACO0619T175-1CRS003	L1871632-03	C10-C28 Diesel Range	64.6		26.1	5	06/30/2025 23:12	WG2547467	
GACO0619T175-1CRS003	L1871632-03	C28-C36 Motor Oil Range	344		26.1	5	06/30/2025 23:12	WG2547467	
GACO0619T175-1CRS004	L1871632-04	C10-C28 Diesel Range	14.5		5.38	1	06/30/2025 20:54	WG2547467	
GACO0619T175-1CRS004	L1871632-04	C28-C36 Motor Oil Range	25.5		5.38	1	06/30/2025 20:54	WG2547467	
GACO0619T175-1CRS005	L1871632-06	C10-C28 Diesel Range	13.4		4.63	1	06/30/2025 20:29	WG2547467	
GACO0619T175-1CRS005	L1871632-06	C28-C36 Motor Oil Range	53.2		4.63	1	06/30/2025 20:29	WG2547467	
GACO0619T175-1CRS006	L1871632-07	C10-C28 Diesel Range	13.3		5.12	1	06/30/2025 20:04	WG2547467	
GACO0619T175-1CRS006	L1871632-07	C28-C36 Motor Oil Range	46.9		5.12	1	06/30/2025 20:04	WG2547467	
GACO0619T175-1CRS007	L1871632-09	C10-C28 Diesel Range	40.5		26.3	5	06/30/2025 21:57	WG2547467	
GACO0619T175-1CRS007	L1871632-09	C28-C36 Motor Oil Range	199		26.3	5	06/30/2025 21:57	WG2547467	
GACO0619T175-1CRS007	L1871632-10	C10-C28 Diesel Range	71.8		24.2	5	06/30/2025 23:12	WG2547467	
GACO0619T175-1CRS007	L1871632-10	C28-C36 Motor Oil Range	335		24.2	5	06/30/2025 23:12	WG2547467	
GACO0619T175-1CRS008	L1871632-11	C28-C36 Motor Oil Range	13.3		5.17	1	06/30/2025 18:15	WG2547467	
GACO0619T175-1CRS009	L1871632-12	C10-C28 Diesel Range	19.2		4.95	1	06/30/2025 21:19	WG2547467	
GACO0619T175-1CRS009	L1871632-12	C28-C36 Motor Oil Range	55.7		4.95	1	06/30/2025 21:19	WG2547467	

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
GACO0619T175-1CRS002	L1871632-02	Benzo(g,h,i)perylene	0.0669		0.0374	1	06/29/2025 01:26	WG2546484
GACO0619T175-1CRS002	L1871632-02	Phenanthrene	0.0795		0.0374	1	06/29/2025 01:26	WG2546484

DETECTION SUMMARY

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
GACO0619T175-1CRS001	L1871632-01	Benzo(a)anthracene	0.0685		0.00829	1	06/28/2025 18:10	WG2547471
GACO0619T175-1CRS001	L1871632-01	Benzo(a)pyrene	0.0751		0.0456	1	06/28/2025 18:10	WG2547471
GACO0619T175-1CRS001	L1871632-01	Benzo(b)fluoranthene	0.0874		0.0456	1	06/28/2025 18:10	WG2547471
GACO0619T175-1CRS001	L1871632-01	Benzo(g,h,i)perylene	0.0471		0.0456	1	06/28/2025 18:10	WG2547471
GACO0619T175-1CRS001	L1871632-01	Chrysene	0.0950		0.0456	1	06/28/2025 18:10	WG2547471
GACO0619T175-1CRS001	L1871632-01	Fluoranthene	0.131		0.0456	1	06/28/2025 18:10	WG2547471
GACO0619T175-1CRS001	L1871632-01	Indeno(1,2,3-cd)pyrene	0.0481		0.0456	1	06/28/2025 18:10	WG2547471
GACO0619T175-1CRS001	L1871632-01	Naphthalene	0.00845		0.00414	1	06/28/2025 18:10	WG2547471
GACO0619T175-1CRS001	L1871632-01	Phenanthrene	0.0570		0.0456	1	06/28/2025 18:10	WG2547471
GACO0619T175-1CRS001	L1871632-01	Pyrene	0.114		0.0456	1	06/28/2025 18:10	WG2547471
GACO0619T175-1CRS002	L1871632-02	Benzo(a)anthracene	0.0731		0.00674	1	06/28/2025 18:59	WG2547471
GACO0619T175-1CRS002	L1871632-02	Benzo(a)pyrene	0.0849		0.0371	1	06/28/2025 18:59	WG2547471
GACO0619T175-1CRS002	L1871632-02	Benzo(b)fluoranthene	0.104		0.0371	1	06/28/2025 18:59	WG2547471
GACO0619T175-1CRS002	L1871632-02	Benzo(g,h,i)perylene	0.0601		0.0371	1	06/28/2025 18:59	WG2547471
GACO0619T175-1CRS002	L1871632-02	Benzo(k)fluoranthene	0.0429		0.0371	1	06/28/2025 18:59	WG2547471
GACO0619T175-1CRS002	L1871632-02	Chrysene	0.112		0.0371	1	06/28/2025 18:59	WG2547471
GACO0619T175-1CRS002	L1871632-02	Fluoranthene	0.161		0.0371	1	06/28/2025 18:59	WG2547471
GACO0619T175-1CRS002	L1871632-02	Indeno(1,2,3-cd)pyrene	0.0573		0.0371	1	06/28/2025 18:59	WG2547471
GACO0619T175-1CRS002	L1871632-02	Naphthalene	0.00876		0.00337	1	06/28/2025 18:59	WG2547471
GACO0619T175-1CRS002	L1871632-02	Phenanthrene	0.0689		0.0371	1	06/28/2025 18:59	WG2547471
GACO0619T175-1CRS002	L1871632-02	Pyrene	0.154		0.0371	1	06/28/2025 18:59	WG2547471
GACO0619T175-1CRS003	L1871632-03	Benzo(a)anthracene	0.00937		0.00782	1	06/28/2025 15:51	WG2547471
GACO0619T175-1CRS003	L1871632-03	Naphthalene	0.197		0.00391	1	06/28/2025 15:51	WG2547471
GACO0619T175-1CRS003	L1871632-03	1-Methylnaphthalene	0.0188		0.00391	1	06/28/2025 15:51	WG2547471
GACO0619T175-1CRS003	L1871632-03	2-Methylnaphthalene	0.0586		0.0156	1	06/28/2025 15:51	WG2547471
GACO0619T175-1CRS005	L1871632-06	Benzo(a)anthracene	0.0183		0.00694	1	06/28/2025 17:18	WG2547471
GACO0619T175-1CRS007	L1871632-09	Benzo(a)anthracene	0.0105		0.00790	1	06/28/2025 16:43	WG2547471

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	6.94		1	06/26/2025 15:04	WG2546134

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	4220		27.6	1	06/27/2025 18:14	WG2544103

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	72.4		1	06/20/2025 15:38	WG2543246

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		13.8	1	06/26/2025 16:55	WG2544515

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	4210		138	5	06/27/2025 18:14	WG2548019

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.276	1	06/27/2025 18:07	WG2544394

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.40		1	06/26/2025 08:40	WG2547109

Sample Narrative:

L1871632-01 WG2547109: 8.4 at 23.8C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1550	umhos/cm		10.0	1	06/26/2025 14:45	WG2547126

Sample Narrative:

L1871632-01 WG2547126: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		27.6	1	06/23/2025 04:34	WG2544103

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	34600		1000	10	06/26/2025 23:41	WG2546217

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	4260		27.6	1	06/23/2025 12:36	WG2544343
Antimony	ND		2.76	1	06/23/2025 12:36	WG2544343
Beryllium	0.464		0.276	1	06/23/2025 12:36	WG2544343
Calcium	9510		138	1	06/23/2025 12:36	WG2544343
Chromium	9.22		1.38	1	06/23/2025 12:36	WG2544343
Cobalt	3.68		1.38	1	06/23/2025 12:36	WG2544343
Iron	7420		13.8	1	06/23/2025 12:36	WG2544343
Magnesium	2960		138	1	06/23/2025 12:36	WG2544343
Manganese	251		1.38	1	06/23/2025 12:36	WG2544343
Potassium	2190		138	1	06/23/2025 12:36	WG2544343
Sodium	1330		138	1	06/23/2025 12:36	WG2544343
Thallium	ND		2.76	1	06/23/2025 12:36	WG2544343
Vanadium	12.6		2.76	1	06/23/2025 12:36	WG2544343

1
Cp2
Tc3
Ss4
Cn5
Ds6
Sr7
Qc8
Gl9
Al10
Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.23		0.100	1	06/26/2025 17:41	WG2546152

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	11.4		0.138	5	06/23/2025 18:16	WG2544352
Barium	78.0		13.8	5	06/23/2025 18:16	WG2544352
Cadmium	0.633		0.138	5	06/23/2025 18:16	WG2544352
Copper	19.4		13.8	5	06/23/2025 18:16	WG2544352
Lead	41.9		13.8	5	06/23/2025 18:16	WG2544352
Nickel	ND		13.8	5	06/23/2025 18:16	WG2544352
Selenium	0.353		0.138	5	06/23/2025 18:16	WG2544352
Silver	ND		0.690	5	06/23/2025 18:16	WG2544352
Zinc	151		69.0	5	06/23/2025 18:16	WG2544352

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		4.41	25	06/21/2025 17:07	WG2543488
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	99.0		77.0-120		06/21/2025 17:07	WG2543488

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0881	1	06/21/2025 15:40	WG2543788
Acrylonitrile	ND		0.0220	1	06/21/2025 15:40	WG2543788
Benzene	ND		0.00176	1	06/21/2025 15:40	WG2543788
Bromobenzene	ND		0.0220	1	06/21/2025 15:40	WG2543788
Bromodichloromethane	ND		0.00441	1	06/21/2025 15:40	WG2543788
Bromoform	ND		0.0441	1	06/21/2025 15:40	WG2543788
Bromomethane	ND	C3	0.0220	1	06/21/2025 15:40	WG2543788
n-Butylbenzene	ND		0.0220	1	06/21/2025 15:40	WG2543788
sec-Butylbenzene	ND		0.0220	1	06/21/2025 15:40	WG2543788
tert-Butylbenzene	ND		0.00881	1	06/21/2025 15:40	WG2543788
Carbon tetrachloride	ND		0.00881	1	06/21/2025 15:40	WG2543788
Chlorobenzene	ND		0.00441	1	06/21/2025 15:40	WG2543788
Chlorodibromomethane	ND		0.00441	1	06/21/2025 15:40	WG2543788

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		0.00881	1	06/21/2025 15:40	WG2543788
Chloroform	ND		0.00441	1	06/21/2025 15:40	WG2543788
Chloromethane	ND		0.0220	1	06/21/2025 15:40	WG2543788
2-Chlorotoluene	ND		0.00441	1	06/21/2025 15:40	WG2543788
4-Chlorotoluene	ND		0.00881	1	06/21/2025 15:40	WG2543788
1,2-Dibromo-3-Chloropropane	ND		0.0441	1	06/21/2025 15:40	WG2543788
1,2-Dibromoethane	ND		0.00441	1	06/21/2025 15:40	WG2543788
Dibromomethane	ND		0.00881	1	06/21/2025 15:40	WG2543788
1,2-Dichlorobenzene	ND		0.00881	1	06/21/2025 15:40	WG2543788
1,3-Dichlorobenzene	ND		0.00881	1	06/21/2025 15:40	WG2543788
1,4-Dichlorobenzene	ND		0.00881	1	06/21/2025 15:40	WG2543788
Dichlorodifluoromethane	ND		0.00881	1	06/21/2025 15:40	WG2543788
1,1-Dichloroethane	ND		0.00441	1	06/21/2025 15:40	WG2543788
1,2-Dichloroethane	ND		0.00441	1	06/21/2025 15:40	WG2543788
1,1-Dichloroethene	ND		0.00441	1	06/21/2025 15:40	WG2543788
cis-1,2-Dichloroethene	ND		0.00441	1	06/21/2025 15:40	WG2543788
trans-1,2-Dichloroethene	ND		0.00881	1	06/21/2025 15:40	WG2543788
1,2-Dichloropropane	ND		0.00881	1	06/21/2025 15:40	WG2543788
1,1-Dichloropropene	ND		0.00441	1	06/21/2025 15:40	WG2543788
1,3-Dichloropropane	ND		0.00881	1	06/21/2025 15:40	WG2543788
cis-1,3-Dichloropropene	ND		0.00441	1	06/21/2025 15:40	WG2543788
trans-1,3-Dichloropropene	ND		0.00881	1	06/21/2025 15:40	WG2543788
2,2-Dichloropropane	ND		0.00441	1	06/21/2025 15:40	WG2543788
Di-isopropyl ether	ND		0.00176	1	06/21/2025 15:40	WG2543788
Ethylbenzene	ND		0.0176	1	06/21/2025 15:40	WG2543788
Hexachloro-1,3-butadiene	ND		0.0441	1	06/21/2025 15:40	WG2543788
Isopropylbenzene	ND		0.00441	1	06/21/2025 15:40	WG2543788
p-Isopropyltoluene	ND		0.00881	1	06/21/2025 15:40	WG2543788
2-Butanone (MEK)	ND		0.176	1	06/21/2025 15:40	WG2543788
Methylene Chloride	ND		0.0441	1	06/21/2025 15:40	WG2543788
4-Methyl-2-pentanone (MIBK)	ND		0.0441	1	06/21/2025 15:40	WG2543788
Methyl tert-butyl ether	ND		0.00176	1	06/21/2025 15:40	WG2543788
n-Propylbenzene	ND		0.00881	1	06/21/2025 15:40	WG2543788
Styrene	ND		0.0220	1	06/21/2025 15:40	WG2543788
1,1,1,2-Tetrachloroethane	ND		0.00441	1	06/21/2025 15:40	WG2543788
1,1,2,2-Tetrachloroethane	ND		0.00441	1	06/21/2025 15:40	WG2543788
1,1,2-Trichlorotrifluoroethane	ND		0.00441	1	06/21/2025 15:40	WG2543788
Tetrachloroethene	ND		0.00441	1	06/21/2025 15:40	WG2543788
Toluene	ND		0.0176	1	06/21/2025 15:40	WG2543788
1,2,3-Trichlorobenzene	ND		0.0220	1	06/21/2025 15:40	WG2543788
1,2,4-Trichlorobenzene	ND		0.0220	1	06/21/2025 15:40	WG2543788
1,1,1-Trichloroethane	ND		0.00441	1	06/21/2025 15:40	WG2543788
1,1,2-Trichloroethane	ND		0.00441	1	06/21/2025 15:40	WG2543788
Trichloroethene	ND		0.00176	1	06/21/2025 15:40	WG2543788
Trichlorofluoromethane	ND		0.00441	1	06/21/2025 15:40	WG2543788
1,2,3-Trichloropropane	ND		0.0220	1	06/21/2025 15:40	WG2543788
1,2,3-Trimethylbenzene	ND		0.00881	1	06/21/2025 15:40	WG2543788
1,2,4-Trimethylbenzene	ND		0.00881	1	06/21/2025 15:40	WG2543788
1,3,5-Trimethylbenzene	ND		0.00881	1	06/21/2025 15:40	WG2543788
Vinyl chloride	ND		0.00441	1	06/21/2025 15:40	WG2543788
Xylenes, Total	ND		0.176	1	06/21/2025 15:40	WG2543788
(S) Toluene-d8	96.4		75.0-131		06/21/2025 15:40	WG2543788
(S) 4-Bromofluorobenzene	106		67.0-138		06/21/2025 15:40	WG2543788
(S) 1,2-Dichloroethane-d4	104		70.0-130		06/21/2025 15:40	WG2543788

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	61.3		27.6	5	06/30/2025 22:47	WG2547467
C28-C36 Motor Oil Range	247		27.6	5	06/30/2025 22:47	WG2547467
(S) o-Terphenyl	57.0		18.0-148		06/30/2025 22:47	WG2547467

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		0.0460	1	06/29/2025 01:49	WG2546484
Benzidine	ND	J4	2.31	1	06/29/2025 01:49	WG2546484
Benzo(g,h,i)perylene	ND		0.0460	1	06/29/2025 01:49	WG2546484
Bis(2-chlorethoxy)methane	ND		0.460	1	06/29/2025 01:49	WG2546484
Bis(2-chloroethyl)ether	ND		0.460	1	06/29/2025 01:49	WG2546484
2,2-Oxybis(1-Chloropropane)	ND		0.460	1	06/29/2025 01:49	WG2546484
4-Bromophenyl-phenylether	ND		0.460	1	06/29/2025 01:49	WG2546484
2-Chloronaphthalene	ND		0.0460	1	06/29/2025 01:49	WG2546484
4-Chlorophenyl-phenylether	ND		0.460	1	06/29/2025 01:49	WG2546484
1,2-Dichlorobenzene	ND		0.460	1	06/29/2025 01:49	WG2546484
1,3-Dichlorobenzene	ND		0.460	1	06/29/2025 01:49	WG2546484
1,4-Dichlorobenzene	ND		0.460	1	06/29/2025 01:49	WG2546484
3,3-Dichlorobenzidine	ND		0.460	1	06/29/2025 01:49	WG2546484
2,4-Dinitrotoluene	ND		0.460	1	06/29/2025 01:49	WG2546484
2,6-Dinitrotoluene	ND		0.460	1	06/29/2025 01:49	WG2546484
Hexachlorobenzene	ND		0.460	1	06/29/2025 01:49	WG2546484
Hexachloro-1,3-butadiene	ND		0.460	1	06/29/2025 01:49	WG2546484
Hexachlorocyclopentadiene	ND	C7	0.460	1	06/29/2025 01:49	WG2546484
Hexachloroethane	ND		0.460	1	06/29/2025 01:49	WG2546484
Isophorone	ND		0.460	1	06/29/2025 01:49	WG2546484
Nitrobenzene	ND		0.460	1	06/29/2025 01:49	WG2546484
n-Nitrosodimethylamine	ND		0.460	1	06/29/2025 01:49	WG2546484
n-Nitrosodiphenylamine	ND		0.460	1	06/29/2025 01:49	WG2546484
n-Nitrosodi-n-propylamine	ND		0.460	1	06/29/2025 01:49	WG2546484
Phenanthrene	ND		0.0460	1	06/29/2025 01:49	WG2546484
Benzylbutyl phthalate	ND		0.460	1	06/29/2025 01:49	WG2546484
Bis(2-ethylhexyl)phthalate	ND		0.460	1	06/29/2025 01:49	WG2546484
Di-n-butyl phthalate	ND		0.460	1	06/29/2025 01:49	WG2546484
Diethyl phthalate	ND		0.460	1	06/29/2025 01:49	WG2546484
Dimethyl phthalate	ND		0.460	1	06/29/2025 01:49	WG2546484
Di-n-octyl phthalate	ND		0.460	1	06/29/2025 01:49	WG2546484
1,2,4-Trichlorobenzene	ND		0.460	1	06/29/2025 01:49	WG2546484
4-Chloro-3-methylphenol	ND		0.460	1	06/29/2025 01:49	WG2546484
2-Chlorophenol	ND		0.460	1	06/29/2025 01:49	WG2546484
2,4-Dichlorophenol	ND		0.460	1	06/29/2025 01:49	WG2546484
2,4-Dimethylphenol	ND		0.460	1	06/29/2025 01:49	WG2546484
4,6-Dinitro-2-methylphenol	ND		0.460	1	06/29/2025 01:49	WG2546484
2,4-Dinitrophenol	ND		0.460	1	06/29/2025 01:49	WG2546484
2-Nitrophenol	ND		0.460	1	06/29/2025 01:49	WG2546484
4-Nitrophenol	ND		0.460	1	06/29/2025 01:49	WG2546484
Pentachlorophenol	ND		0.460	1	06/29/2025 01:49	WG2546484
Phenol	ND		0.460	1	06/29/2025 01:49	WG2546484
2,4,6-Trichlorophenol	ND		0.460	1	06/29/2025 01:49	WG2546484
(S) 2-Fluorophenol	70.9		12.0-120		06/29/2025 01:49	WG2546484
(S) Phenol-d5	68.2		10.0-120		06/29/2025 01:49	WG2546484
(S) Nitrobenzene-d5	62.7		10.0-122		06/29/2025 01:49	WG2546484
(S) 2-Fluorobiphenyl	58.5		15.0-120		06/29/2025 01:49	WG2546484
(S) 2,4,6-Tribromophenol	80.2		10.0-127		06/29/2025 01:49	WG2546484
(S) p-Terphenyl-d14	64.9		10.0-120		06/29/2025 01:49	WG2546484

1

Cp

2

Tc

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Ss

4

Cn

5

Ds

6

Sr

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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		0.0456	1	06/28/2025 18:10	WG2547471
Acenaphthene	ND		0.0456	1	06/28/2025 18:10	WG2547471
Acenaphthylene	ND		0.0456	1	06/28/2025 18:10	WG2547471
Benzo(a)anthracene	0.0685		0.00829	1	06/28/2025 18:10	WG2547471
Benzo(a)pyrene	0.0751		0.0456	1	06/28/2025 18:10	WG2547471
Benzo(b)fluoranthene	0.0874		0.0456	1	06/28/2025 18:10	WG2547471
Benzo(g,h,i)perylene	0.0471		0.0456	1	06/28/2025 18:10	WG2547471
Benzo(k)fluoranthene	ND		0.0456	1	06/28/2025 18:10	WG2547471
Chrysene	0.0950		0.0456	1	06/28/2025 18:10	WG2547471
Dibenz(a,h)anthracene	ND		0.0456	1	06/28/2025 18:10	WG2547471
Fluoranthene	0.131		0.0456	1	06/28/2025 18:10	WG2547471
Fluorene	ND		0.0456	1	06/28/2025 18:10	WG2547471
Indeno(1,2,3-cd)pyrene	0.0481		0.0456	1	06/28/2025 18:10	WG2547471
Naphthalene	0.00845		0.00414	1	06/28/2025 18:10	WG2547471
Phenanthrene	0.0570		0.0456	1	06/28/2025 18:10	WG2547471
Pyrene	0.114		0.0456	1	06/28/2025 18:10	WG2547471
1-Methylnaphthalene	ND		0.00414	1	06/28/2025 18:10	WG2547471
2-Methylnaphthalene	ND		0.0166	1	06/28/2025 18:10	WG2547471
(S) p-Terphenyl-d14	86.8		23.0-120		06/28/2025 18:10	WG2547471
(S) Nitrobenzene-d5	93.0		14.0-149		06/28/2025 18:10	WG2547471
(S) 2-Fluorobiphenyl	91.9		34.0-125		06/28/2025 18:10	WG2547471

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	8.13		1	06/29/2025 01:51	WG2546682

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	2250		22.5	1	06/27/2025 18:16	WG2544103

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.0		1	06/20/2025 15:38	WG2543246

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11.2	1	06/26/2025 16:57	WG2544515

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	2230		112	5	06/27/2025 18:16	WG2548019

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.225	1	06/27/2025 18:16	WG2544394

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	9.19		1	06/27/2025 12:18	WG2548066

Sample Narrative:

L1871632-02 WG2548066: 9.19 at 23.2C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	2030	umhos/cm		10.0	1	06/30/2025 09:58	WG2548069

Sample Narrative:

L1871632-02 WG2548069: 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		22.5	1	06/23/2025 04:47	WG2544103

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	39300		1100	11	06/26/2025 23:41	WG2546217

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	4460		22.5	1	06/23/2025 12:37	WG2544343
Antimony	ND		2.25	1	06/23/2025 12:37	WG2544343
Beryllium	0.488		0.225	1	06/23/2025 12:37	WG2544343
Calcium	6400		112	1	06/23/2025 12:37	WG2544343
Chromium	6.20		1.12	1	06/23/2025 12:37	WG2544343
Cobalt	3.97		1.12	1	06/23/2025 12:37	WG2544343
Iron	7280		11.2	1	06/23/2025 12:37	WG2544343
Magnesium	2040		112	1	06/23/2025 12:37	WG2544343
Manganese	234		1.12	1	06/23/2025 12:37	WG2544343
Potassium	1680		112	1	06/23/2025 12:37	WG2544343
Sodium	1700		112	1	06/23/2025 12:37	WG2544343
Thallium	ND		2.25	1	06/23/2025 12:37	WG2544343
Vanadium	12.8		2.25	1	06/23/2025 12:37	WG2544343

¹ Cp² Tc³ Ss⁴ Cn⁵ Ds⁶ Sr⁷ Qc⁸ Gl⁹ Al¹⁰ Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.768		0.100	1	06/26/2025 17:44	WG2546152

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	5.80		0.112	5	06/23/2025 18:19	WG2544352
Barium	75.1		11.2	5	06/23/2025 18:19	WG2544352
Cadmium	0.372		0.112	5	06/23/2025 18:19	WG2544352
Copper	ND		11.2	5	06/23/2025 18:19	WG2544352
Lead	23.6		11.2	5	06/23/2025 18:19	WG2544352
Nickel	ND		11.2	5	06/23/2025 18:19	WG2544352
Selenium	0.273		0.112	5	06/23/2025 18:19	WG2544352
Silver	ND		0.562	5	06/23/2025 18:19	WG2544352
Zinc	58.4		56.2	5	06/23/2025 18:19	WG2544352

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		3.12	25	06/21/2025 17:31	WG2543488
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	98.5		77.0-120		06/21/2025 17:31	WG2543488

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0624	1	06/21/2025 16:01	WG2543788
Acrylonitrile	ND		0.0156	1	06/21/2025 16:01	WG2543788
Benzene	ND		0.00125	1	06/21/2025 16:01	WG2543788
Bromobenzene	ND		0.0156	1	06/21/2025 16:01	WG2543788
Bromodichloromethane	ND		0.00312	1	06/21/2025 16:01	WG2543788
Bromoform	ND		0.0312	1	06/21/2025 16:01	WG2543788
Bromomethane	ND	C3	0.0156	1	06/21/2025 16:01	WG2543788
n-Butylbenzene	ND		0.0156	1	06/21/2025 16:01	WG2543788
sec-Butylbenzene	ND		0.0156	1	06/21/2025 16:01	WG2543788
tert-Butylbenzene	ND		0.00624	1	06/21/2025 16:01	WG2543788
Carbon tetrachloride	ND		0.00624	1	06/21/2025 16:01	WG2543788
Chlorobenzene	ND		0.00312	1	06/21/2025 16:01	WG2543788
Chlorodibromomethane	ND		0.00312	1	06/21/2025 16:01	WG2543788

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		0.00624	1	06/21/2025 16:01	WG2543788
Chloroform	ND		0.00312	1	06/21/2025 16:01	WG2543788
Chloromethane	ND		0.0156	1	06/21/2025 16:01	WG2543788
2-Chlorotoluene	ND		0.00312	1	06/21/2025 16:01	WG2543788
4-Chlorotoluene	ND		0.00624	1	06/21/2025 16:01	WG2543788
1,2-Dibromo-3-Chloropropane	ND		0.0312	1	06/21/2025 16:01	WG2543788
1,2-Dibromoethane	ND		0.00312	1	06/21/2025 16:01	WG2543788
Dibromomethane	ND		0.00624	1	06/21/2025 16:01	WG2543788
1,2-Dichlorobenzene	ND		0.00624	1	06/21/2025 16:01	WG2543788
1,3-Dichlorobenzene	ND		0.00624	1	06/21/2025 16:01	WG2543788
1,4-Dichlorobenzene	ND		0.00624	1	06/21/2025 16:01	WG2543788
Dichlorodifluoromethane	ND		0.00624	1	06/21/2025 16:01	WG2543788
1,1-Dichloroethane	ND		0.00312	1	06/21/2025 16:01	WG2543788
1,2-Dichloroethane	ND		0.00312	1	06/21/2025 16:01	WG2543788
1,1-Dichloroethene	ND		0.00312	1	06/21/2025 16:01	WG2543788
cis-1,2-Dichloroethene	ND		0.00312	1	06/21/2025 16:01	WG2543788
trans-1,2-Dichloroethene	ND		0.00624	1	06/21/2025 16:01	WG2543788
1,2-Dichloropropane	ND		0.00624	1	06/21/2025 16:01	WG2543788
1,1-Dichloropropene	ND		0.00312	1	06/21/2025 16:01	WG2543788
1,3-Dichloropropane	ND		0.00624	1	06/21/2025 16:01	WG2543788
cis-1,3-Dichloropropene	ND		0.00312	1	06/21/2025 16:01	WG2543788
trans-1,3-Dichloropropene	ND		0.00624	1	06/21/2025 16:01	WG2543788
2,2-Dichloropropane	ND		0.00312	1	06/21/2025 16:01	WG2543788
Di-isopropyl ether	ND		0.00125	1	06/21/2025 16:01	WG2543788
Ethylbenzene	ND		0.0125	1	06/21/2025 16:01	WG2543788
Hexachloro-1,3-butadiene	ND		0.0312	1	06/21/2025 16:01	WG2543788
Isopropylbenzene	ND		0.00312	1	06/21/2025 16:01	WG2543788
p-Isopropyltoluene	ND		0.00624	1	06/21/2025 16:01	WG2543788
2-Butanone (MEK)	ND		0.125	1	06/21/2025 16:01	WG2543788
Methylene Chloride	ND		0.0312	1	06/21/2025 16:01	WG2543788
4-Methyl-2-pentanone (MIBK)	ND		0.0312	1	06/21/2025 16:01	WG2543788
Methyl tert-butyl ether	ND		0.00125	1	06/21/2025 16:01	WG2543788
n-Propylbenzene	ND		0.00624	1	06/21/2025 16:01	WG2543788
Styrene	ND		0.0156	1	06/21/2025 16:01	WG2543788
1,1,1,2-Tetrachloroethane	ND		0.00312	1	06/21/2025 16:01	WG2543788
1,1,2,2-Tetrachloroethane	ND		0.00312	1	06/21/2025 16:01	WG2543788
1,1,2-Trichlorotrifluoroethane	ND		0.00312	1	06/21/2025 16:01	WG2543788
Tetrachloroethene	ND		0.00312	1	06/21/2025 16:01	WG2543788
Toluene	ND		0.0125	1	06/21/2025 16:01	WG2543788
1,2,3-Trichlorobenzene	ND		0.0156	1	06/21/2025 16:01	WG2543788
1,2,4-Trichlorobenzene	ND		0.0156	1	06/21/2025 16:01	WG2543788
1,1,1-Trichloroethane	ND		0.00312	1	06/21/2025 16:01	WG2543788
1,1,2-Trichloroethane	ND		0.00312	1	06/21/2025 16:01	WG2543788
Trichloroethene	ND		0.00125	1	06/21/2025 16:01	WG2543788
Trichlorofluoromethane	ND		0.00312	1	06/21/2025 16:01	WG2543788
1,2,3-Trichloropropane	ND		0.0156	1	06/21/2025 16:01	WG2543788
1,2,3-Trimethylbenzene	ND		0.00624	1	06/21/2025 16:01	WG2543788
1,2,4-Trimethylbenzene	ND		0.00624	1	06/21/2025 16:01	WG2543788
1,3,5-Trimethylbenzene	ND		0.00624	1	06/21/2025 16:01	WG2543788
Vinyl chloride	ND		0.00312	1	06/21/2025 16:01	WG2543788
Xylenes, Total	ND		0.125	1	06/21/2025 16:01	WG2543788
(S) Toluene-d8	95.1		75.0-131		06/21/2025 16:01	WG2543788
(S) 4-Bromofluorobenzene	105		67.0-138		06/21/2025 16:01	WG2543788
(S) 1,2-Dichloroethane-d4	105		70.0-130		06/21/2025 16:01	WG2543788



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	23.6		22.5	5	06/30/2025 21:57	WG2547467
C28-C36 Motor Oil Range	84.8		22.5	5	06/30/2025 21:57	WG2547467
(S) o-Terphenyl	77.3		18.0-148		06/30/2025 21:57	WG2547467

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		0.0374	1	06/29/2025 01:26	WG2546484
Benzidine	ND	J4	1.88	1	06/29/2025 01:26	WG2546484
Benzo(g,h,i)perylene	0.0669		0.0374	1	06/29/2025 01:26	WG2546484
Bis(2-chlorethoxy)methane	ND		0.374	1	06/29/2025 01:26	WG2546484
Bis(2-chloroethyl)ether	ND		0.374	1	06/29/2025 01:26	WG2546484
2,2-Oxybis(1-Chloropropane)	ND		0.374	1	06/29/2025 01:26	WG2546484
4-Bromophenyl-phenylether	ND		0.374	1	06/29/2025 01:26	WG2546484
2-Chloronaphthalene	ND		0.0374	1	06/29/2025 01:26	WG2546484
4-Chlorophenyl-phenylether	ND		0.374	1	06/29/2025 01:26	WG2546484
1,2-Dichlorobenzene	ND		0.374	1	06/29/2025 01:26	WG2546484
1,3-Dichlorobenzene	ND		0.374	1	06/29/2025 01:26	WG2546484
1,4-Dichlorobenzene	ND		0.374	1	06/29/2025 01:26	WG2546484
3,3-Dichlorobenzidine	ND		0.374	1	06/29/2025 01:26	WG2546484
2,4-Dinitrotoluene	ND		0.374	1	06/29/2025 01:26	WG2546484
2,6-Dinitrotoluene	ND		0.374	1	06/29/2025 01:26	WG2546484
Hexachlorobenzene	ND		0.374	1	06/29/2025 01:26	WG2546484
Hexachloro-1,3-butadiene	ND		0.374	1	06/29/2025 01:26	WG2546484
Hexachlorocyclopentadiene	ND	C7	0.374	1	06/29/2025 01:26	WG2546484
Hexachloroethane	ND		0.374	1	06/29/2025 01:26	WG2546484
Isophorone	ND		0.374	1	06/29/2025 01:26	WG2546484
Nitrobenzene	ND		0.374	1	06/29/2025 01:26	WG2546484
n-Nitrosodimethylamine	ND		0.374	1	06/29/2025 01:26	WG2546484
n-Nitrosodiphenylamine	ND		0.374	1	06/29/2025 01:26	WG2546484
n-Nitrosodi-n-propylamine	ND		0.374	1	06/29/2025 01:26	WG2546484
Phenanthrene	0.0795		0.0374	1	06/29/2025 01:26	WG2546484
Benzylbutyl phthalate	ND		0.374	1	06/29/2025 01:26	WG2546484
Bis(2-ethylhexyl)phthalate	ND		0.374	1	06/29/2025 01:26	WG2546484
Di-n-butyl phthalate	ND		0.374	1	06/29/2025 01:26	WG2546484
Diethyl phthalate	ND		0.374	1	06/29/2025 01:26	WG2546484
Dimethyl phthalate	ND		0.374	1	06/29/2025 01:26	WG2546484
Di-n-octyl phthalate	ND		0.374	1	06/29/2025 01:26	WG2546484
1,2,4-Trichlorobenzene	ND		0.374	1	06/29/2025 01:26	WG2546484
4-Chloro-3-methylphenol	ND		0.374	1	06/29/2025 01:26	WG2546484
2-Chlorophenol	ND		0.374	1	06/29/2025 01:26	WG2546484
2,4-Dichlorophenol	ND		0.374	1	06/29/2025 01:26	WG2546484
2,4-Dimethylphenol	ND		0.374	1	06/29/2025 01:26	WG2546484
4,6-Dinitro-2-methylphenol	ND		0.374	1	06/29/2025 01:26	WG2546484
2,4-Dinitrophenol	ND		0.374	1	06/29/2025 01:26	WG2546484
2-Nitrophenol	ND		0.374	1	06/29/2025 01:26	WG2546484
4-Nitrophenol	ND		0.374	1	06/29/2025 01:26	WG2546484
Pentachlorophenol	ND		0.374	1	06/29/2025 01:26	WG2546484
Phenol	ND		0.374	1	06/29/2025 01:26	WG2546484
2,4,6-Trichlorophenol	ND		0.374	1	06/29/2025 01:26	WG2546484
(S) 2-Fluorophenol	91.1		12.0-120		06/29/2025 01:26	WG2546484
(S) Phenol-d5	87.1		10.0-120		06/29/2025 01:26	WG2546484
(S) Nitrobenzene-d5	77.6		10.0-122		06/29/2025 01:26	WG2546484
(S) 2-Fluorobiphenyl	75.5		15.0-120		06/29/2025 01:26	WG2546484
(S) 2,4,6-Tribromophenol	98.9		10.0-127		06/29/2025 01:26	WG2546484
(S) p-Terphenyl-d14	79.8		10.0-120		06/29/2025 01:26	WG2546484

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		0.0371	1	06/28/2025 18:59	WG2547471
Acenaphthene	ND		0.0371	1	06/28/2025 18:59	WG2547471
Acenaphthylene	ND		0.0371	1	06/28/2025 18:59	WG2547471
Benzo(a)anthracene	0.0731		0.00674	1	06/28/2025 18:59	WG2547471
Benzo(a)pyrene	0.0849		0.0371	1	06/28/2025 18:59	WG2547471
Benzo(b)fluoranthene	0.104		0.0371	1	06/28/2025 18:59	WG2547471
Benzo(g,h,i)perylene	0.0601		0.0371	1	06/28/2025 18:59	WG2547471
Benzo(k)fluoranthene	0.0429		0.0371	1	06/28/2025 18:59	WG2547471
Chrysene	0.112		0.0371	1	06/28/2025 18:59	WG2547471
Dibenz(a,h)anthracene	ND		0.0371	1	06/28/2025 18:59	WG2547471
Fluoranthene	0.161		0.0371	1	06/28/2025 18:59	WG2547471
Fluorene	ND		0.0371	1	06/28/2025 18:59	WG2547471
Indeno(1,2,3-cd)pyrene	0.0573		0.0371	1	06/28/2025 18:59	WG2547471
Naphthalene	0.00876		0.00337	1	06/28/2025 18:59	WG2547471
Phenanthrene	0.0689		0.0371	1	06/28/2025 18:59	WG2547471
Pyrene	0.154		0.0371	1	06/28/2025 18:59	WG2547471
1-Methylnaphthalene	ND		0.00337	1	06/28/2025 18:59	WG2547471
2-Methylnaphthalene	ND		0.0135	1	06/28/2025 18:59	WG2547471
(S) p-Terphenyl-d14	108		23.0-120		06/28/2025 18:59	WG2547471
(S) Nitrobenzene-d5	120		14.0-149		06/28/2025 18:59	WG2547471
(S) 2-Fluorobiphenyl	101		34.0-125		06/28/2025 18:59	WG2547471

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	6.13		1	07/17/2025 11:11	WG2560584

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	3720		26.1	1	06/27/2025 18:18	WG2544103

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	76.8		1	06/20/2025 15:38	WG2543246

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		13.0	1	06/26/2025 17:02	WG2544515

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	3710		130	5	06/27/2025 18:18	WG2548019

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	06/27/2025 18:25	WG2544394

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.06		1	06/26/2025 08:40	WG2547109

Sample Narrative:

L1871632-03 WG2547109: 8.06 at 24.2C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	2470	umhos/cm		10.0	1	06/26/2025 14:45	WG2547126

Sample Narrative:

L1871632-03 WG2547126: 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		26.1	1	06/23/2025 05:01	WG2544103

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	72300		1800	18	06/26/2025 23:41	WG2546217

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	6200		26.1	1	06/23/2025 12:39	WG2544343
Antimony	ND		2.61	1	06/23/2025 12:39	WG2544343
Beryllium	0.638		0.261	1	06/23/2025 12:39	WG2544343
Calcium	9420		130	1	06/23/2025 12:39	WG2544343
Chromium	9.55		1.30	1	06/23/2025 12:39	WG2544343
Cobalt	4.96		1.30	1	06/23/2025 12:39	WG2544343
Iron	8850		13.0	1	06/23/2025 12:39	WG2544343
Magnesium	3560		130	1	06/23/2025 12:39	WG2544343
Manganese	315		1.30	1	06/23/2025 12:39	WG2544343
Potassium	2380		130	1	06/23/2025 12:39	WG2544343
Sodium	2580		130	1	06/23/2025 12:39	WG2544343
Thallium	ND		2.61	1	06/23/2025 12:39	WG2544343
Vanadium	17.0		2.61	1	06/23/2025 12:39	WG2544343

1
Cp2
Tc3
Ss4
Cn5
Ds6
Sr7
Qc8
Gl9
Al10
Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.765		0.100	1	06/26/2025 14:36	WG2546205

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	13.4		0.130	5	06/23/2025 18:22	WG2544352
Barium	115		13.0	5	06/23/2025 18:22	WG2544352
Cadmium	0.461		0.130	5	06/23/2025 18:22	WG2544352
Copper	14.5		13.0	5	06/23/2025 18:22	WG2544352
Lead	59.8		13.0	5	06/23/2025 18:22	WG2544352
Nickel	ND		13.0	5	06/23/2025 18:22	WG2544352
Selenium	0.450		0.130	5	06/23/2025 18:22	WG2544352
Silver	ND		0.651	5	06/23/2025 18:22	WG2544352
Zinc	92.3		65.1	5	06/23/2025 18:22	WG2544352

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	06/21/2025 17:54	WG2543488
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	98.4		77.0-120		06/21/2025 17:54	WG2543488

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0803	1	06/21/2025 16:21	WG2543788
Acrylonitrile	ND		0.0201	1	06/21/2025 16:21	WG2543788
Benzene	ND		0.00161	1	06/21/2025 16:21	WG2543788
Bromobenzene	ND		0.0201	1	06/21/2025 16:21	WG2543788
Bromodichloromethane	ND		0.00402	1	06/21/2025 16:21	WG2543788
Bromoform	ND		0.0402	1	06/21/2025 16:21	WG2543788
Bromomethane	ND	C3	0.0201	1	06/21/2025 16:21	WG2543788
n-Butylbenzene	ND		0.0201	1	06/21/2025 16:21	WG2543788
sec-Butylbenzene	ND		0.0201	1	06/21/2025 16:21	WG2543788
tert-Butylbenzene	ND		0.00803	1	06/21/2025 16:21	WG2543788
Carbon tetrachloride	ND		0.00803	1	06/21/2025 16:21	WG2543788
Chlorobenzene	ND		0.00402	1	06/21/2025 16:21	WG2543788
Chlorodibromomethane	ND		0.00402	1	06/21/2025 16:21	WG2543788

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	06/21/2025 16:21	WG2543788
Chloroform	ND		0.00402	1	06/21/2025 16:21	WG2543788
Chloromethane	ND		0.0201	1	06/21/2025 16:21	WG2543788
2-Chlorotoluene	ND		0.00402	1	06/21/2025 16:21	WG2543788
4-Chlorotoluene	ND		0.00803	1	06/21/2025 16:21	WG2543788
1,2-Dibromo-3-Chloropropane	ND		0.0402	1	06/21/2025 16:21	WG2543788
1,2-Dibromoethane	ND		0.00402	1	06/21/2025 16:21	WG2543788
Dibromomethane	ND		0.00803	1	06/21/2025 16:21	WG2543788
1,2-Dichlorobenzene	ND		0.00803	1	06/21/2025 16:21	WG2543788
1,3-Dichlorobenzene	ND		0.00803	1	06/21/2025 16:21	WG2543788
1,4-Dichlorobenzene	ND		0.00803	1	06/21/2025 16:21	WG2543788
Dichlorodifluoromethane	ND		0.00803	1	06/21/2025 16:21	WG2543788
1,1-Dichloroethane	ND		0.00402	1	06/21/2025 16:21	WG2543788
1,2-Dichloroethane	ND		0.00402	1	06/21/2025 16:21	WG2543788
1,1-Dichloroethene	ND		0.00402	1	06/21/2025 16:21	WG2543788
cis-1,2-Dichloroethene	ND		0.00402	1	06/21/2025 16:21	WG2543788
trans-1,2-Dichloroethene	ND		0.00803	1	06/21/2025 16:21	WG2543788
1,2-Dichloropropane	ND		0.00803	1	06/21/2025 16:21	WG2543788
1,1-Dichloropropene	ND		0.00402	1	06/21/2025 16:21	WG2543788
1,3-Dichloropropane	ND		0.00803	1	06/21/2025 16:21	WG2543788
cis-1,3-Dichloropropene	ND		0.00402	1	06/21/2025 16:21	WG2543788
trans-1,3-Dichloropropene	ND		0.00803	1	06/21/2025 16:21	WG2543788
2,2-Dichloropropane	ND		0.00402	1	06/21/2025 16:21	WG2543788
Di-isopropyl ether	ND		0.00161	1	06/21/2025 16:21	WG2543788
Ethylbenzene	ND		0.0161	1	06/21/2025 16:21	WG2543788
Hexachloro-1,3-butadiene	ND		0.0402	1	06/21/2025 16:21	WG2543788
Isopropylbenzene	ND		0.00402	1	06/21/2025 16:21	WG2543788
p-Isopropyltoluene	ND		0.00803	1	06/21/2025 16:21	WG2543788
2-Butanone (MEK)	ND		0.161	1	06/21/2025 16:21	WG2543788
Methylene Chloride	ND		0.0402	1	06/21/2025 16:21	WG2543788
4-Methyl-2-pentanone (MIBK)	ND		0.0402	1	06/21/2025 16:21	WG2543788
Methyl tert-butyl ether	ND		0.00161	1	06/21/2025 16:21	WG2543788
n-Propylbenzene	ND		0.00803	1	06/21/2025 16:21	WG2543788
Styrene	ND		0.0201	1	06/21/2025 16:21	WG2543788
1,1,1,2-Tetrachloroethane	ND		0.00402	1	06/21/2025 16:21	WG2543788
1,1,2,2-Tetrachloroethane	ND		0.00402	1	06/21/2025 16:21	WG2543788
1,1,2-Trichlorotrifluoroethane	ND		0.00402	1	06/21/2025 16:21	WG2543788
Tetrachloroethene	ND		0.00402	1	06/21/2025 16:21	WG2543788
Toluene	ND		0.0161	1	06/21/2025 16:21	WG2543788
1,2,3-Trichlorobenzene	ND		0.0201	1	06/21/2025 16:21	WG2543788
1,2,4-Trichlorobenzene	ND		0.0201	1	06/21/2025 16:21	WG2543788
1,1,1-Trichloroethane	ND		0.00402	1	06/21/2025 16:21	WG2543788
1,1,2-Trichloroethane	ND		0.00402	1	06/21/2025 16:21	WG2543788
Trichloroethene	ND		0.00161	1	06/21/2025 16:21	WG2543788
Trichlorofluoromethane	ND		0.00402	1	06/21/2025 16:21	WG2543788
1,2,3-Trichloropropane	ND		0.0201	1	06/21/2025 16:21	WG2543788
1,2,3-Trimethylbenzene	ND		0.00803	1	06/21/2025 16:21	WG2543788
1,2,4-Trimethylbenzene	ND		0.00803	1	06/21/2025 16:21	WG2543788
1,3,5-Trimethylbenzene	ND		0.00803	1	06/21/2025 16:21	WG2543788
Vinyl chloride	ND		0.00402	1	06/21/2025 16:21	WG2543788
Xylenes, Total	ND		0.161	1	06/21/2025 16:21	WG2543788
(S) Toluene-d8	96.9		75.0-131		06/21/2025 16:21	WG2543788
(S) 4-Bromofluorobenzene	107		67.0-138		06/21/2025 16:21	WG2543788
(S) 1,2-Dichloroethane-d4	103		70.0-130		06/21/2025 16:21	WG2543788



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	64.6		26.1	5	06/30/2025 23:12	WG2547467
C28-C36 Motor Oil Range	344		26.1	5	06/30/2025 23:12	WG2547467
(S) o-Terphenyl	51.4		18.0-148		06/30/2025 23:12	WG2547467

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		0.0868	2	06/29/2025 02:33	WG2546484
Benzidine	ND	J4	4.35	2	06/29/2025 02:33	WG2546484
Benzo(g,h,i)perylene	ND		0.0868	2	06/29/2025 02:33	WG2546484
Bis(2-chlorethoxy)methane	ND		0.868	2	06/29/2025 02:33	WG2546484
Bis(2-chloroethyl)ether	ND		0.868	2	06/29/2025 02:33	WG2546484
2,2-Oxybis(1-Chloropropane)	ND		0.868	2	06/29/2025 02:33	WG2546484
4-Bromophenyl-phenylether	ND		0.868	2	06/29/2025 02:33	WG2546484
2-Chloronaphthalene	ND		0.0868	2	06/29/2025 02:33	WG2546484
4-Chlorophenyl-phenylether	ND		0.868	2	06/29/2025 02:33	WG2546484
1,2-Dichlorobenzene	ND		0.868	2	06/29/2025 02:33	WG2546484
1,3-Dichlorobenzene	ND		0.868	2	06/29/2025 02:33	WG2546484
1,4-Dichlorobenzene	ND		0.868	2	06/29/2025 02:33	WG2546484
3,3-Dichlorobenzidine	ND		0.868	2	06/29/2025 02:33	WG2546484
2,4-Dinitrotoluene	ND		0.868	2	06/29/2025 02:33	WG2546484
2,6-Dinitrotoluene	ND		0.868	2	06/29/2025 02:33	WG2546484
Hexachlorobenzene	ND		0.868	2	06/29/2025 02:33	WG2546484
Hexachloro-1,3-butadiene	ND		0.868	2	06/29/2025 02:33	WG2546484
Hexachlorocyclopentadiene	ND	C7	0.868	2	06/29/2025 02:33	WG2546484
Hexachloroethane	ND		0.868	2	06/29/2025 02:33	WG2546484
Isophorone	ND		0.868	2	06/29/2025 02:33	WG2546484
Nitrobenzene	ND		0.868	2	06/29/2025 02:33	WG2546484
n-Nitrosodimethylamine	ND		0.868	2	06/29/2025 02:33	WG2546484
n-Nitrosodiphenylamine	ND		0.868	2	06/29/2025 02:33	WG2546484
n-Nitrosodi-n-propylamine	ND		0.868	2	06/29/2025 02:33	WG2546484
Phenanthrene	ND		0.0868	2	06/29/2025 02:33	WG2546484
Benzylbutyl phthalate	ND		0.868	2	06/29/2025 02:33	WG2546484
Bis(2-ethylhexyl)phthalate	ND		0.868	2	06/29/2025 02:33	WG2546484
Di-n-butyl phthalate	ND		0.868	2	06/29/2025 02:33	WG2546484
Diethyl phthalate	ND		0.868	2	06/29/2025 02:33	WG2546484
Dimethyl phthalate	ND		0.868	2	06/29/2025 02:33	WG2546484
Di-n-octyl phthalate	ND		0.868	2	06/29/2025 02:33	WG2546484
1,2,4-Trichlorobenzene	ND		0.868	2	06/29/2025 02:33	WG2546484
4-Chloro-3-methylphenol	ND		0.868	2	06/29/2025 02:33	WG2546484
2-Chlorophenol	ND		0.868	2	06/29/2025 02:33	WG2546484
2,4-Dichlorophenol	ND		0.868	2	06/29/2025 02:33	WG2546484
2,4-Dimethylphenol	ND		0.868	2	06/29/2025 02:33	WG2546484
4,6-Dinitro-2-methylphenol	ND		0.868	2	06/29/2025 02:33	WG2546484
2,4-Dinitrophenol	ND		0.868	2	06/29/2025 02:33	WG2546484
2-Nitrophenol	ND		0.868	2	06/29/2025 02:33	WG2546484
4-Nitrophenol	ND		0.868	2	06/29/2025 02:33	WG2546484
Pentachlorophenol	ND		0.868	2	06/29/2025 02:33	WG2546484
Phenol	ND		0.868	2	06/29/2025 02:33	WG2546484
2,4,6-Trichlorophenol	ND		0.868	2	06/29/2025 02:33	WG2546484
(S) 2-Fluorophenol	74.5		12.0-120		06/29/2025 02:33	WG2546484
(S) Phenol-d5	74.8		10.0-120		06/29/2025 02:33	WG2546484
(S) Nitrobenzene-d5	65.2		10.0-122		06/29/2025 02:33	WG2546484
(S) 2-Fluorobiphenyl	66.2		15.0-120		06/29/2025 02:33	WG2546484
(S) 2,4,6-Tribromophenol	90.8		10.0-127		06/29/2025 02:33	WG2546484
(S) p-Terphenyl-d14	75.6		10.0-120		06/29/2025 02:33	WG2546484

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

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

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

L1871632-03 WG2546484: 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		0.0430	1	06/28/2025 15:51	WG2547471
Acenaphthene	ND		0.0430	1	06/28/2025 15:51	WG2547471
Acenaphthylene	ND		0.0430	1	06/28/2025 15:51	WG2547471
Benzo(a)anthracene	0.00937		0.00782	1	06/28/2025 15:51	WG2547471
Benzo(a)pyrene	ND		0.0430	1	06/28/2025 15:51	WG2547471
Benzo(b)fluoranthene	ND		0.0430	1	06/28/2025 15:51	WG2547471
Benzo(g,h,i)perylene	ND		0.0430	1	06/28/2025 15:51	WG2547471
Benzo(k)fluoranthene	ND		0.0430	1	06/28/2025 15:51	WG2547471
Chrysene	ND		0.0430	1	06/28/2025 15:51	WG2547471
Dibenz(a,h)anthracene	ND		0.0430	1	06/28/2025 15:51	WG2547471
Fluoranthene	ND		0.0430	1	06/28/2025 15:51	WG2547471
Fluorene	ND		0.0430	1	06/28/2025 15:51	WG2547471
Indeno(1,2,3-cd)pyrene	ND		0.0430	1	06/28/2025 15:51	WG2547471
Naphthalene	0.197		0.00391	1	06/28/2025 15:51	WG2547471
Phenanthrene	ND		0.0430	1	06/28/2025 15:51	WG2547471
Pyrene	ND		0.0430	1	06/28/2025 15:51	WG2547471
1-Methylnaphthalene	0.0188		0.00391	1	06/28/2025 15:51	WG2547471
2-Methylnaphthalene	0.0586		0.0156	1	06/28/2025 15:51	WG2547471
(S) p-Terphenyl-d14	82.2		23.0-120		06/28/2025 15:51	WG2547471
(S) Nitrobenzene-d5	89.4		14.0-149		06/28/2025 15:51	WG2547471
(S) 2-Fluorobiphenyl	85.9		34.0-125		06/28/2025 15:51	WG2547471

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	7.98		1	06/26/2025 15:05	WG2546134

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	3580		26.9	1	06/27/2025 18:20	WG2544103

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	74.4		1	06/20/2025 15:38	WG2543246

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		13.4	1	06/26/2025 17:04	WG2544515

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	3580		134	5	06/27/2025 18:20	WG2548019

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.269	1	06/27/2025 18:34	WG2544394

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.52		1	06/26/2025 08:40	WG2547109

Sample Narrative:

L1871632-04 WG2547109: 8.52 at 23.9C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	2200	umhos/cm		10.0	1	06/26/2025 14:45	WG2547126

Sample Narrative:

L1871632-04 WG2547126: 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		26.9	1	06/23/2025 05:14	WG2544103

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	27800		400	4	06/26/2025 23:41	WG2546217

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	5230		26.9	1	06/23/2025 12:44	WG2544343
Antimony	ND		2.69	1	06/23/2025 12:44	WG2544343
Beryllium	0.623		0.269	1	06/23/2025 12:44	WG2544343
Calcium	16400		134	1	06/23/2025 12:44	WG2544343
Chromium	8.25		1.34	1	06/23/2025 12:44	WG2544343
Cobalt	6.28		1.34	1	06/23/2025 12:44	WG2544343
Iron	9160		13.4	1	06/23/2025 12:44	WG2544343
Magnesium	3720		134	1	06/23/2025 12:44	WG2544343
Manganese	324		1.34	1	06/23/2025 12:44	WG2544343
Potassium	3350		134	1	06/23/2025 12:44	WG2544343
Sodium	1950		134	1	06/23/2025 12:44	WG2544343
Thallium	ND		2.69	1	06/23/2025 12:44	WG2544343
Vanadium	16.2		2.69	1	06/23/2025 12:44	WG2544343

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.829		0.100	1	06/26/2025 17:47	WG2546152

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.32		0.134	5	06/23/2025 18:32	WG2544352
Barium	110		13.4	5	06/23/2025 18:32	WG2544352
Cadmium	0.520		0.134	5	06/23/2025 18:32	WG2544352
Copper	21.3		13.4	5	06/23/2025 18:32	WG2544352
Lead	54.4		13.4	5	06/23/2025 18:32	WG2544352
Nickel	ND		13.4	5	06/23/2025 18:32	WG2544352
Selenium	0.465		0.134	5	06/23/2025 18:32	WG2544352
Silver	ND		0.672	5	06/23/2025 18:32	WG2544352
Zinc	144		67.2	5	06/23/2025 18:32	WG2544352

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		4.22	25	06/21/2025 18:18	WG2543488
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	97.9		77.0-120		06/21/2025 18:18	WG2543488

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0844	1	06/21/2025 16:41	WG2543788
Acrylonitrile	ND		0.0211	1	06/21/2025 16:41	WG2543788
Benzene	ND		0.00169	1	06/21/2025 16:41	WG2543788
Bromobenzene	ND		0.0211	1	06/21/2025 16:41	WG2543788
Bromodichloromethane	ND		0.00422	1	06/21/2025 16:41	WG2543788
Bromoform	ND		0.0422	1	06/21/2025 16:41	WG2543788
Bromomethane	ND	C3	0.0211	1	06/21/2025 16:41	WG2543788
n-Butylbenzene	ND		0.0211	1	06/21/2025 16:41	WG2543788
sec-Butylbenzene	ND		0.0211	1	06/21/2025 16:41	WG2543788
tert-Butylbenzene	ND		0.00844	1	06/21/2025 16:41	WG2543788
Carbon tetrachloride	ND		0.00844	1	06/21/2025 16:41	WG2543788
Chlorobenzene	ND		0.00422	1	06/21/2025 16:41	WG2543788
Chlorodibromomethane	ND		0.00422	1	06/21/2025 16:41	WG2543788

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		0.00844	1	06/21/2025 16:41	WG2543788
Chloroform	ND		0.00422	1	06/21/2025 16:41	WG2543788
Chloromethane	ND		0.0211	1	06/21/2025 16:41	WG2543788
2-Chlorotoluene	ND		0.00422	1	06/21/2025 16:41	WG2543788
4-Chlorotoluene	ND		0.00844	1	06/21/2025 16:41	WG2543788
1,2-Dibromo-3-Chloropropane	ND		0.0422	1	06/21/2025 16:41	WG2543788
1,2-Dibromoethane	ND		0.00422	1	06/21/2025 16:41	WG2543788
Dibromomethane	ND		0.00844	1	06/21/2025 16:41	WG2543788
1,2-Dichlorobenzene	ND		0.00844	1	06/21/2025 16:41	WG2543788
1,3-Dichlorobenzene	ND		0.00844	1	06/21/2025 16:41	WG2543788
1,4-Dichlorobenzene	ND		0.00844	1	06/21/2025 16:41	WG2543788
Dichlorodifluoromethane	ND		0.00844	1	06/21/2025 16:41	WG2543788
1,1-Dichloroethane	ND		0.00422	1	06/21/2025 16:41	WG2543788
1,2-Dichloroethane	ND		0.00422	1	06/21/2025 16:41	WG2543788
1,1-Dichloroethene	ND		0.00422	1	06/21/2025 16:41	WG2543788
cis-1,2-Dichloroethene	ND		0.00422	1	06/21/2025 16:41	WG2543788
trans-1,2-Dichloroethene	ND		0.00844	1	06/21/2025 16:41	WG2543788
1,2-Dichloropropane	ND		0.00844	1	06/21/2025 16:41	WG2543788
1,1-Dichloropropene	ND		0.00422	1	06/21/2025 16:41	WG2543788
1,3-Dichloropropane	ND		0.00844	1	06/21/2025 16:41	WG2543788
cis-1,3-Dichloropropene	ND		0.00422	1	06/21/2025 16:41	WG2543788
trans-1,3-Dichloropropene	ND		0.00844	1	06/21/2025 16:41	WG2543788
2,2-Dichloropropane	ND		0.00422	1	06/21/2025 16:41	WG2543788
Di-isopropyl ether	ND		0.00169	1	06/21/2025 16:41	WG2543788
Ethylbenzene	ND		0.0169	1	06/21/2025 16:41	WG2543788
Hexachloro-1,3-butadiene	ND		0.0422	1	06/21/2025 16:41	WG2543788
Isopropylbenzene	ND		0.00422	1	06/21/2025 16:41	WG2543788
p-Isopropyltoluene	ND		0.00844	1	06/21/2025 16:41	WG2543788
2-Butanone (MEK)	ND		0.169	1	06/21/2025 16:41	WG2543788
Methylene Chloride	ND		0.0422	1	06/21/2025 16:41	WG2543788
4-Methyl-2-pentanone (MIBK)	ND		0.0422	1	06/21/2025 16:41	WG2543788
Methyl tert-butyl ether	ND		0.00169	1	06/21/2025 16:41	WG2543788
n-Propylbenzene	ND		0.00844	1	06/21/2025 16:41	WG2543788
Styrene	ND		0.0211	1	06/21/2025 16:41	WG2543788
1,1,1,2-Tetrachloroethane	ND		0.00422	1	06/21/2025 16:41	WG2543788
1,1,2,2-Tetrachloroethane	ND		0.00422	1	06/21/2025 16:41	WG2543788
1,1,2-Trichlorotrifluoroethane	ND		0.00422	1	06/21/2025 16:41	WG2543788
Tetrachloroethene	ND		0.00422	1	06/21/2025 16:41	WG2543788
Toluene	ND		0.0169	1	06/21/2025 16:41	WG2543788
1,2,3-Trichlorobenzene	ND		0.0211	1	06/21/2025 16:41	WG2543788
1,2,4-Trichlorobenzene	ND		0.0211	1	06/21/2025 16:41	WG2543788
1,1,1-Trichloroethane	ND		0.00422	1	06/21/2025 16:41	WG2543788
1,1,2-Trichloroethane	ND		0.00422	1	06/21/2025 16:41	WG2543788
Trichloroethene	ND		0.00169	1	06/21/2025 16:41	WG2543788
Trichlorofluoromethane	ND		0.00422	1	06/21/2025 16:41	WG2543788
1,2,3-Trichloropropane	ND		0.0211	1	06/21/2025 16:41	WG2543788
1,2,3-Trimethylbenzene	ND		0.00844	1	06/21/2025 16:41	WG2543788
1,2,4-Trimethylbenzene	ND		0.00844	1	06/21/2025 16:41	WG2543788
1,3,5-Trimethylbenzene	ND		0.00844	1	06/21/2025 16:41	WG2543788
Vinyl chloride	ND		0.00422	1	06/21/2025 16:41	WG2543788
Xylenes, Total	ND		0.169	1	06/21/2025 16:41	WG2543788
(S) Toluene-d8	96.3		75.0-131		06/21/2025 16:41	WG2543788
(S) 4-Bromofluorobenzene	104		67.0-138		06/21/2025 16:41	WG2543788
(S) 1,2-Dichloroethane-d4	106		70.0-130		06/21/2025 16:41	WG2543788



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	14.5		5.38	1	06/30/2025 20:54	WG2547467
C28-C36 Motor Oil Range	25.5		5.38	1	06/30/2025 20:54	WG2547467
(S) o-Terphenyl	71.3		18.0-148		06/30/2025 20:54	WG2547467

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		0.0448	1	06/29/2025 01:04	WG2546484
Benzidine	ND	J4	2.24	1	06/29/2025 01:04	WG2546484
Benzo(g,h,i)perylene	ND		0.0448	1	06/29/2025 01:04	WG2546484
Bis(2-chlorethoxy)methane	ND		0.448	1	06/29/2025 01:04	WG2546484
Bis(2-chloroethyl)ether	ND		0.448	1	06/29/2025 01:04	WG2546484
2,2-Oxybis(1-Chloropropane)	ND		0.448	1	06/29/2025 01:04	WG2546484
4-Bromophenyl-phenylether	ND		0.448	1	06/29/2025 01:04	WG2546484
2-Chloronaphthalene	ND		0.0448	1	06/29/2025 01:04	WG2546484
4-Chlorophenyl-phenylether	ND		0.448	1	06/29/2025 01:04	WG2546484
1,2-Dichlorobenzene	ND		0.448	1	06/29/2025 01:04	WG2546484
1,3-Dichlorobenzene	ND		0.448	1	06/29/2025 01:04	WG2546484
1,4-Dichlorobenzene	ND		0.448	1	06/29/2025 01:04	WG2546484
3,3-Dichlorobenzidine	ND		0.448	1	06/29/2025 01:04	WG2546484
2,4-Dinitrotoluene	ND		0.448	1	06/29/2025 01:04	WG2546484
2,6-Dinitrotoluene	ND		0.448	1	06/29/2025 01:04	WG2546484
Hexachlorobenzene	ND		0.448	1	06/29/2025 01:04	WG2546484
Hexachloro-1,3-butadiene	ND		0.448	1	06/29/2025 01:04	WG2546484
Hexachlorocyclopentadiene	ND	C7	0.448	1	06/29/2025 01:04	WG2546484
Hexachloroethane	ND		0.448	1	06/29/2025 01:04	WG2546484
Isophorone	ND		0.448	1	06/29/2025 01:04	WG2546484
Nitrobenzene	ND		0.448	1	06/29/2025 01:04	WG2546484
n-Nitrosodimethylamine	ND		0.448	1	06/29/2025 01:04	WG2546484
n-Nitrosodiphenylamine	ND		0.448	1	06/29/2025 01:04	WG2546484
n-Nitrosodi-n-propylamine	ND		0.448	1	06/29/2025 01:04	WG2546484
Phenanthrene	ND		0.0448	1	06/29/2025 01:04	WG2546484
Benzylbutyl phthalate	ND		0.448	1	06/29/2025 01:04	WG2546484
Bis(2-ethylhexyl)phthalate	ND		0.448	1	06/29/2025 01:04	WG2546484
Di-n-butyl phthalate	ND		0.448	1	06/29/2025 01:04	WG2546484
Diethyl phthalate	ND		0.448	1	06/29/2025 01:04	WG2546484
Dimethyl phthalate	ND		0.448	1	06/29/2025 01:04	WG2546484
Di-n-octyl phthalate	ND		0.448	1	06/29/2025 01:04	WG2546484
1,2,4-Trichlorobenzene	ND		0.448	1	06/29/2025 01:04	WG2546484
4-Chloro-3-methylphenol	ND		0.448	1	06/29/2025 01:04	WG2546484
2-Chlorophenol	ND		0.448	1	06/29/2025 01:04	WG2546484
2,4-Dichlorophenol	ND		0.448	1	06/29/2025 01:04	WG2546484
2,4-Dimethylphenol	ND		0.448	1	06/29/2025 01:04	WG2546484
4,6-Dinitro-2-methylphenol	ND		0.448	1	06/29/2025 01:04	WG2546484
2,4-Dinitrophenol	ND		0.448	1	06/29/2025 01:04	WG2546484
2-Nitrophenol	ND		0.448	1	06/29/2025 01:04	WG2546484
4-Nitrophenol	ND		0.448	1	06/29/2025 01:04	WG2546484
Pentachlorophenol	ND		0.448	1	06/29/2025 01:04	WG2546484
Phenol	ND		0.448	1	06/29/2025 01:04	WG2546484
2,4,6-Trichlorophenol	ND		0.448	1	06/29/2025 01:04	WG2546484
(S) 2-Fluorophenol	71.8		12.0-120		06/29/2025 01:04	WG2546484
(S) Phenol-d5	69.8		10.0-120		06/29/2025 01:04	WG2546484
(S) Nitrobenzene-d5	68.2		10.0-122		06/29/2025 01:04	WG2546484
(S) 2-Fluorobiphenyl	62.0		15.0-120		06/29/2025 01:04	WG2546484
(S) 2,4,6-Tribromophenol	78.2		10.0-127		06/29/2025 01:04	WG2546484
(S) p-Terphenyl-d14	63.6		10.0-120		06/29/2025 01:04	WG2546484

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		0.0444	1	06/28/2025 16:08	WG2547471
Acenaphthene	ND		0.0444	1	06/28/2025 16:08	WG2547471
Acenaphthylene	ND		0.0444	1	06/28/2025 16:08	WG2547471
Benzo(a)anthracene	ND		0.00806	1	06/28/2025 16:08	WG2547471
Benzo(a)pyrene	ND		0.0444	1	06/28/2025 16:08	WG2547471
Benzo(b)fluoranthene	ND		0.0444	1	06/28/2025 16:08	WG2547471
Benzo(g,h,i)perylene	ND		0.0444	1	06/28/2025 16:08	WG2547471
Benzo(k)fluoranthene	ND		0.0444	1	06/28/2025 16:08	WG2547471
Chrysene	ND		0.0444	1	06/28/2025 16:08	WG2547471
Dibenz(a,h)anthracene	ND		0.0444	1	06/28/2025 16:08	WG2547471
Fluoranthene	ND		0.0444	1	06/28/2025 16:08	WG2547471
Fluorene	ND		0.0444	1	06/28/2025 16:08	WG2547471
Indeno(1,2,3-cd)pyrene	ND		0.0444	1	06/28/2025 16:08	WG2547471
Naphthalene	ND		0.00403	1	06/28/2025 16:08	WG2547471
Phenanthrene	ND		0.0444	1	06/28/2025 16:08	WG2547471
Pyrene	ND		0.0444	1	06/28/2025 16:08	WG2547471
1-Methylnaphthalene	ND		0.00403	1	06/28/2025 16:08	WG2547471
2-Methylnaphthalene	ND		0.0161	1	06/28/2025 16:08	WG2547471
(S) p-Terphenyl-d14	98.5		23.0-120		06/28/2025 16:08	WG2547471
(S) Nitrobenzene-d5	101		14.0-149		06/28/2025 16:08	WG2547471
(S) 2-Fluorobiphenyl	102		34.0-125		06/28/2025 16:08	WG2547471

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	06/21/2025 09:36	WG2543520
Acrolein	ND		0.0500	1	06/21/2025 09:36	WG2543520
Acrylonitrile	ND		0.0100	1	06/21/2025 09:36	WG2543520
Benzene	ND		0.00100	1	06/21/2025 09:36	WG2543520
Bromobenzene	ND		0.00100	1	06/21/2025 09:36	WG2543520
Bromodichloromethane	ND		0.00100	1	06/21/2025 09:36	WG2543520
Bromoform	ND		0.00100	1	06/21/2025 09:36	WG2543520
Bromomethane	ND		0.00500	1	06/21/2025 09:36	WG2543520
n-Butylbenzene	ND		0.00100	1	06/21/2025 09:36	WG2543520
sec-Butylbenzene	ND		0.00100	1	06/21/2025 09:36	WG2543520
tert-Butylbenzene	ND		0.00100	1	06/21/2025 09:36	WG2543520
Carbon tetrachloride	ND		0.00100	1	06/21/2025 09:36	WG2543520
Chlorobenzene	ND		0.00100	1	06/21/2025 09:36	WG2543520
Chlorodibromomethane	ND		0.00100	1	06/21/2025 09:36	WG2543520
Chloroethane	ND		0.00500	1	06/21/2025 09:36	WG2543520
Chloroform	ND		0.00500	1	06/21/2025 09:36	WG2543520
Chloromethane	ND		0.00250	1	06/21/2025 09:36	WG2543520
2-Chlorotoluene	ND		0.00100	1	06/21/2025 09:36	WG2543520
4-Chlorotoluene	ND		0.00100	1	06/21/2025 09:36	WG2543520
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	06/21/2025 09:36	WG2543520
1,2-Dibromoethane	ND		0.00100	1	06/21/2025 09:36	WG2543520
Dibromomethane	ND		0.00100	1	06/21/2025 09:36	WG2543520
1,2-Dichlorobenzene	ND		0.00100	1	06/21/2025 09:36	WG2543520
1,3-Dichlorobenzene	ND		0.00100	1	06/21/2025 09:36	WG2543520
1,4-Dichlorobenzene	ND		0.00100	1	06/21/2025 09:36	WG2543520
Dichlorodifluoromethane	ND	J3	0.00500	1	06/21/2025 09:36	WG2543520
1,1-Dichloroethane	ND		0.00100	1	06/21/2025 09:36	WG2543520
1,2-Dichloroethane	ND		0.00100	1	06/21/2025 09:36	WG2543520
1,1-Dichloroethene	ND		0.00100	1	06/21/2025 09:36	WG2543520
cis-1,2-Dichloroethene	ND		0.00100	1	06/21/2025 09:36	WG2543520
trans-1,2-Dichloroethene	ND		0.00100	1	06/21/2025 09:36	WG2543520
1,2-Dichloropropane	ND		0.00100	1	06/21/2025 09:36	WG2543520
1,1-Dichloropropene	ND		0.00100	1	06/21/2025 09:36	WG2543520
1,3-Dichloropropane	ND		0.00100	1	06/21/2025 09:36	WG2543520
cis-1,3-Dichloropropene	ND		0.00100	1	06/21/2025 09:36	WG2543520
trans-1,3-Dichloropropene	ND		0.00100	1	06/21/2025 09:36	WG2543520
2,2-Dichloropropane	ND		0.00100	1	06/21/2025 09:36	WG2543520
Di-isopropyl ether	ND		0.00100	1	06/21/2025 09:36	WG2543520
Ethylbenzene	ND		0.00100	1	06/21/2025 09:36	WG2543520
Hexachloro-1,3-butadiene	ND		0.00100	1	06/21/2025 09:36	WG2543520
Isopropylbenzene	ND		0.00100	1	06/21/2025 09:36	WG2543520
p-Isopropyltoluene	ND		0.00100	1	06/21/2025 09:36	WG2543520
2-Butanone (MEK)	ND		0.0100	1	06/21/2025 09:36	WG2543520
Methylene Chloride	ND		0.00500	1	06/21/2025 09:36	WG2543520
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	06/21/2025 09:36	WG2543520
Methyl tert-butyl ether	ND		0.00100	1	06/21/2025 09:36	WG2543520
Naphthalene	ND		0.00500	1	06/21/2025 09:36	WG2543520
n-Propylbenzene	ND		0.00100	1	06/21/2025 09:36	WG2543520
Styrene	ND		0.00100	1	06/21/2025 09:36	WG2543520
1,1,1,2-Tetrachloroethane	ND		0.00100	1	06/21/2025 09:36	WG2543520
1,1,2,2-Tetrachloroethane	ND		0.00100	1	06/21/2025 09:36	WG2543520
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	06/21/2025 09:36	WG2543520
Tetrachloroethene	ND		0.00100	1	06/21/2025 09:36	WG2543520
Toluene	ND		0.00100	1	06/21/2025 09:36	WG2543520
1,2,3-Trichlorobenzene	ND		0.00100	1	06/21/2025 09:36	WG2543520
1,2,4-Trichlorobenzene	ND		0.00100	1	06/21/2025 09:36	WG2543520



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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00100	1	06/21/2025 09:36	WG2543520
1,1,2-Trichloroethane	ND		0.00100	1	06/21/2025 09:36	WG2543520
Trichloroethene	ND		0.00100	1	06/21/2025 09:36	WG2543520
Trichlorofluoromethane	ND		0.00500	1	06/21/2025 09:36	WG2543520
1,2,3-Trichloropropane	ND		0.00250	1	06/21/2025 09:36	WG2543520
1,2,4-Trimethylbenzene	ND		0.00100	1	06/21/2025 09:36	WG2543520
1,2,3-Trimethylbenzene	ND		0.00100	1	06/21/2025 09:36	WG2543520
1,3,5-Trimethylbenzene	ND		0.00100	1	06/21/2025 09:36	WG2543520
Vinyl chloride	ND		0.00100	1	06/21/2025 09:36	WG2543520
Xylenes, Total	ND		0.00300	1	06/21/2025 09:36	WG2543520
(S) Toluene-d8	101		80.0-120		06/21/2025 09:36	WG2543520
(S) 4-Bromofluorobenzene	96.5		77.0-126		06/21/2025 09:36	WG2543520
(S) 1,2-Dichloroethane-d4	107		70.0-130		06/21/2025 09:36	WG2543520

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.60		1	06/26/2025 15:07	WG2546134

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1460		23.8	1	06/27/2025 18:52	WG2544103

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.4		1	06/20/2025 15:38	WG2543246

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND	J4	11.6	1	06/26/2025 17:25	WG2547032

Sample Narrative:

L1871632-06 WG2547032: LCS failed high by 1%. Result is BDL.

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	1460		116	5	06/27/2025 18:52	WG2548019

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND	J6	0.231	1	06/27/2025 18:43	WG2544394

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.63		1	06/26/2025 08:40	WG2547109

Sample Narrative:

L1871632-06 WG2547109: 7.63 at 24.2C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	666	umhos/cm		10.0	1	06/26/2025 14:45	WG2547126

Sample Narrative:

L1871632-06 WG2547126: 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		23.8	1.03	06/23/2025 05:28	WG2544103



Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	5380		500	5	06/26/2025 23:41	WG2546217

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	4880	J3 V	23.1	1	06/23/2025 12:27	WG2544343
Antimony	ND	J6	2.31	1	06/23/2025 12:27	WG2544343
Beryllium	0.556		0.231	1	06/23/2025 12:27	WG2544343
Calcium	7260	J3 V	116	1	06/23/2025 12:27	WG2544343
Chromium	6.03		1.16	1	06/23/2025 12:27	WG2544343
Cobalt	4.15		1.16	1	06/23/2025 12:27	WG2544343
Iron	7770	J3 V	11.6	1	06/23/2025 12:27	WG2544343
Magnesium	2320	J3 J6	116	1	06/23/2025 12:27	WG2544343
Manganese	211	J3 J6	1.16	1	06/23/2025 12:27	WG2544343
Potassium	1580	J3 J6	116	1	06/23/2025 12:27	WG2544343
Sodium	138		116	1	06/23/2025 12:27	WG2544343
Thallium	ND		2.31	1	06/23/2025 12:27	WG2544343
Vanadium	14.7		2.31	1	06/23/2025 12:27	WG2544343

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.727		0.100	1	06/26/2025 17:50	WG2546152

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.44	O1	0.116	5	06/23/2025 18:00	WG2544352
Barium	76.4	J3 J6	11.6	5	06/23/2025 18:00	WG2544352
Cadmium	0.320		0.116	5	06/23/2025 18:00	WG2544352
Copper	14.9		11.6	5	06/23/2025 18:00	WG2544352
Lead	24.5		11.6	5	06/23/2025 18:00	WG2544352
Nickel	ND		11.6	5	06/23/2025 18:00	WG2544352
Selenium	0.326		0.116	5	06/23/2025 18:00	WG2544352
Silver	ND		0.579	5	06/23/2025 18:00	WG2544352
Zinc	69.5	J6	57.9	5	06/23/2025 18:00	WG2544352

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	06/21/2025 18:41	WG2543488
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	97.9		77.0-120		06/21/2025 18:41	WG2543488

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0657	1	06/21/2025 17:02	WG2543788
Acrylonitrile	ND		0.0164	1	06/21/2025 17:02	WG2543788
Benzene	ND		0.00131	1	06/21/2025 17:02	WG2543788
Bromobenzene	ND		0.0164	1	06/21/2025 17:02	WG2543788
Bromodichloromethane	ND		0.00329	1	06/21/2025 17:02	WG2543788
Bromoform	ND		0.0329	1	06/21/2025 17:02	WG2543788
Bromomethane	ND	C3	0.0164	1	06/21/2025 17:02	WG2543788
n-Butylbenzene	ND		0.0164	1	06/21/2025 17:02	WG2543788



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
sec-Butylbenzene	ND		0.0164	1	06/21/2025 17:02	WG2543788
tert-Butylbenzene	ND		0.00657	1	06/21/2025 17:02	WG2543788
Carbon tetrachloride	ND		0.00657	1	06/21/2025 17:02	WG2543788
Chlorobenzene	ND		0.00329	1	06/21/2025 17:02	WG2543788
Chlorodibromomethane	ND		0.00329	1	06/21/2025 17:02	WG2543788
Chloroethane	ND		0.00657	1	06/21/2025 17:02	WG2543788
Chloroform	ND		0.00329	1	06/21/2025 17:02	WG2543788
Chloromethane	ND		0.0164	1	06/21/2025 17:02	WG2543788
2-Chlorotoluene	ND		0.00329	1	06/21/2025 17:02	WG2543788
4-Chlorotoluene	ND		0.00657	1	06/21/2025 17:02	WG2543788
1,2-Dibromo-3-Chloropropane	ND		0.0329	1	06/21/2025 17:02	WG2543788
1,2-Dibromoethane	ND		0.00329	1	06/21/2025 17:02	WG2543788
Dibromomethane	ND		0.00657	1	06/21/2025 17:02	WG2543788
1,2-Dichlorobenzene	ND		0.00657	1	06/21/2025 17:02	WG2543788
1,3-Dichlorobenzene	ND		0.00657	1	06/21/2025 17:02	WG2543788
1,4-Dichlorobenzene	ND		0.00657	1	06/21/2025 17:02	WG2543788
Dichlorodifluoromethane	ND		0.00657	1	06/21/2025 17:02	WG2543788
1,1-Dichloroethane	ND		0.00329	1	06/21/2025 17:02	WG2543788
1,2-Dichloroethane	ND		0.00329	1	06/21/2025 17:02	WG2543788
1,1-Dichloroethene	ND		0.00329	1	06/21/2025 17:02	WG2543788
cis-1,2-Dichloroethene	ND		0.00329	1	06/21/2025 17:02	WG2543788
trans-1,2-Dichloroethene	ND		0.00657	1	06/21/2025 17:02	WG2543788
1,2-Dichloropropane	ND		0.00657	1	06/21/2025 17:02	WG2543788
1,1-Dichloropropene	ND		0.00329	1	06/21/2025 17:02	WG2543788
1,3-Dichloropropane	ND		0.00657	1	06/21/2025 17:02	WG2543788
cis-1,3-Dichloropropene	ND		0.00329	1	06/21/2025 17:02	WG2543788
trans-1,3-Dichloropropene	ND		0.00657	1	06/21/2025 17:02	WG2543788
2,2-Dichloropropane	ND		0.00329	1	06/21/2025 17:02	WG2543788
Di-isopropyl ether	ND		0.00131	1	06/21/2025 17:02	WG2543788
Ethylbenzene	ND		0.0131	1	06/21/2025 17:02	WG2543788
Hexachloro-1,3-butadiene	ND		0.0329	1	06/21/2025 17:02	WG2543788
Isopropylbenzene	ND		0.00329	1	06/21/2025 17:02	WG2543788
p-Isopropyltoluene	ND		0.00657	1	06/21/2025 17:02	WG2543788
2-Butanone (MEK)	ND		0.131	1	06/21/2025 17:02	WG2543788
Methylene Chloride	ND		0.0329	1	06/21/2025 17:02	WG2543788
4-Methyl-2-pentanone (MIBK)	ND		0.0329	1	06/21/2025 17:02	WG2543788
Methyl tert-butyl ether	ND		0.00131	1	06/21/2025 17:02	WG2543788
n-Propylbenzene	ND		0.00657	1	06/21/2025 17:02	WG2543788
Styrene	ND		0.0164	1	06/21/2025 17:02	WG2543788
1,1,1,2-Tetrachloroethane	ND		0.00329	1	06/21/2025 17:02	WG2543788
1,1,2,2-Tetrachloroethane	ND		0.00329	1	06/21/2025 17:02	WG2543788
1,1,2-Trichlorotrifluoroethane	ND		0.00329	1	06/21/2025 17:02	WG2543788
Tetrachloroethene	ND		0.00329	1	06/21/2025 17:02	WG2543788
Toluene	ND		0.0131	1	06/21/2025 17:02	WG2543788
1,2,3-Trichlorobenzene	ND		0.0164	1	06/21/2025 17:02	WG2543788
1,2,4-Trichlorobenzene	ND		0.0164	1	06/21/2025 17:02	WG2543788
1,1,1-Trichloroethane	ND		0.00329	1	06/21/2025 17:02	WG2543788
1,1,2-Trichloroethane	ND		0.00329	1	06/21/2025 17:02	WG2543788
Trichloroethene	ND		0.00131	1	06/21/2025 17:02	WG2543788
Trichlorofluoromethane	ND		0.00329	1	06/21/2025 17:02	WG2543788
1,2,3-Trichloropropane	ND		0.0164	1	06/21/2025 17:02	WG2543788
1,2,3-Trimethylbenzene	ND		0.00657	1	06/21/2025 17:02	WG2543788
1,2,4-Trimethylbenzene	ND		0.00657	1	06/21/2025 17:02	WG2543788
1,3,5-Trimethylbenzene	ND		0.00657	1	06/21/2025 17:02	WG2543788
Vinyl chloride	ND		0.00329	1	06/21/2025 17:02	WG2543788
Xylenes, Total	ND		0.131	1	06/21/2025 17:02	WG2543788



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) Toluene-d8	96.0		75.0-131		06/21/2025 17:02	WG2543788
(S) 4-Bromofluorobenzene	105		67.0-138		06/21/2025 17:02	WG2543788
(S) 1,2-Dichloroethane-d4	107		70.0-130		06/21/2025 17:02	WG2543788

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	13.4		4.63	1	06/30/2025 20:29	WG2547467
C28-C36 Motor Oil Range	53.2		4.63	1	06/30/2025 20:29	WG2547467
(S) o-Terphenyl	60.5		18.0-148		06/30/2025 20:29	WG2547467

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		0.0385	1	06/29/2025 12:48	WG2547441
Benzidine	ND	J4 J6	1.93	1	06/29/2025 12:48	WG2547441
Benzo(g,h,i)perylene	ND		0.0385	1	06/29/2025 12:48	WG2547441
Bis(2-chlorethoxy)methane	ND		0.385	1	06/29/2025 12:48	WG2547441
Bis(2-chloroethyl)ether	ND	C7	0.385	1	06/29/2025 12:48	WG2547441
2,2-Oxybis(1-Chloropropane)	ND		0.385	1	06/29/2025 12:48	WG2547441
4-Bromophenyl-phenylether	ND		0.385	1	06/29/2025 12:48	WG2547441
2-Chloronaphthalene	ND		0.0385	1	06/29/2025 12:48	WG2547441
4-Chlorophenyl-phenylether	ND		0.385	1	06/29/2025 12:48	WG2547441
1,2-Dichlorobenzene	ND		0.385	1	06/29/2025 12:48	WG2547441
1,3-Dichlorobenzene	ND		0.385	1	06/29/2025 12:48	WG2547441
1,4-Dichlorobenzene	ND		0.385	1	06/29/2025 12:48	WG2547441
3,3-Dichlorobenzidine	ND		0.385	1	06/29/2025 12:48	WG2547441
2,4-Dinitrotoluene	ND		0.385	1	06/29/2025 12:48	WG2547441
2,6-Dinitrotoluene	ND		0.385	1	06/29/2025 12:48	WG2547441
Hexachlorobenzene	ND	C3	0.385	1	06/29/2025 12:48	WG2547441
Hexachloro-1,3-butadiene	ND		0.385	1	06/29/2025 12:48	WG2547441
Hexachlorocyclopentadiene	ND	C3 J3 J6	0.385	1	06/29/2025 12:48	WG2547441
Hexachloroethane	ND		0.385	1	06/29/2025 12:48	WG2547441
Isophorone	ND		0.385	1	06/29/2025 12:48	WG2547441
Nitrobenzene	ND		0.385	1	06/29/2025 12:48	WG2547441
n-Nitrosodimethylamine	ND		0.385	1	06/29/2025 12:48	WG2547441
n-Nitrosodiphenylamine	ND		0.385	1	06/29/2025 12:48	WG2547441
n-Nitrosodi-n-propylamine	ND		0.385	1	06/29/2025 12:48	WG2547441
Phenanthrene	ND		0.0385	1	06/29/2025 12:48	WG2547441
Benzylbutyl phthalate	ND		0.385	1	06/29/2025 12:48	WG2547441
Bis(2-ethylhexyl)phthalate	ND		0.385	1	06/29/2025 12:48	WG2547441
Di-n-butyl phthalate	ND		0.385	1	06/29/2025 12:48	WG2547441
Diethyl phthalate	ND		0.385	1	06/29/2025 12:48	WG2547441
Dimethyl phthalate	ND		0.385	1	06/29/2025 12:48	WG2547441
Di-n-octyl phthalate	ND		0.385	1	06/29/2025 12:48	WG2547441
1,2,4-Trichlorobenzene	ND		0.385	1	06/29/2025 12:48	WG2547441
4-Chloro-3-methylphenol	ND		0.385	1	06/29/2025 12:48	WG2547441
2-Chlorophenol	ND		0.385	1	06/29/2025 12:48	WG2547441
2,4-Dichlorophenol	ND		0.385	1	06/29/2025 12:48	WG2547441
2,4-Dimethylphenol	ND		0.385	1	06/29/2025 12:48	WG2547441
4,6-Dinitro-2-methylphenol	ND		0.385	1	06/29/2025 12:48	WG2547441
2,4-Dinitrophenol	ND		0.385	1	06/29/2025 12:48	WG2547441
2-Nitrophenol	ND		0.385	1	06/29/2025 12:48	WG2547441
4-Nitrophenol	ND		0.385	1	06/29/2025 12:48	WG2547441
Pentachlorophenol	ND		0.385	1	06/29/2025 12:48	WG2547441

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Phenol	ND	J3	0.385	1	06/29/2025 12:48	WG2547441
2,4,6-Trichlorophenol	ND		0.385	1	06/29/2025 12:48	WG2547441
(S) 2-Fluorophenol	69.8		12.0-120		06/29/2025 12:48	WG2547441
(S) Phenol-d5	68.0		10.0-120		06/29/2025 12:48	WG2547441
(S) Nitrobenzene-d5	69.7		10.0-122		06/29/2025 12:48	WG2547441
(S) 2-Fluorobiphenyl	54.8		15.0-120		06/29/2025 12:48	WG2547441
(S) 2,4,6-Tribromophenol	41.2		10.0-127		06/29/2025 12:48	WG2547441
(S) p-Terphenyl-d14	61.6		10.0-120		06/29/2025 12:48	WG2547441

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	06/28/2025 17:18	WG2547471
Acenaphthene	ND		0.0382	1	06/28/2025 17:18	WG2547471
Acenaphthylene	ND		0.0382	1	06/28/2025 17:18	WG2547471
Benzo(a)anthracene	0.0183		0.00694	1	06/28/2025 17:18	WG2547471
Benzo(a)pyrene	ND		0.0382	1	06/28/2025 17:18	WG2547471
Benzo(b)fluoranthene	ND		0.0382	1	06/28/2025 17:18	WG2547471
Benzo(g,h,i)perylene	ND		0.0382	1	06/28/2025 17:18	WG2547471
Benzo(k)fluoranthene	ND		0.0382	1	06/28/2025 17:18	WG2547471
Chrysene	ND		0.0382	1	06/28/2025 17:18	WG2547471
Dibenz(a,h)anthracene	ND		0.0382	1	06/28/2025 17:18	WG2547471
Fluoranthene	ND		0.0382	1	06/28/2025 17:18	WG2547471
Fluorene	ND		0.0382	1	06/28/2025 17:18	WG2547471
Indeno(1,2,3-cd)pyrene	ND		0.0382	1	06/28/2025 17:18	WG2547471
Naphthalene	ND		0.00347	1	06/28/2025 17:18	WG2547471
Phenanthrene	ND		0.0382	1	06/28/2025 17:18	WG2547471
Pyrene	ND		0.0382	1	06/28/2025 17:18	WG2547471
1-Methylnaphthalene	ND		0.00347	1	06/28/2025 17:18	WG2547471
2-Methylnaphthalene	ND		0.0139	1	06/28/2025 17:18	WG2547471
(S) p-Terphenyl-d14	96.0		23.0-120		06/28/2025 17:18	WG2547471
(S) Nitrobenzene-d5	99.8		14.0-149		06/28/2025 17:18	WG2547471
(S) 2-Fluorobiphenyl	99.3		34.0-125		06/28/2025 17:18	WG2547471

¹ Cp² Tc³ Ss⁴ Cn⁵ Ds⁶ Sr⁷ Qc⁸ Gl⁹ Al¹⁰ Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	7.85		1	06/26/2025 15:09	WG2546134

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1960		25.6	1	06/27/2025 18:31	WG2544103

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	78.1		1	06/20/2025 16:48	WG2543290

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		12.8	1	06/26/2025 17:06	WG2544515

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	1960		128	5	06/27/2025 18:31	WG2548019

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.256	1	06/24/2025 01:48	WG2544395

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.11		1	06/26/2025 08:40	WG2547109

Sample Narrative:

L1871632-07 WG2547109: 8.11 at 23.8C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	2720	umhos/cm		10.0	1	06/26/2025 14:45	WG2547126

Sample Narrative:

L1871632-07 WG2547126: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		25.6	1	06/23/2025 06:08	WG2544103

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	37300		500	5	06/26/2025 23:43	WG2546217

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	3850		25.6	1	06/23/2025 12:46	WG2544343
Antimony	ND		2.56	1	06/23/2025 12:46	WG2544343
Beryllium	0.806		0.256	1	06/23/2025 12:46	WG2544343
Calcium	9390		128	1	06/23/2025 12:46	WG2544343
Chromium	6.36		1.28	1	06/23/2025 12:46	WG2544343
Cobalt	4.96		1.28	1	06/23/2025 12:46	WG2544343
Iron	7330		12.8	1	06/23/2025 12:46	WG2544343
Magnesium	2780		128	1	06/23/2025 12:46	WG2544343
Manganese	148		1.28	1	06/23/2025 12:46	WG2544343
Potassium	1340		128	1	06/23/2025 12:46	WG2544343
Sodium	1890		128	1	06/23/2025 12:46	WG2544343
Thallium	ND		2.56	1	06/23/2025 12:46	WG2544343
Vanadium	16.3		2.56	1	06/23/2025 12:46	WG2544343

1
Cp2
Tc3
Ss4
Cn5
Ds6
Sr7
Qc8
Gl9
Al10
Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.632		0.100	1	06/26/2025 17:53	WG2546152

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.48		0.128	5	06/23/2025 18:35	WG2544352
Barium	101		12.8	5	06/23/2025 18:35	WG2544352
Cadmium	0.300		0.128	5	06/23/2025 18:35	WG2544352
Copper	17.3		12.8	5	06/23/2025 18:35	WG2544352
Lead	14.2		12.8	5	06/23/2025 18:35	WG2544352
Nickel	ND		12.8	5	06/23/2025 18:35	WG2544352
Selenium	0.393		0.128	5	06/23/2025 18:35	WG2544352
Silver	ND		0.640	5	06/23/2025 18:35	WG2544352
Zinc	64.6		64.0	5	06/23/2025 18:35	WG2544352

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		3.91	25	06/21/2025 19:05	WG2543488
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	98.1		77.0-120		06/21/2025 19:05	WG2543488

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0781	1	06/21/2025 17:22	WG2543788
Acrylonitrile	ND		0.0195	1	06/21/2025 17:22	WG2543788
Benzene	ND		0.00156	1	06/21/2025 17:22	WG2543788
Bromobenzene	ND		0.0195	1	06/21/2025 17:22	WG2543788
Bromodichloromethane	ND		0.00391	1	06/21/2025 17:22	WG2543788
Bromoform	ND		0.0391	1	06/21/2025 17:22	WG2543788
Bromomethane	ND	C3	0.0195	1	06/21/2025 17:22	WG2543788
n-Butylbenzene	ND		0.0195	1	06/21/2025 17:22	WG2543788
sec-Butylbenzene	ND		0.0195	1	06/21/2025 17:22	WG2543788
tert-Butylbenzene	ND		0.00781	1	06/21/2025 17:22	WG2543788
Carbon tetrachloride	ND		0.00781	1	06/21/2025 17:22	WG2543788
Chlorobenzene	ND		0.00391	1	06/21/2025 17:22	WG2543788
Chlorodibromomethane	ND		0.00391	1	06/21/2025 17:22	WG2543788

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND		0.00781	1	06/21/2025 17:22	WG2543788
Chloroform	ND		0.00391	1	06/21/2025 17:22	WG2543788
Chloromethane	ND		0.0195	1	06/21/2025 17:22	WG2543788
2-Chlorotoluene	ND		0.00391	1	06/21/2025 17:22	WG2543788
4-Chlorotoluene	ND		0.00781	1	06/21/2025 17:22	WG2543788
1,2-Dibromo-3-Chloropropane	ND		0.0391	1	06/21/2025 17:22	WG2543788
1,2-Dibromoethane	ND		0.00391	1	06/21/2025 17:22	WG2543788
Dibromomethane	ND		0.00781	1	06/21/2025 17:22	WG2543788
1,2-Dichlorobenzene	ND		0.00781	1	06/21/2025 17:22	WG2543788
1,3-Dichlorobenzene	ND		0.00781	1	06/21/2025 17:22	WG2543788
1,4-Dichlorobenzene	ND		0.00781	1	06/21/2025 17:22	WG2543788
Dichlorodifluoromethane	ND		0.00781	1	06/21/2025 17:22	WG2543788
1,1-Dichloroethane	ND		0.00391	1	06/21/2025 17:22	WG2543788
1,2-Dichloroethane	ND		0.00391	1	06/21/2025 17:22	WG2543788
1,1-Dichloroethene	ND		0.00391	1	06/21/2025 17:22	WG2543788
cis-1,2-Dichloroethene	ND		0.00391	1	06/21/2025 17:22	WG2543788
trans-1,2-Dichloroethene	ND		0.00781	1	06/21/2025 17:22	WG2543788
1,2-Dichloropropane	ND		0.00781	1	06/21/2025 17:22	WG2543788
1,1-Dichloropropene	ND		0.00391	1	06/21/2025 17:22	WG2543788
1,3-Dichloropropane	ND		0.00781	1	06/21/2025 17:22	WG2543788
cis-1,3-Dichloropropene	ND		0.00391	1	06/21/2025 17:22	WG2543788
trans-1,3-Dichloropropene	ND		0.00781	1	06/21/2025 17:22	WG2543788
2,2-Dichloropropane	ND		0.00391	1	06/21/2025 17:22	WG2543788
Di-isopropyl ether	ND		0.00156	1	06/21/2025 17:22	WG2543788
Ethylbenzene	ND		0.0156	1	06/21/2025 17:22	WG2543788
Hexachloro-1,3-butadiene	ND		0.0391	1	06/21/2025 17:22	WG2543788
Isopropylbenzene	ND		0.00391	1	06/21/2025 17:22	WG2543788
p-Isopropyltoluene	ND		0.00781	1	06/21/2025 17:22	WG2543788
2-Butanone (MEK)	ND		0.156	1	06/21/2025 17:22	WG2543788
Methylene Chloride	ND		0.0391	1	06/21/2025 17:22	WG2543788
4-Methyl-2-pentanone (MIBK)	ND		0.0391	1	06/21/2025 17:22	WG2543788
Methyl tert-butyl ether	ND		0.00156	1	06/21/2025 17:22	WG2543788
n-Propylbenzene	ND		0.00781	1	06/21/2025 17:22	WG2543788
Styrene	ND		0.0195	1	06/21/2025 17:22	WG2543788
1,1,1,2-Tetrachloroethane	ND		0.00391	1	06/21/2025 17:22	WG2543788
1,1,2,2-Tetrachloroethane	ND		0.00391	1	06/21/2025 17:22	WG2543788
1,1,2-Trichlorotrifluoroethane	ND		0.00391	1	06/21/2025 17:22	WG2543788
Tetrachloroethene	ND		0.00391	1	06/21/2025 17:22	WG2543788
Toluene	ND		0.0156	1	06/21/2025 17:22	WG2543788
1,2,3-Trichlorobenzene	ND		0.0195	1	06/21/2025 17:22	WG2543788
1,2,4-Trichlorobenzene	ND		0.0195	1	06/21/2025 17:22	WG2543788
1,1,1-Trichloroethane	ND		0.00391	1	06/21/2025 17:22	WG2543788
1,1,2-Trichloroethane	ND		0.00391	1	06/21/2025 17:22	WG2543788
Trichloroethene	ND		0.00156	1	06/21/2025 17:22	WG2543788
Trichlorofluoromethane	ND		0.00391	1	06/21/2025 17:22	WG2543788
1,2,3-Trichloropropane	ND		0.0195	1	06/21/2025 17:22	WG2543788
1,2,3-Trimethylbenzene	ND		0.00781	1	06/21/2025 17:22	WG2543788
1,2,4-Trimethylbenzene	ND		0.00781	1	06/21/2025 17:22	WG2543788
1,3,5-Trimethylbenzene	ND		0.00781	1	06/21/2025 17:22	WG2543788
Vinyl chloride	ND		0.00391	1	06/21/2025 17:22	WG2543788
Xylenes, Total	ND		0.156	1	06/21/2025 17:22	WG2543788
(S) Toluene-d8	95.4		75.0-131		06/21/2025 17:22	WG2543788
(S) 4-Bromofluorobenzene	107		67.0-138		06/21/2025 17:22	WG2543788
(S) 1,2-Dichloroethane-d4	103		70.0-130		06/21/2025 17:22	WG2543788

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	13.3		5.12	1	06/30/2025 20:04	WG2547467
C28-C36 Motor Oil Range	46.9		5.12	1	06/30/2025 20:04	WG2547467
(S) o-Terphenyl	61.5		18.0-148		06/30/2025 20:04	WG2547467

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		0.0426	1	06/28/2025 21:16	WG2546486
Benzidine	ND	J4	2.14	1	06/28/2025 21:16	WG2546486
Benzo(g,h,i)perylene	ND		0.0426	1	06/28/2025 21:16	WG2546486
Bis(2-chlorethoxy)methane	ND		0.426	1	06/28/2025 21:16	WG2546486
Bis(2-chloroethyl)ether	ND	C7	0.426	1	06/28/2025 21:16	WG2546486
2,2-Oxybis(1-Chloropropane)	ND		0.426	1	06/28/2025 21:16	WG2546486
4-Bromophenyl-phenylether	ND		0.426	1	06/28/2025 21:16	WG2546486
2-Chloronaphthalene	ND		0.0426	1	06/28/2025 21:16	WG2546486
4-Chlorophenyl-phenylether	ND		0.426	1	06/28/2025 21:16	WG2546486
1,2-Dichlorobenzene	ND		0.426	1	06/28/2025 21:16	WG2546486
1,3-Dichlorobenzene	ND		0.426	1	06/28/2025 21:16	WG2546486
1,4-Dichlorobenzene	ND		0.426	1	06/28/2025 21:16	WG2546486
3,3-Dichlorobenzidine	ND		0.426	1	06/28/2025 21:16	WG2546486
2,4-Dinitrotoluene	ND		0.426	1	06/28/2025 21:16	WG2546486
2,6-Dinitrotoluene	ND		0.426	1	06/28/2025 21:16	WG2546486
Hexachlorobenzene	ND	C3	0.426	1	06/28/2025 21:16	WG2546486
Hexachloro-1,3-butadiene	ND		0.426	1	06/28/2025 21:16	WG2546486
Hexachlorocyclopentadiene	ND	C3	0.426	1	06/28/2025 21:16	WG2546486
Hexachloroethane	ND		0.426	1	06/28/2025 21:16	WG2546486
Isophorone	ND		0.426	1	06/28/2025 21:16	WG2546486
Nitrobenzene	ND		0.426	1	06/28/2025 21:16	WG2546486
n-Nitrosodimethylamine	ND		0.426	1	06/28/2025 21:16	WG2546486
n-Nitrosodiphenylamine	ND		0.426	1	06/28/2025 21:16	WG2546486
n-Nitrosodi-n-propylamine	ND		0.426	1	06/28/2025 21:16	WG2546486
Phenanthrene	ND		0.0426	1	06/28/2025 21:16	WG2546486
Benzylbutyl phthalate	ND		0.426	1	06/28/2025 21:16	WG2546486
Bis(2-ethylhexyl)phthalate	ND		0.426	1	06/28/2025 21:16	WG2546486
Di-n-butyl phthalate	ND		0.426	1	06/28/2025 21:16	WG2546486
Diethyl phthalate	ND		0.426	1	06/28/2025 21:16	WG2546486
Dimethyl phthalate	ND		0.426	1	06/28/2025 21:16	WG2546486
Di-n-octyl phthalate	ND		0.426	1	06/28/2025 21:16	WG2546486
1,2,4-Trichlorobenzene	ND		0.426	1	06/28/2025 21:16	WG2546486
4-Chloro-3-methylphenol	ND		0.426	1	06/28/2025 21:16	WG2546486
2-Chlorophenol	ND		0.426	1	06/28/2025 21:16	WG2546486
2,4-Dichlorophenol	ND		0.426	1	06/28/2025 21:16	WG2546486
2,4-Dimethylphenol	ND		0.426	1	06/28/2025 21:16	WG2546486
4,6-Dinitro-2-methylphenol	ND		0.426	1	06/28/2025 21:16	WG2546486
2,4-Dinitrophenol	ND		0.426	1	06/28/2025 21:16	WG2546486
2-Nitrophenol	ND		0.426	1	06/28/2025 21:16	WG2546486
4-Nitrophenol	ND		0.426	1	06/28/2025 21:16	WG2546486
Pentachlorophenol	ND		0.426	1	06/28/2025 21:16	WG2546486
Phenol	ND		0.426	1	06/28/2025 21:16	WG2546486
2,4,6-Trichlorophenol	ND		0.426	1	06/28/2025 21:16	WG2546486
(S) 2-Fluorophenol	66.1		12.0-120		06/28/2025 21:16	WG2546486
(S) Phenol-d5	65.0		10.0-120		06/28/2025 21:16	WG2546486
(S) Nitrobenzene-d5	67.5		10.0-122		06/28/2025 21:16	WG2546486
(S) 2-Fluorobiphenyl	53.3		15.0-120		06/28/2025 21:16	WG2546486
(S) 2,4,6-Tribromophenol	42.4		10.0-127		06/28/2025 21:16	WG2546486
(S) p-Terphenyl-d14	60.4		10.0-120		06/28/2025 21:16	WG2546486

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		0.0423	1	06/28/2025 17:30	WG2547471
Acenaphthene	ND		0.0423	1	06/28/2025 17:30	WG2547471
Acenaphthylene	ND		0.0423	1	06/28/2025 17:30	WG2547471
Benzo(a)anthracene	ND		0.00768	1	06/28/2025 17:30	WG2547471
Benzo(a)pyrene	ND		0.0423	1	06/28/2025 17:30	WG2547471
Benzo(b)fluoranthene	ND		0.0423	1	06/28/2025 17:30	WG2547471
Benzo(g,h,i)perylene	ND		0.0423	1	06/28/2025 17:30	WG2547471
Benzo(k)fluoranthene	ND		0.0423	1	06/28/2025 17:30	WG2547471
Chrysene	ND		0.0423	1	06/28/2025 17:30	WG2547471
Dibenz(a,h)anthracene	ND		0.0423	1	06/28/2025 17:30	WG2547471
Fluoranthene	ND		0.0423	1	06/28/2025 17:30	WG2547471
Fluorene	ND		0.0423	1	06/28/2025 17:30	WG2547471
Indeno(1,2,3-cd)pyrene	ND		0.0423	1	06/28/2025 17:30	WG2547471
Naphthalene	ND		0.00384	1	06/28/2025 17:30	WG2547471
Phenanthrene	ND		0.0423	1	06/28/2025 17:30	WG2547471
Pyrene	ND		0.0423	1	06/28/2025 17:30	WG2547471
1-Methylnaphthalene	ND		0.00384	1	06/28/2025 17:30	WG2547471
2-Methylnaphthalene	ND		0.0154	1	06/28/2025 17:30	WG2547471
(S) p-Terphenyl-d14	100		23.0-120		06/28/2025 17:30	WG2547471
(S) Nitrobenzene-d5	108		14.0-149		06/28/2025 17:30	WG2547471
(S) 2-Fluorobiphenyl	89.0		34.0-125		06/28/2025 17:30	WG2547471

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	06/21/2025 09:59	WG2543520
Acrolein	ND		0.0500	1	06/21/2025 09:59	WG2543520
Acrylonitrile	ND		0.0100	1	06/21/2025 09:59	WG2543520
Benzene	ND		0.00100	1	06/21/2025 09:59	WG2543520
Bromobenzene	ND		0.00100	1	06/21/2025 09:59	WG2543520
Bromodichloromethane	ND		0.00100	1	06/21/2025 09:59	WG2543520
Bromoform	ND		0.00100	1	06/21/2025 09:59	WG2543520
Bromomethane	ND		0.00500	1	06/21/2025 09:59	WG2543520
n-Butylbenzene	ND		0.00100	1	06/21/2025 09:59	WG2543520
sec-Butylbenzene	ND		0.00100	1	06/21/2025 09:59	WG2543520
tert-Butylbenzene	ND		0.00100	1	06/21/2025 09:59	WG2543520
Carbon tetrachloride	ND		0.00100	1	06/21/2025 09:59	WG2543520
Chlorobenzene	ND		0.00100	1	06/21/2025 09:59	WG2543520
Chlorodibromomethane	ND		0.00100	1	06/21/2025 09:59	WG2543520
Chloroethane	ND		0.00500	1	06/21/2025 09:59	WG2543520
Chloroform	ND		0.00500	1	06/21/2025 09:59	WG2543520
Chloromethane	ND		0.00250	1	06/21/2025 09:59	WG2543520
2-Chlorotoluene	ND		0.00100	1	06/21/2025 09:59	WG2543520
4-Chlorotoluene	ND		0.00100	1	06/21/2025 09:59	WG2543520
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	06/21/2025 09:59	WG2543520
1,2-Dibromoethane	ND		0.00100	1	06/21/2025 09:59	WG2543520
Dibromomethane	ND		0.00100	1	06/21/2025 09:59	WG2543520
1,2-Dichlorobenzene	ND		0.00100	1	06/21/2025 09:59	WG2543520
1,3-Dichlorobenzene	ND		0.00100	1	06/21/2025 09:59	WG2543520
1,4-Dichlorobenzene	ND		0.00100	1	06/21/2025 09:59	WG2543520
Dichlorodifluoromethane	ND	J3	0.00500	1	06/21/2025 09:59	WG2543520
1,1-Dichloroethane	ND		0.00100	1	06/21/2025 09:59	WG2543520
1,2-Dichloroethane	ND		0.00100	1	06/21/2025 09:59	WG2543520
1,1-Dichloroethene	ND		0.00100	1	06/21/2025 09:59	WG2543520
cis-1,2-Dichloroethene	ND		0.00100	1	06/21/2025 09:59	WG2543520
trans-1,2-Dichloroethene	ND		0.00100	1	06/21/2025 09:59	WG2543520
1,2-Dichloropropane	ND		0.00100	1	06/21/2025 09:59	WG2543520
1,1-Dichloropropene	ND		0.00100	1	06/21/2025 09:59	WG2543520
1,3-Dichloropropane	ND		0.00100	1	06/21/2025 09:59	WG2543520
cis-1,3-Dichloropropene	ND		0.00100	1	06/21/2025 09:59	WG2543520
trans-1,3-Dichloropropene	ND		0.00100	1	06/21/2025 09:59	WG2543520
2,2-Dichloropropane	ND		0.00100	1	06/21/2025 09:59	WG2543520
Di-isopropyl ether	ND		0.00100	1	06/21/2025 09:59	WG2543520
Ethylbenzene	ND		0.00100	1	06/21/2025 09:59	WG2543520
Hexachloro-1,3-butadiene	ND		0.00100	1	06/21/2025 09:59	WG2543520
Isopropylbenzene	ND		0.00100	1	06/21/2025 09:59	WG2543520
p-Isopropyltoluene	ND		0.00100	1	06/21/2025 09:59	WG2543520
2-Butanone (MEK)	ND		0.0100	1	06/21/2025 09:59	WG2543520
Methylene Chloride	ND		0.00500	1	06/21/2025 09:59	WG2543520
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	06/21/2025 09:59	WG2543520
Methyl tert-butyl ether	ND		0.00100	1	06/21/2025 09:59	WG2543520
Naphthalene	ND		0.00500	1	06/21/2025 09:59	WG2543520
n-Propylbenzene	ND		0.00100	1	06/21/2025 09:59	WG2543520
Styrene	ND		0.00100	1	06/21/2025 09:59	WG2543520
1,1,1,2-Tetrachloroethane	ND		0.00100	1	06/21/2025 09:59	WG2543520
1,1,2,2-Tetrachloroethane	ND		0.00100	1	06/21/2025 09:59	WG2543520
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	06/21/2025 09:59	WG2543520
Tetrachloroethene	ND		0.00100	1	06/21/2025 09:59	WG2543520
Toluene	ND		0.00100	1	06/21/2025 09:59	WG2543520
1,2,3-Trichlorobenzene	ND		0.00100	1	06/21/2025 09:59	WG2543520
1,2,4-Trichlorobenzene	ND		0.00100	1	06/21/2025 09:59	WG2543520



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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00100	1	06/21/2025 09:59	WG2543520
1,1,2-Trichloroethane	ND		0.00100	1	06/21/2025 09:59	WG2543520
Trichloroethene	ND		0.00100	1	06/21/2025 09:59	WG2543520
Trichlorofluoromethane	ND		0.00500	1	06/21/2025 09:59	WG2543520
1,2,3-Trichloropropane	ND		0.00250	1	06/21/2025 09:59	WG2543520
1,2,4-Trimethylbenzene	ND		0.00100	1	06/21/2025 09:59	WG2543520
1,2,3-Trimethylbenzene	ND		0.00100	1	06/21/2025 09:59	WG2543520
1,3,5-Trimethylbenzene	ND		0.00100	1	06/21/2025 09:59	WG2543520
Vinyl chloride	ND		0.00100	1	06/21/2025 09:59	WG2543520
Xylenes, Total	ND		0.00300	1	06/21/2025 09:59	WG2543520
(S) Toluene-d8	99.1		80.0-120		06/21/2025 09:59	WG2543520
(S) 4-Bromofluorobenzene	94.4		77.0-126		06/21/2025 09:59	WG2543520
(S) 1,2-Dichloroethane-d4	107		70.0-130		06/21/2025 09:59	WG2543520

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	4.35		1	06/29/2025 01:53	WG2547901

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	6190		26.3	1	06/27/2025 21:47	WG2544103

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	76.0		1	06/20/2025 16:48	WG2543290

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		13.2	1	06/26/2025 17:08	WG2544515

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	6170		263	10	06/27/2025 21:47	WG2548019

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND	J6	0.263	1	06/24/2025 22:38	WG2544395

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.11		1	06/30/2025 08:40	WG2549298

Sample Narrative:

L1871632-09 WG2549298: 8.11 at 22.1C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	2700	umhos/cm		10.0	1	07/01/2025 16:12	WG2549302

Sample Narrative:

L1871632-09 WG2549302: 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		26.3	1	06/23/2025 06:22	WG2544103

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	65000		2400	24	06/26/2025 23:44	WG2546217

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	5400		26.3	1	06/23/2025 12:47	WG2544343
Antimony	ND		2.63	1	06/23/2025 12:47	WG2544343
Beryllium	0.575		0.263	1	06/23/2025 12:47	WG2544343
Calcium	10700		132	1	06/23/2025 12:47	WG2544343
Chromium	7.98		1.32	1	06/23/2025 12:47	WG2544343
Cobalt	4.31		1.32	1	06/23/2025 12:47	WG2544343
Iron	7980		13.2	1	06/23/2025 12:47	WG2544343
Magnesium	3560		132	1	06/23/2025 12:47	WG2544343
Manganese	286		1.32	1	06/23/2025 12:47	WG2544343
Potassium	3760		132	1	06/23/2025 12:47	WG2544343
Sodium	2290		132	1	06/23/2025 12:47	WG2544343
Thallium	ND		2.63	1	06/23/2025 12:47	WG2544343
Vanadium	15.7		2.63	1	06/23/2025 12:47	WG2544343

1
Cp2
Tc3
Ss4
Cn5
Ds6
Sr7
Qc8
Gl9
Al10
Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.45		0.100	1	06/26/2025 17:56	WG2546152

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	22.6		0.132	5	06/23/2025 18:38	WG2544352
Barium	75.9		13.2	5	06/23/2025 18:38	WG2544352
Cadmium	0.539		0.132	5	06/23/2025 18:38	WG2544352
Copper	13.9		13.2	5	06/23/2025 18:38	WG2544352
Lead	165		13.2	5	06/23/2025 18:38	WG2544352
Nickel	ND		13.2	5	06/23/2025 18:38	WG2544352
Selenium	0.507		0.132	5	06/23/2025 18:38	WG2544352
Silver	ND		0.658	5	06/23/2025 18:38	WG2544352
Zinc	112		65.8	5	06/23/2025 18:38	WG2544352

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		4.08	25	06/21/2025 19:28	WG2543488
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	98.1		77.0-120		06/21/2025 19:28	WG2543488

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0816	1	06/21/2025 17:42	WG2543788
Acrylonitrile	ND		0.0204	1	06/21/2025 17:42	WG2543788
Benzene	ND		0.00163	1	06/21/2025 17:42	WG2543788
Bromobenzene	ND		0.0204	1	06/21/2025 17:42	WG2543788
Bromodichloromethane	ND		0.00408	1	06/21/2025 17:42	WG2543788
Bromoform	ND		0.0408	1	06/21/2025 17:42	WG2543788
Bromomethane	ND	C3	0.0204	1	06/21/2025 17:42	WG2543788
n-Butylbenzene	ND		0.0204	1	06/21/2025 17:42	WG2543788
sec-Butylbenzene	ND		0.0204	1	06/21/2025 17:42	WG2543788
tert-Butylbenzene	ND		0.00816	1	06/21/2025 17:42	WG2543788
Carbon tetrachloride	ND		0.00816	1	06/21/2025 17:42	WG2543788
Chlorobenzene	ND		0.00408	1	06/21/2025 17:42	WG2543788
Chlorodibromomethane	ND		0.00408	1	06/21/2025 17:42	WG2543788

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND		0.00816	1	06/21/2025 17:42	WG2543788
Chloroform	ND		0.00408	1	06/21/2025 17:42	WG2543788
Chloromethane	ND		0.0204	1	06/21/2025 17:42	WG2543788
2-Chlorotoluene	ND		0.00408	1	06/21/2025 17:42	WG2543788
4-Chlorotoluene	ND		0.00816	1	06/21/2025 17:42	WG2543788
1,2-Dibromo-3-Chloropropane	ND		0.0408	1	06/21/2025 17:42	WG2543788
1,2-Dibromoethane	ND		0.00408	1	06/21/2025 17:42	WG2543788
Dibromomethane	ND		0.00816	1	06/21/2025 17:42	WG2543788
1,2-Dichlorobenzene	ND		0.00816	1	06/21/2025 17:42	WG2543788
1,3-Dichlorobenzene	ND		0.00816	1	06/21/2025 17:42	WG2543788
1,4-Dichlorobenzene	ND		0.00816	1	06/21/2025 17:42	WG2543788
Dichlorodifluoromethane	ND		0.00816	1	06/21/2025 17:42	WG2543788
1,1-Dichloroethane	ND		0.00408	1	06/21/2025 17:42	WG2543788
1,2-Dichloroethane	ND		0.00408	1	06/21/2025 17:42	WG2543788
1,1-Dichloroethene	ND		0.00408	1	06/21/2025 17:42	WG2543788
cis-1,2-Dichloroethene	ND		0.00408	1	06/21/2025 17:42	WG2543788
trans-1,2-Dichloroethene	ND		0.00816	1	06/21/2025 17:42	WG2543788
1,2-Dichloropropane	ND		0.00816	1	06/21/2025 17:42	WG2543788
1,1-Dichloropropene	ND		0.00408	1	06/21/2025 17:42	WG2543788
1,3-Dichloropropane	ND		0.00816	1	06/21/2025 17:42	WG2543788
cis-1,3-Dichloropropene	ND		0.00408	1	06/21/2025 17:42	WG2543788
trans-1,3-Dichloropropene	ND		0.00816	1	06/21/2025 17:42	WG2543788
2,2-Dichloropropane	ND		0.00408	1	06/21/2025 17:42	WG2543788
Di-isopropyl ether	ND		0.00163	1	06/21/2025 17:42	WG2543788
Ethylbenzene	ND		0.0163	1	06/21/2025 17:42	WG2543788
Hexachloro-1,3-butadiene	ND		0.0408	1	06/21/2025 17:42	WG2543788
Isopropylbenzene	ND		0.00408	1	06/21/2025 17:42	WG2543788
p-Isopropyltoluene	ND		0.00816	1	06/21/2025 17:42	WG2543788
2-Butanone (MEK)	ND		0.163	1	06/21/2025 17:42	WG2543788
Methylene Chloride	ND		0.0408	1	06/21/2025 17:42	WG2543788
4-Methyl-2-pentanone (MIBK)	ND		0.0408	1	06/21/2025 17:42	WG2543788
Methyl tert-butyl ether	ND		0.00163	1	06/21/2025 17:42	WG2543788
n-Propylbenzene	ND		0.00816	1	06/21/2025 17:42	WG2543788
Styrene	ND		0.0204	1	06/21/2025 17:42	WG2543788
1,1,1,2-Tetrachloroethane	ND		0.00408	1	06/21/2025 17:42	WG2543788
1,1,2,2-Tetrachloroethane	ND		0.00408	1	06/21/2025 17:42	WG2543788
1,1,2-Trichlorotrifluoroethane	ND		0.00408	1	06/21/2025 17:42	WG2543788
Tetrachloroethene	ND		0.00408	1	06/21/2025 17:42	WG2543788
Toluene	ND		0.0163	1	06/21/2025 17:42	WG2543788
1,2,3-Trichlorobenzene	ND		0.0204	1	06/21/2025 17:42	WG2543788
1,2,4-Trichlorobenzene	ND		0.0204	1	06/21/2025 17:42	WG2543788
1,1,1-Trichloroethane	ND		0.00408	1	06/21/2025 17:42	WG2543788
1,1,2-Trichloroethane	ND		0.00408	1	06/21/2025 17:42	WG2543788
Trichloroethene	ND		0.00163	1	06/21/2025 17:42	WG2543788
Trichlorofluoromethane	ND		0.00408	1	06/21/2025 17:42	WG2543788
1,2,3-Trichloropropane	ND		0.0204	1	06/21/2025 17:42	WG2543788
1,2,3-Trimethylbenzene	ND		0.00816	1	06/21/2025 17:42	WG2543788
1,2,4-Trimethylbenzene	ND		0.00816	1	06/21/2025 17:42	WG2543788
1,3,5-Trimethylbenzene	ND		0.00816	1	06/21/2025 17:42	WG2543788
Vinyl chloride	ND		0.00408	1	06/21/2025 17:42	WG2543788
Xylenes, Total	ND		0.163	1	06/21/2025 17:42	WG2543788
(S) Toluene-d8	95.3		75.0-131		06/21/2025 17:42	WG2543788
(S) 4-Bromofluorobenzene	107		67.0-138		06/21/2025 17:42	WG2543788
(S) 1,2-Dichloroethane-d4	107		70.0-130		06/21/2025 17:42	WG2543788



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	40.5		26.3	5	06/30/2025 21:57	WG2547467
C28-C36 Motor Oil Range	199		26.3	5	06/30/2025 21:57	WG2547467
(S) o-Terphenyl	54.0		18.0-148		06/30/2025 21:57	WG2547467

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		0.0876	2	06/29/2025 00:48	WG2546486
Benzidine	ND	J4	4.39	2	06/29/2025 00:48	WG2546486
Benzo(g,h,i)perylene	ND		0.0876	2	06/29/2025 00:48	WG2546486
Bis(2-chlorethoxy)methane	ND		0.876	2	06/29/2025 00:48	WG2546486
Bis(2-chloroethyl)ether	ND	C7	0.876	2	06/29/2025 00:48	WG2546486
2,2-Oxybis(1-Chloropropane)	ND		0.876	2	06/29/2025 00:48	WG2546486
4-Bromophenyl-phenylether	ND		0.876	2	06/29/2025 00:48	WG2546486
2-Chloronaphthalene	ND		0.0876	2	06/29/2025 00:48	WG2546486
4-Chlorophenyl-phenylether	ND		0.876	2	06/29/2025 00:48	WG2546486
1,2-Dichlorobenzene	ND		0.876	2	06/29/2025 00:48	WG2546486
1,3-Dichlorobenzene	ND		0.876	2	06/29/2025 00:48	WG2546486
1,4-Dichlorobenzene	ND		0.876	2	06/29/2025 00:48	WG2546486
3,3-Dichlorobenzidine	ND		0.876	2	06/29/2025 00:48	WG2546486
2,4-Dinitrotoluene	ND		0.876	2	06/29/2025 00:48	WG2546486
2,6-Dinitrotoluene	ND		0.876	2	06/29/2025 00:48	WG2546486
Hexachlorobenzene	ND	C3	0.876	2	06/29/2025 00:48	WG2546486
Hexachloro-1,3-butadiene	ND		0.876	2	06/29/2025 00:48	WG2546486
Hexachlorocyclopentadiene	ND	C3	0.876	2	06/29/2025 00:48	WG2546486
Hexachloroethane	ND		0.876	2	06/29/2025 00:48	WG2546486
Isophorone	ND		0.876	2	06/29/2025 00:48	WG2546486
Nitrobenzene	ND		0.876	2	06/29/2025 00:48	WG2546486
n-Nitrosodimethylamine	ND		0.876	2	06/29/2025 00:48	WG2546486
n-Nitrosodiphenylamine	ND		0.876	2	06/29/2025 00:48	WG2546486
n-Nitrosodi-n-propylamine	ND		0.876	2	06/29/2025 00:48	WG2546486
Phenanthrene	ND		0.0876	2	06/29/2025 00:48	WG2546486
Benzylbutyl phthalate	ND		0.876	2	06/29/2025 00:48	WG2546486
Bis(2-ethylhexyl)phthalate	ND		0.876	2	06/29/2025 00:48	WG2546486
Di-n-butyl phthalate	ND		0.876	2	06/29/2025 00:48	WG2546486
Diethyl phthalate	ND		0.876	2	06/29/2025 00:48	WG2546486
Dimethyl phthalate	ND		0.876	2	06/29/2025 00:48	WG2546486
Di-n-octyl phthalate	ND		0.876	2	06/29/2025 00:48	WG2546486
1,2,4-Trichlorobenzene	ND		0.876	2	06/29/2025 00:48	WG2546486
4-Chloro-3-methylphenol	ND		0.876	2	06/29/2025 00:48	WG2546486
2-Chlorophenol	ND		0.876	2	06/29/2025 00:48	WG2546486
2,4-Dichlorophenol	ND		0.876	2	06/29/2025 00:48	WG2546486
2,4-Dimethylphenol	ND		0.876	2	06/29/2025 00:48	WG2546486
4,6-Dinitro-2-methylphenol	ND		0.876	2	06/29/2025 00:48	WG2546486
2,4-Dinitrophenol	ND		0.876	2	06/29/2025 00:48	WG2546486
2-Nitrophenol	ND		0.876	2	06/29/2025 00:48	WG2546486
4-Nitrophenol	ND		0.876	2	06/29/2025 00:48	WG2546486
Pentachlorophenol	ND		0.876	2	06/29/2025 00:48	WG2546486
Phenol	ND		0.876	2	06/29/2025 00:48	WG2546486
2,4,6-Trichlorophenol	ND		0.876	2	06/29/2025 00:48	WG2546486
(S) 2-Fluorophenol	68.0		12.0-120		06/29/2025 00:48	WG2546486
(S) Phenol-d5	64.2		10.0-120		06/29/2025 00:48	WG2546486
(S) Nitrobenzene-d5	75.5		10.0-122		06/29/2025 00:48	WG2546486
(S) 2-Fluorobiphenyl	54.4		15.0-120		06/29/2025 00:48	WG2546486
(S) 2,4,6-Tribromophenol	41.9		10.0-127		06/29/2025 00:48	WG2546486
(S) p-Terphenyl-d14	59.6		10.0-120		06/29/2025 00:48	WG2546486

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:

L1871632-09 WG2546486: Dilution due to matrix impact during extract concentration procedure.

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0434	1	06/28/2025 16:43	WG2547471
Acenaphthene	ND		0.0434	1	06/28/2025 16:43	WG2547471
Acenaphthylene	ND		0.0434	1	06/28/2025 16:43	WG2547471
Benzo(a)anthracene	0.0105		0.00790	1	06/28/2025 16:43	WG2547471
Benzo(a)pyrene	ND		0.0434	1	06/28/2025 16:43	WG2547471
Benzo(b)fluoranthene	ND		0.0434	1	06/28/2025 16:43	WG2547471
Benzo(g,h,i)perylene	ND		0.0434	1	06/28/2025 16:43	WG2547471
Benzo(k)fluoranthene	ND		0.0434	1	06/28/2025 16:43	WG2547471
Chrysene	ND		0.0434	1	06/28/2025 16:43	WG2547471
Dibenz(a,h)anthracene	ND		0.0434	1	06/28/2025 16:43	WG2547471
Fluoranthene	ND		0.0434	1	06/28/2025 16:43	WG2547471
Fluorene	ND		0.0434	1	06/28/2025 16:43	WG2547471
Indeno(1,2,3-cd)pyrene	ND		0.0434	1	06/28/2025 16:43	WG2547471
Naphthalene	ND		0.00395	1	06/28/2025 16:43	WG2547471
Phenanthrene	ND		0.0434	1	06/28/2025 16:43	WG2547471
Pyrene	ND		0.0434	1	06/28/2025 16:43	WG2547471
1-Methylnaphthalene	ND		0.00395	1	06/28/2025 16:43	WG2547471
2-Methylnaphthalene	ND		0.0158	1	06/28/2025 16:43	WG2547471
(S) p-Terphenyl-d14	86.2		23.0-120		06/28/2025 16:43	WG2547471
(S) Nitrobenzene-d5	91.1		14.0-149		06/28/2025 16:43	WG2547471
(S) 2-Fluorobiphenyl	89.6		34.0-125		06/28/2025 16:43	WG2547471

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	12.9		1	06/26/2025 15:11	WG2546134

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	4300		24.4	1	06/27/2025 18:35	WG2544103

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	82.8		1	06/20/2025 16:48	WG2543290

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		12.1	1	06/26/2025 17:10	WG2544515

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	4290		121	5	06/27/2025 18:35	WG2548019

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.242	1	06/24/2025 03:00	WG2544395

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.29		1	06/26/2025 08:40	WG2547109

Sample Narrative:

L1871632-10 WG2547109: 8.29 at 23.8C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	3590	umhos/cm		10.0	1	06/26/2025 14:45	WG2547126

Sample Narrative:

L1871632-10 WG2547126: 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	1.01	06/23/2025 06:35	WG2544103

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	76900		1900	19	06/26/2025 23:44	WG2546217

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	5350		24.2	1	06/23/2025 12:49	WG2544343
Antimony	ND		2.42	1	06/23/2025 12:49	WG2544343
Beryllium	0.591		0.242	1	06/23/2025 12:49	WG2544343
Calcium	10500		121	1	06/23/2025 12:49	WG2544343
Chromium	7.92		1.21	1	06/23/2025 12:49	WG2544343
Cobalt	4.77		1.21	1	06/23/2025 12:49	WG2544343
Iron	8040		12.1	1	06/23/2025 12:49	WG2544343
Magnesium	3500		121	1	06/23/2025 12:49	WG2544343
Manganese	307		1.21	1	06/23/2025 12:49	WG2544343
Potassium	3930		121	1	06/23/2025 12:49	WG2544343
Sodium	2330		121	1	06/23/2025 12:49	WG2544343
Thallium	ND		2.42	1	06/23/2025 12:49	WG2544343
Vanadium	15.2		2.42	1	06/23/2025 12:49	WG2544343

1
Cp2
Tc3
Ss4
Cn5
Ds6
Sr7
Qc8
Gl9
Al10
Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.37		0.100	1	06/26/2025 18:05	WG2546152

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	27.5		0.121	5	06/23/2025 18:41	WG2544352
Barium	76.5		12.1	5	06/23/2025 18:41	WG2544352
Cadmium	0.583		0.121	5	06/23/2025 18:41	WG2544352
Copper	14.7		12.1	5	06/23/2025 18:41	WG2544352
Lead	131		12.1	5	06/23/2025 18:41	WG2544352
Nickel	ND		12.1	5	06/23/2025 18:41	WG2544352
Selenium	0.484		0.121	5	06/23/2025 18:41	WG2544352
Silver	ND		0.604	5	06/23/2025 18:41	WG2544352
Zinc	104		60.4	5	06/23/2025 18:41	WG2544352

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		3.54	25	06/21/2025 19:51	WG2543488
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	98.2		77.0-120		06/21/2025 19:51	WG2543488

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0708	1	06/21/2025 18:02	WG2543788
Acrylonitrile	ND		0.0177	1	06/21/2025 18:02	WG2543788
Benzene	ND		0.00142	1	06/21/2025 18:02	WG2543788
Bromobenzene	ND		0.0177	1	06/21/2025 18:02	WG2543788
Bromodichloromethane	ND		0.00354	1	06/21/2025 18:02	WG2543788
Bromoform	ND		0.0354	1	06/21/2025 18:02	WG2543788
Bromomethane	ND	C3	0.0177	1	06/21/2025 18:02	WG2543788
n-Butylbenzene	ND		0.0177	1	06/21/2025 18:02	WG2543788
sec-Butylbenzene	ND		0.0177	1	06/21/2025 18:02	WG2543788
tert-Butylbenzene	ND		0.00708	1	06/21/2025 18:02	WG2543788
Carbon tetrachloride	ND		0.00708	1	06/21/2025 18:02	WG2543788
Chlorobenzene	ND		0.00354	1	06/21/2025 18:02	WG2543788
Chlorodibromomethane	ND		0.00354	1	06/21/2025 18:02	WG2543788

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		0.00708	1	06/21/2025 18:02	WG2543788
Chloroform	ND		0.00354	1	06/21/2025 18:02	WG2543788
Chloromethane	ND		0.0177	1	06/21/2025 18:02	WG2543788
2-Chlorotoluene	ND		0.00354	1	06/21/2025 18:02	WG2543788
4-Chlorotoluene	ND		0.00708	1	06/21/2025 18:02	WG2543788
1,2-Dibromo-3-Chloropropane	ND		0.0354	1	06/21/2025 18:02	WG2543788
1,2-Dibromoethane	ND		0.00354	1	06/21/2025 18:02	WG2543788
Dibromomethane	ND		0.00708	1	06/21/2025 18:02	WG2543788
1,2-Dichlorobenzene	ND		0.00708	1	06/21/2025 18:02	WG2543788
1,3-Dichlorobenzene	ND		0.00708	1	06/21/2025 18:02	WG2543788
1,4-Dichlorobenzene	ND		0.00708	1	06/21/2025 18:02	WG2543788
Dichlorodifluoromethane	ND		0.00708	1	06/21/2025 18:02	WG2543788
1,1-Dichloroethane	ND		0.00354	1	06/21/2025 18:02	WG2543788
1,2-Dichloroethane	ND		0.00354	1	06/21/2025 18:02	WG2543788
1,1-Dichloroethene	ND		0.00354	1	06/21/2025 18:02	WG2543788
cis-1,2-Dichloroethene	ND		0.00354	1	06/21/2025 18:02	WG2543788
trans-1,2-Dichloroethene	ND		0.00708	1	06/21/2025 18:02	WG2543788
1,2-Dichloropropane	ND		0.00708	1	06/21/2025 18:02	WG2543788
1,1-Dichloropropene	ND		0.00354	1	06/21/2025 18:02	WG2543788
1,3-Dichloropropane	ND		0.00708	1	06/21/2025 18:02	WG2543788
cis-1,3-Dichloropropene	ND		0.00354	1	06/21/2025 18:02	WG2543788
trans-1,3-Dichloropropene	ND		0.00708	1	06/21/2025 18:02	WG2543788
2,2-Dichloropropane	ND		0.00354	1	06/21/2025 18:02	WG2543788
Di-isopropyl ether	ND		0.00142	1	06/21/2025 18:02	WG2543788
Ethylbenzene	ND		0.0142	1	06/21/2025 18:02	WG2543788
Hexachloro-1,3-butadiene	ND		0.0354	1	06/21/2025 18:02	WG2543788
Isopropylbenzene	ND		0.00354	1	06/21/2025 18:02	WG2543788
p-Isopropyltoluene	ND		0.00708	1	06/21/2025 18:02	WG2543788
2-Butanone (MEK)	ND		0.142	1	06/21/2025 18:02	WG2543788
Methylene Chloride	ND		0.0354	1	06/21/2025 18:02	WG2543788
4-Methyl-2-pentanone (MIBK)	ND		0.0354	1	06/21/2025 18:02	WG2543788
Methyl tert-butyl ether	ND		0.00142	1	06/21/2025 18:02	WG2543788
n-Propylbenzene	ND		0.00708	1	06/21/2025 18:02	WG2543788
Styrene	ND		0.0177	1	06/21/2025 18:02	WG2543788
1,1,1,2-Tetrachloroethane	ND		0.00354	1	06/21/2025 18:02	WG2543788
1,1,2,2-Tetrachloroethane	ND		0.00354	1	06/21/2025 18:02	WG2543788
1,1,2-Trichlorotrifluoroethane	ND		0.00354	1	06/21/2025 18:02	WG2543788
Tetrachloroethene	ND		0.00354	1	06/21/2025 18:02	WG2543788
Toluene	ND		0.0142	1	06/21/2025 18:02	WG2543788
1,2,3-Trichlorobenzene	ND		0.0177	1	06/21/2025 18:02	WG2543788
1,2,4-Trichlorobenzene	ND		0.0177	1	06/21/2025 18:02	WG2543788
1,1,1-Trichloroethane	ND		0.00354	1	06/21/2025 18:02	WG2543788
1,1,2-Trichloroethane	ND		0.00354	1	06/21/2025 18:02	WG2543788
Trichloroethene	ND		0.00142	1	06/21/2025 18:02	WG2543788
Trichlorofluoromethane	ND		0.00354	1	06/21/2025 18:02	WG2543788
1,2,3-Trichloropropane	ND		0.0177	1	06/21/2025 18:02	WG2543788
1,2,3-Trimethylbenzene	ND		0.00708	1	06/21/2025 18:02	WG2543788
1,2,4-Trimethylbenzene	ND		0.00708	1	06/21/2025 18:02	WG2543788
1,3,5-Trimethylbenzene	ND		0.00708	1	06/21/2025 18:02	WG2543788
Vinyl chloride	ND		0.00354	1	06/21/2025 18:02	WG2543788
Xylenes, Total	ND		0.142	1	06/21/2025 18:02	WG2543788
(S) Toluene-d8	96.9		75.0-131		06/21/2025 18:02	WG2543788
(S) 4-Bromofluorobenzene	103		67.0-138		06/21/2025 18:02	WG2543788
(S) 1,2-Dichloroethane-d4	104		70.0-130		06/21/2025 18:02	WG2543788



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	71.8		24.2	5	06/30/2025 23:12	WG2547467
C28-C36 Motor Oil Range	335		24.2	5	06/30/2025 23:12	WG2547467
(S) o-Terphenyl	50.0		18.0-148		06/30/2025 23:12	WG2547467

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		0.0805	2	06/29/2025 01:09	WG2546486
Benzidine	ND	J4	4.04	2	06/29/2025 01:09	WG2546486
Benzo(g,h,i)perylene	ND		0.0805	2	06/29/2025 01:09	WG2546486
Bis(2-chlorethoxy)methane	ND		0.805	2	06/29/2025 01:09	WG2546486
Bis(2-chloroethyl)ether	ND	C7	0.805	2	06/29/2025 01:09	WG2546486
2,2-Oxybis(1-Chloropropane)	ND		0.805	2	06/29/2025 01:09	WG2546486
4-Bromophenyl-phenylether	ND		0.805	2	06/29/2025 01:09	WG2546486
2-Chloronaphthalene	ND		0.0805	2	06/29/2025 01:09	WG2546486
4-Chlorophenyl-phenylether	ND		0.805	2	06/29/2025 01:09	WG2546486
1,2-Dichlorobenzene	ND		0.805	2	06/29/2025 01:09	WG2546486
1,3-Dichlorobenzene	ND		0.805	2	06/29/2025 01:09	WG2546486
1,4-Dichlorobenzene	ND		0.805	2	06/29/2025 01:09	WG2546486
3,3-Dichlorobenzidine	ND		0.805	2	06/29/2025 01:09	WG2546486
2,4-Dinitrotoluene	ND		0.805	2	06/29/2025 01:09	WG2546486
2,6-Dinitrotoluene	ND		0.805	2	06/29/2025 01:09	WG2546486
Hexachlorobenzene	ND	C3	0.805	2	06/29/2025 01:09	WG2546486
Hexachloro-1,3-butadiene	ND		0.805	2	06/29/2025 01:09	WG2546486
Hexachlorocyclopentadiene	ND	C3	0.805	2	06/29/2025 01:09	WG2546486
Hexachloroethane	ND		0.805	2	06/29/2025 01:09	WG2546486
Isophorone	ND		0.805	2	06/29/2025 01:09	WG2546486
Nitrobenzene	ND		0.805	2	06/29/2025 01:09	WG2546486
n-Nitrosodimethylamine	ND		0.805	2	06/29/2025 01:09	WG2546486
n-Nitrosodiphenylamine	ND		0.805	2	06/29/2025 01:09	WG2546486
n-Nitrosodi-n-propylamine	ND		0.805	2	06/29/2025 01:09	WG2546486
Phenanthrene	ND		0.0805	2	06/29/2025 01:09	WG2546486
Benzylbutyl phthalate	ND		0.805	2	06/29/2025 01:09	WG2546486
Bis(2-ethylhexyl)phthalate	ND		0.805	2	06/29/2025 01:09	WG2546486
Di-n-butyl phthalate	ND		0.805	2	06/29/2025 01:09	WG2546486
Diethyl phthalate	ND		0.805	2	06/29/2025 01:09	WG2546486
Dimethyl phthalate	ND		0.805	2	06/29/2025 01:09	WG2546486
Di-n-octyl phthalate	ND		0.805	2	06/29/2025 01:09	WG2546486
1,2,4-Trichlorobenzene	ND		0.805	2	06/29/2025 01:09	WG2546486
4-Chloro-3-methylphenol	ND		0.805	2	06/29/2025 01:09	WG2546486
2-Chlorophenol	ND		0.805	2	06/29/2025 01:09	WG2546486
2,4-Dichlorophenol	ND		0.805	2	06/29/2025 01:09	WG2546486
2,4-Dimethylphenol	ND		0.805	2	06/29/2025 01:09	WG2546486
4,6-Dinitro-2-methylphenol	ND		0.805	2	06/29/2025 01:09	WG2546486
2,4-Dinitrophenol	ND		0.805	2	06/29/2025 01:09	WG2546486
2-Nitrophenol	ND		0.805	2	06/29/2025 01:09	WG2546486
4-Nitrophenol	ND		0.805	2	06/29/2025 01:09	WG2546486
Pentachlorophenol	ND		0.805	2	06/29/2025 01:09	WG2546486
Phenol	ND		0.805	2	06/29/2025 01:09	WG2546486
2,4,6-Trichlorophenol	ND		0.805	2	06/29/2025 01:09	WG2546486
(S) 2-Fluorophenol	68.3		12.0-120		06/29/2025 01:09	WG2546486
(S) Phenol-d5	66.4		10.0-120		06/29/2025 01:09	WG2546486
(S) Nitrobenzene-d5	71.5		10.0-122		06/29/2025 01:09	WG2546486
(S) 2-Fluorobiphenyl	53.6		15.0-120		06/29/2025 01:09	WG2546486
(S) 2,4,6-Tribromophenol	40.4		10.0-127		06/29/2025 01:09	WG2546486
(S) p-Terphenyl-d14	58.5		10.0-120		06/29/2025 01:09	WG2546486

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:

L1871632-10 WG2546486: 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		0.0399	1	06/28/2025 17:01	WG2547471
Acenaphthene	ND		0.0399	1	06/28/2025 17:01	WG2547471
Acenaphthylene	ND		0.0399	1	06/28/2025 17:01	WG2547471
Benzo(a)anthracene	ND		0.00725	1	06/28/2025 17:01	WG2547471
Benzo(a)pyrene	ND		0.0399	1	06/28/2025 17:01	WG2547471
Benzo(b)fluoranthene	ND		0.0399	1	06/28/2025 17:01	WG2547471
Benzo(g,h,i)perylene	ND		0.0399	1	06/28/2025 17:01	WG2547471
Benzo(k)fluoranthene	ND		0.0399	1	06/28/2025 17:01	WG2547471
Chrysene	ND		0.0399	1	06/28/2025 17:01	WG2547471
Dibenz(a,h)anthracene	ND		0.0399	1	06/28/2025 17:01	WG2547471
Fluoranthene	ND		0.0399	1	06/28/2025 17:01	WG2547471
Fluorene	ND		0.0399	1	06/28/2025 17:01	WG2547471
Indeno(1,2,3-cd)pyrene	ND		0.0399	1	06/28/2025 17:01	WG2547471
Naphthalene	ND		0.00362	1	06/28/2025 17:01	WG2547471
Phenanthrene	ND		0.0399	1	06/28/2025 17:01	WG2547471
Pyrene	ND		0.0399	1	06/28/2025 17:01	WG2547471
1-Methylnaphthalene	ND		0.00362	1	06/28/2025 17:01	WG2547471
2-Methylnaphthalene	ND		0.0145	1	06/28/2025 17:01	WG2547471
(S) p-Terphenyl-d14	80.2		23.0-120		06/28/2025 17:01	WG2547471
(S) Nitrobenzene-d5	87.7		14.0-149		06/28/2025 17:01	WG2547471
(S) 2-Fluorobiphenyl	85.2		34.0-125		06/28/2025 17:01	WG2547471

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	3.63		1	06/26/2025 15:12	WG2546134

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	984		25.9	1	06/27/2025 18:37	WG2544103

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	77.3		1	06/20/2025 16:48	WG2543290

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		12.9	1	06/26/2025 17:12	WG2544515

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	984		129	5	06/27/2025 18:37	WG2548019

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.259	1	06/24/2025 03:18	WG2544395

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.57		1	06/26/2025 08:40	WG2547109

Sample Narrative:

L1871632-11 WG2547109: 7.57 at 23.7C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	2370	umhos/cm		10.0	1	06/26/2025 14:45	WG2547126

Sample Narrative:

L1871632-11 WG2547126: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		25.9	1	06/23/2025 06:49	WG2544103

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	20000		500	5	06/26/2025 23:44	WG2546217

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	4030		25.9	1	06/23/2025 12:51	WG2544343
Antimony	ND		2.59	1	06/23/2025 12:51	WG2544343
Beryllium	0.856		0.259	1	06/23/2025 12:51	WG2544343
Calcium	6950		129	1	06/23/2025 12:51	WG2544343
Chromium	6.46		1.29	1	06/23/2025 12:51	WG2544343
Cobalt	5.10		1.29	1	06/23/2025 12:51	WG2544343
Iron	8420		12.9	1	06/23/2025 12:51	WG2544343
Magnesium	2840		129	1	06/23/2025 12:51	WG2544343
Manganese	157		1.29	1	06/23/2025 12:51	WG2544343
Potassium	856		129	1	06/23/2025 12:51	WG2544343
Sodium	428		129	1	06/23/2025 12:51	WG2544343
Thallium	ND		2.59	1	06/23/2025 12:51	WG2544343
Vanadium	16.9		2.59	1	06/23/2025 12:51	WG2544343

1
Cp2
Tc3
Ss4
Cn5
Ds6
Sr7
Qc8
Gl9
Al10
Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.775		0.100	1	06/26/2025 12:52	WG2546205

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.70		0.129	5	06/23/2025 18:44	WG2544352
Barium	65.8		12.9	5	06/23/2025 18:44	WG2544352
Cadmium	0.315		0.129	5	06/23/2025 18:44	WG2544352
Copper	15.4		12.9	5	06/23/2025 18:44	WG2544352
Lead	14.0		12.9	5	06/23/2025 18:44	WG2544352
Nickel	ND		12.9	5	06/23/2025 18:44	WG2544352
Selenium	0.362		0.129	5	06/23/2025 18:44	WG2544352
Silver	ND		0.647	5	06/23/2025 18:44	WG2544352
Zinc	ND		64.7	5	06/23/2025 18:44	WG2544352

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		3.97	25	06/21/2025 20:15	WG2543488
(S) a,a,a-Trifluorotoluene(FID)	98.3		77.0-120		06/21/2025 20:15	WG2543488

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0794	1	06/21/2025 18:23	WG2543788
Acrylonitrile	ND		0.0198	1	06/21/2025 18:23	WG2543788
Benzene	ND		0.00159	1	06/21/2025 18:23	WG2543788
Bromobenzene	ND		0.0198	1	06/21/2025 18:23	WG2543788
Bromodichloromethane	ND		0.00397	1	06/21/2025 18:23	WG2543788
Bromoform	ND		0.0397	1	06/21/2025 18:23	WG2543788
Bromomethane	ND	C3	0.0198	1	06/21/2025 18:23	WG2543788
n-Butylbenzene	ND		0.0198	1	06/21/2025 18:23	WG2543788
sec-Butylbenzene	ND		0.0198	1	06/21/2025 18:23	WG2543788
tert-Butylbenzene	ND		0.00794	1	06/21/2025 18:23	WG2543788
Carbon tetrachloride	ND		0.00794	1	06/21/2025 18:23	WG2543788
Chlorobenzene	ND		0.00397	1	06/21/2025 18:23	WG2543788
Chlorodibromomethane	ND		0.00397	1	06/21/2025 18:23	WG2543788

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		0.00794	1	06/21/2025 18:23	WG2543788
Chloroform	ND		0.00397	1	06/21/2025 18:23	WG2543788
Chloromethane	ND		0.0198	1	06/21/2025 18:23	WG2543788
2-Chlorotoluene	ND		0.00397	1	06/21/2025 18:23	WG2543788
4-Chlorotoluene	ND		0.00794	1	06/21/2025 18:23	WG2543788
1,2-Dibromo-3-Chloropropane	ND		0.0397	1	06/21/2025 18:23	WG2543788
1,2-Dibromoethane	ND		0.00397	1	06/21/2025 18:23	WG2543788
Dibromomethane	ND		0.00794	1	06/21/2025 18:23	WG2543788
1,2-Dichlorobenzene	ND		0.00794	1	06/21/2025 18:23	WG2543788
1,3-Dichlorobenzene	ND		0.00794	1	06/21/2025 18:23	WG2543788
1,4-Dichlorobenzene	ND		0.00794	1	06/21/2025 18:23	WG2543788
Dichlorodifluoromethane	ND		0.00794	1	06/21/2025 18:23	WG2543788
1,1-Dichloroethane	ND		0.00397	1	06/21/2025 18:23	WG2543788
1,2-Dichloroethane	ND		0.00397	1	06/21/2025 18:23	WG2543788
1,1-Dichloroethene	ND		0.00397	1	06/21/2025 18:23	WG2543788
cis-1,2-Dichloroethene	ND		0.00397	1	06/21/2025 18:23	WG2543788
trans-1,2-Dichloroethene	ND		0.00794	1	06/21/2025 18:23	WG2543788
1,2-Dichloropropane	ND		0.00794	1	06/21/2025 18:23	WG2543788
1,1-Dichloropropene	ND		0.00397	1	06/21/2025 18:23	WG2543788
1,3-Dichloropropane	ND		0.00794	1	06/21/2025 18:23	WG2543788
cis-1,3-Dichloropropene	ND		0.00397	1	06/21/2025 18:23	WG2543788
trans-1,3-Dichloropropene	ND		0.00794	1	06/21/2025 18:23	WG2543788
2,2-Dichloropropane	ND		0.00397	1	06/21/2025 18:23	WG2543788
Di-isopropyl ether	ND		0.00159	1	06/21/2025 18:23	WG2543788
Ethylbenzene	ND		0.0159	1	06/21/2025 18:23	WG2543788
Hexachloro-1,3-butadiene	ND		0.0397	1	06/21/2025 18:23	WG2543788
Isopropylbenzene	ND		0.00397	1	06/21/2025 18:23	WG2543788
p-Isopropyltoluene	ND		0.00794	1	06/21/2025 18:23	WG2543788
2-Butanone (MEK)	ND		0.159	1	06/21/2025 18:23	WG2543788
Methylene Chloride	ND		0.0397	1	06/21/2025 18:23	WG2543788
4-Methyl-2-pentanone (MIBK)	ND		0.0397	1	06/21/2025 18:23	WG2543788
Methyl tert-butyl ether	ND		0.00159	1	06/21/2025 18:23	WG2543788
n-Propylbenzene	ND		0.00794	1	06/21/2025 18:23	WG2543788
Styrene	ND		0.0198	1	06/21/2025 18:23	WG2543788
1,1,1,2-Tetrachloroethane	ND		0.00397	1	06/21/2025 18:23	WG2543788
1,1,2,2-Tetrachloroethane	ND		0.00397	1	06/21/2025 18:23	WG2543788
1,1,2-Trichlorotrifluoroethane	ND		0.00397	1	06/21/2025 18:23	WG2543788
Tetrachloroethene	ND		0.00397	1	06/21/2025 18:23	WG2543788
Toluene	ND		0.0159	1	06/21/2025 18:23	WG2543788
1,2,3-Trichlorobenzene	ND		0.0198	1	06/21/2025 18:23	WG2543788
1,2,4-Trichlorobenzene	ND		0.0198	1	06/21/2025 18:23	WG2543788
1,1,1-Trichloroethane	ND		0.00397	1	06/21/2025 18:23	WG2543788
1,1,2-Trichloroethane	ND		0.00397	1	06/21/2025 18:23	WG2543788
Trichloroethene	ND		0.00159	1	06/21/2025 18:23	WG2543788
Trichlorofluoromethane	ND		0.00397	1	06/21/2025 18:23	WG2543788
1,2,3-Trichloropropane	ND		0.0198	1	06/21/2025 18:23	WG2543788
1,2,3-Trimethylbenzene	ND		0.00794	1	06/21/2025 18:23	WG2543788
1,2,4-Trimethylbenzene	ND		0.00794	1	06/21/2025 18:23	WG2543788
1,3,5-Trimethylbenzene	ND		0.00794	1	06/21/2025 18:23	WG2543788
Vinyl chloride	ND		0.00397	1	06/21/2025 18:23	WG2543788
Xylenes, Total	ND		0.159	1	06/21/2025 18:23	WG2543788
(S) Toluene-d8	95.9		75.0-131		06/21/2025 18:23	WG2543788
(S) 4-Bromofluorobenzene	103		67.0-138		06/21/2025 18:23	WG2543788
(S) 1,2-Dichloroethane-d4	106		70.0-130		06/21/2025 18:23	WG2543788



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		5.17	1	06/30/2025 18:15	WG2547467
C28-C36 Motor Oil Range	13.3		5.17	1	06/30/2025 18:15	WG2547467
(S) o-Terphenyl	68.4		18.0-148		06/30/2025 18:15	WG2547467

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		0.0431	1	06/28/2025 19:30	WG2546486
Benzidine	ND	J4	2.16	1	06/28/2025 19:30	WG2546486
Benzo(g,h,i)perylene	ND		0.0431	1	06/28/2025 19:30	WG2546486
Bis(2-chlorethoxy)methane	ND		0.431	1	06/28/2025 19:30	WG2546486
Bis(2-chloroethyl)ether	ND	C7	0.431	1	06/28/2025 19:30	WG2546486
2,2-Oxybis(1-Chloropropane)	ND		0.431	1	06/28/2025 19:30	WG2546486
4-Bromophenyl-phenylether	ND		0.431	1	06/28/2025 19:30	WG2546486
2-Chloronaphthalene	ND		0.0431	1	06/28/2025 19:30	WG2546486
4-Chlorophenyl-phenylether	ND		0.431	1	06/28/2025 19:30	WG2546486
1,2-Dichlorobenzene	ND		0.431	1	06/28/2025 19:30	WG2546486
1,3-Dichlorobenzene	ND		0.431	1	06/28/2025 19:30	WG2546486
1,4-Dichlorobenzene	ND		0.431	1	06/28/2025 19:30	WG2546486
3,3-Dichlorobenzidine	ND		0.431	1	06/28/2025 19:30	WG2546486
2,4-Dinitrotoluene	ND		0.431	1	06/28/2025 19:30	WG2546486
2,6-Dinitrotoluene	ND		0.431	1	06/28/2025 19:30	WG2546486
Hexachlorobenzene	ND	C3	0.431	1	06/28/2025 19:30	WG2546486
Hexachloro-1,3-butadiene	ND		0.431	1	06/28/2025 19:30	WG2546486
Hexachlorocyclopentadiene	ND	C3	0.431	1	06/28/2025 19:30	WG2546486
Hexachloroethane	ND		0.431	1	06/28/2025 19:30	WG2546486
Isophorone	ND		0.431	1	06/28/2025 19:30	WG2546486
Nitrobenzene	ND		0.431	1	06/28/2025 19:30	WG2546486
n-Nitrosodimethylamine	ND		0.431	1	06/28/2025 19:30	WG2546486
n-Nitrosodiphenylamine	ND		0.431	1	06/28/2025 19:30	WG2546486
n-Nitrosodi-n-propylamine	ND		0.431	1	06/28/2025 19:30	WG2546486
Phenanthrene	ND		0.0431	1	06/28/2025 19:30	WG2546486
Benzylbutyl phthalate	ND		0.431	1	06/28/2025 19:30	WG2546486
Bis(2-ethylhexyl)phthalate	ND		0.431	1	06/28/2025 19:30	WG2546486
Di-n-butyl phthalate	ND		0.431	1	06/28/2025 19:30	WG2546486
Diethyl phthalate	ND		0.431	1	06/28/2025 19:30	WG2546486
Dimethyl phthalate	ND		0.431	1	06/28/2025 19:30	WG2546486
Di-n-octyl phthalate	ND		0.431	1	06/28/2025 19:30	WG2546486
1,2,4-Trichlorobenzene	ND		0.431	1	06/28/2025 19:30	WG2546486
4-Chloro-3-methylphenol	ND		0.431	1	06/28/2025 19:30	WG2546486
2-Chlorophenol	ND		0.431	1	06/28/2025 19:30	WG2546486
2,4-Dichlorophenol	ND		0.431	1	06/28/2025 19:30	WG2546486
2,4-Dimethylphenol	ND		0.431	1	06/28/2025 19:30	WG2546486
4,6-Dinitro-2-methylphenol	ND		0.431	1	06/28/2025 19:30	WG2546486
2,4-Dinitrophenol	ND		0.431	1	06/28/2025 19:30	WG2546486
2-Nitrophenol	ND		0.431	1	06/28/2025 19:30	WG2546486
4-Nitrophenol	ND		0.431	1	06/28/2025 19:30	WG2546486
Pentachlorophenol	ND		0.431	1	06/28/2025 19:30	WG2546486
Phenol	ND		0.431	1	06/28/2025 19:30	WG2546486
2,4,6-Trichlorophenol	ND		0.431	1	06/28/2025 19:30	WG2546486
(S) 2-Fluorophenol	85.4		12.0-120		06/28/2025 19:30	WG2546486
(S) Phenol-d5	85.9		10.0-120		06/28/2025 19:30	WG2546486
(S) Nitrobenzene-d5	83.4		10.0-122		06/28/2025 19:30	WG2546486
(S) 2-Fluorobiphenyl	67.5		15.0-120		06/28/2025 19:30	WG2546486
(S) 2,4,6-Tribromophenol	56.0		10.0-127		06/28/2025 19:30	WG2546486
(S) p-Terphenyl-d14	81.9		10.0-120		06/28/2025 19:30	WG2546486

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		0.0427	1	06/30/2025 18:33	WG2549212
Acenaphthene	ND		0.0427	1	06/30/2025 18:33	WG2549212
Acenaphthylene	ND		0.0427	1	06/30/2025 18:33	WG2549212
Benzo(a)anthracene	ND		0.00776	1	06/30/2025 18:33	WG2549212
Benzo(a)pyrene	ND		0.0427	1	06/30/2025 18:33	WG2549212
Benzo(b)fluoranthene	ND		0.0427	1	06/30/2025 18:33	WG2549212
Benzo(g,h,i)perylene	ND		0.0427	1	06/30/2025 18:33	WG2549212
Benzo(k)fluoranthene	ND		0.0427	1	06/30/2025 18:33	WG2549212
Chrysene	ND		0.0427	1	06/30/2025 18:33	WG2549212
Dibenz(a,h)anthracene	ND		0.0427	1	06/30/2025 18:33	WG2549212
Fluoranthene	ND		0.0427	1	06/30/2025 18:33	WG2549212
Fluorene	ND		0.0427	1	06/30/2025 18:33	WG2549212
Indeno(1,2,3-cd)pyrene	ND		0.0427	1	06/30/2025 18:33	WG2549212
Naphthalene	ND		0.00388	1	06/30/2025 18:33	WG2549212
Phenanthrene	ND		0.0427	1	06/30/2025 18:33	WG2549212
Pyrene	ND		0.0427	1	06/30/2025 18:33	WG2549212
1-Methylnaphthalene	ND		0.00388	1	06/30/2025 18:33	WG2549212
2-Methylnaphthalene	ND		0.0155	1	06/30/2025 18:33	WG2549212
(S) p-Terphenyl-d14	145	J1	23.0-120		06/30/2025 18:33	WG2549212
(S) Nitrobenzene-d5	142		14.0-149		06/30/2025 18:33	WG2549212
(S) 2-Fluorobiphenyl	118		34.0-125		06/30/2025 18:33	WG2549212

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	6.77		1	07/17/2025 11:13	WG2560584

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	2200		25.7	1	06/27/2025 18:39	WG2544103

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	80.9		1	06/20/2025 16:48	WG2543290

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		12.4	1	06/26/2025 17:14	WG2544515

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	2200		124	5	06/27/2025 18:39	WG2548019

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.247	1	06/24/2025 03:27	WG2544395

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.32		1	06/26/2025 08:40	WG2547109

Sample Narrative:

L1871632-12 WG2547109: 8.32 at 23.9C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	2140	umhos/cm		10.0	1	06/26/2025 14:45	WG2547126

Sample Narrative:

L1871632-12 WG2547126: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		25.7	1.04	06/23/2025 07:02	WG2544103

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	16500		800	8	06/27/2025 10:36	WG2546263

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	4610		24.7	1	06/23/2025 12:53	WG2544343
Antimony	ND		2.47	1	06/23/2025 12:53	WG2544343
Beryllium	0.622		0.247	1	06/23/2025 12:53	WG2544343
Calcium	7180		124	1	06/23/2025 12:53	WG2544343
Chromium	9.73		1.24	1	06/23/2025 12:53	WG2544343
Cobalt	4.83		1.24	1	06/23/2025 12:53	WG2544343
Iron	7600		12.4	1	06/23/2025 12:53	WG2544343
Magnesium	2650		124	1	06/23/2025 12:53	WG2544343
Manganese	257		1.24	1	06/23/2025 12:53	WG2544343
Potassium	1490		124	1	06/23/2025 12:53	WG2544343
Sodium	1820		124	1	06/23/2025 12:53	WG2544343
Thallium	ND		2.47	1	06/23/2025 12:53	WG2544343
Vanadium	14.6		2.47	1	06/23/2025 12:53	WG2544343

¹ Cp² Tc³ Ss⁴ Cn⁵ Ds⁶ Sr⁷ Qc⁸ Gl⁹ Al¹⁰ Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.576		0.100	1	06/26/2025 18:08	WG2546152

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.71		0.124	5	06/23/2025 18:47	WG2544352
Barium	88.2		12.4	5	06/23/2025 18:47	WG2544352
Cadmium	0.350		0.124	5	06/23/2025 18:47	WG2544352
Copper	16.8		12.4	5	06/23/2025 18:47	WG2544352
Lead	21.5		12.4	5	06/23/2025 18:47	WG2544352
Nickel	ND		12.4	5	06/23/2025 18:47	WG2544352
Selenium	0.345		0.124	5	06/23/2025 18:47	WG2544352
Silver	ND		0.618	5	06/23/2025 18:47	WG2544352
Zinc	68.9		61.8	5	06/23/2025 18:47	WG2544352

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		3.69	25	06/21/2025 20:38	WG2543488
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	98.3		77.0-120		06/21/2025 20:38	WG2543488

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0737	1	06/21/2025 18:43	WG2543788
Acrylonitrile	ND		0.0184	1	06/21/2025 18:43	WG2543788
Benzene	ND		0.00147	1	06/21/2025 18:43	WG2543788
Bromobenzene	ND		0.0184	1	06/21/2025 18:43	WG2543788
Bromodichloromethane	ND		0.00369	1	06/21/2025 18:43	WG2543788
Bromoform	ND		0.0369	1	06/21/2025 18:43	WG2543788
Bromomethane	ND	C3	0.0184	1	06/21/2025 18:43	WG2543788
n-Butylbenzene	ND		0.0184	1	06/21/2025 18:43	WG2543788
sec-Butylbenzene	ND		0.0184	1	06/21/2025 18:43	WG2543788
tert-Butylbenzene	ND		0.00737	1	06/21/2025 18:43	WG2543788
Carbon tetrachloride	ND		0.00737	1	06/21/2025 18:43	WG2543788
Chlorobenzene	ND		0.00369	1	06/21/2025 18:43	WG2543788
Chlorodibromomethane	ND		0.00369	1	06/21/2025 18:43	WG2543788

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		0.00737	1	06/21/2025 18:43	WG2543788
Chloroform	ND		0.00369	1	06/21/2025 18:43	WG2543788
Chloromethane	ND		0.0184	1	06/21/2025 18:43	WG2543788
2-Chlorotoluene	ND		0.00369	1	06/21/2025 18:43	WG2543788
4-Chlorotoluene	ND		0.00737	1	06/21/2025 18:43	WG2543788
1,2-Dibromo-3-Chloropropane	ND		0.0369	1	06/21/2025 18:43	WG2543788
1,2-Dibromoethane	ND		0.00369	1	06/21/2025 18:43	WG2543788
Dibromomethane	ND		0.00737	1	06/21/2025 18:43	WG2543788
1,2-Dichlorobenzene	ND		0.00737	1	06/21/2025 18:43	WG2543788
1,3-Dichlorobenzene	ND		0.00737	1	06/21/2025 18:43	WG2543788
1,4-Dichlorobenzene	ND		0.00737	1	06/21/2025 18:43	WG2543788
Dichlorodifluoromethane	ND		0.00737	1	06/21/2025 18:43	WG2543788
1,1-Dichloroethane	ND		0.00369	1	06/21/2025 18:43	WG2543788
1,2-Dichloroethane	ND		0.00369	1	06/21/2025 18:43	WG2543788
1,1-Dichloroethene	ND		0.00369	1	06/21/2025 18:43	WG2543788
cis-1,2-Dichloroethene	ND		0.00369	1	06/21/2025 18:43	WG2543788
trans-1,2-Dichloroethene	ND		0.00737	1	06/21/2025 18:43	WG2543788
1,2-Dichloropropane	ND		0.00737	1	06/21/2025 18:43	WG2543788
1,1-Dichloropropene	ND		0.00369	1	06/21/2025 18:43	WG2543788
1,3-Dichloropropane	ND		0.00737	1	06/21/2025 18:43	WG2543788
cis-1,3-Dichloropropene	ND		0.00369	1	06/21/2025 18:43	WG2543788
trans-1,3-Dichloropropene	ND		0.00737	1	06/21/2025 18:43	WG2543788
2,2-Dichloropropane	ND		0.00369	1	06/21/2025 18:43	WG2543788
Di-isopropyl ether	ND		0.00147	1	06/21/2025 18:43	WG2543788
Ethylbenzene	ND		0.0147	1	06/21/2025 18:43	WG2543788
Hexachloro-1,3-butadiene	ND		0.0369	1	06/21/2025 18:43	WG2543788
Isopropylbenzene	ND		0.00369	1	06/21/2025 18:43	WG2543788
p-Isopropyltoluene	ND		0.00737	1	06/21/2025 18:43	WG2543788
2-Butanone (MEK)	ND		0.147	1	06/21/2025 18:43	WG2543788
Methylene Chloride	ND		0.0369	1	06/21/2025 18:43	WG2543788
4-Methyl-2-pentanone (MIBK)	ND		0.0369	1	06/21/2025 18:43	WG2543788
Methyl tert-butyl ether	ND		0.00147	1	06/21/2025 18:43	WG2543788
n-Propylbenzene	ND		0.00737	1	06/21/2025 18:43	WG2543788
Styrene	ND		0.0184	1	06/21/2025 18:43	WG2543788
1,1,1,2-Tetrachloroethane	ND		0.00369	1	06/21/2025 18:43	WG2543788
1,1,2,2-Tetrachloroethane	ND		0.00369	1	06/21/2025 18:43	WG2543788
1,1,2-Trichlorotrifluoroethane	ND		0.00369	1	06/21/2025 18:43	WG2543788
Tetrachloroethene	ND		0.00369	1	06/21/2025 18:43	WG2543788
Toluene	ND		0.0147	1	06/21/2025 18:43	WG2543788
1,2,3-Trichlorobenzene	ND		0.0184	1	06/21/2025 18:43	WG2543788
1,2,4-Trichlorobenzene	ND		0.0184	1	06/21/2025 18:43	WG2543788
1,1,1-Trichloroethane	ND		0.00369	1	06/21/2025 18:43	WG2543788
1,1,2-Trichloroethane	ND		0.00369	1	06/21/2025 18:43	WG2543788
Trichloroethene	ND		0.00147	1	06/21/2025 18:43	WG2543788
Trichlorofluoromethane	ND		0.00369	1	06/21/2025 18:43	WG2543788
1,2,3-Trichloropropane	ND		0.0184	1	06/21/2025 18:43	WG2543788
1,2,3-Trimethylbenzene	ND		0.00737	1	06/21/2025 18:43	WG2543788
1,2,4-Trimethylbenzene	ND		0.00737	1	06/21/2025 18:43	WG2543788
1,3,5-Trimethylbenzene	ND		0.00737	1	06/21/2025 18:43	WG2543788
Vinyl chloride	ND		0.00369	1	06/21/2025 18:43	WG2543788
Xylenes, Total	ND		0.147	1	06/21/2025 18:43	WG2543788
(S) Toluene-d8	94.9		75.0-131		06/21/2025 18:43	WG2543788
(S) 4-Bromofluorobenzene	105		67.0-138		06/21/2025 18:43	WG2543788
(S) 1,2-Dichloroethane-d4	109		70.0-130		06/21/2025 18:43	WG2543788



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	19.2		4.95	1	06/30/2025 21:19	WG2547467
C28-C36 Motor Oil Range	55.7		4.95	1	06/30/2025 21:19	WG2547467
(S) o-Terphenyl	62.9		18.0-148		06/30/2025 21:19	WG2547467

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		0.0412	1	06/28/2025 20:55	WG2546486
Benzidine	ND	J4	2.07	1	06/28/2025 20:55	WG2546486
Benzo(g,h,i)perylene	ND		0.0412	1	06/28/2025 20:55	WG2546486
Bis(2-chlorethoxy)methane	ND		0.412	1	06/28/2025 20:55	WG2546486
Bis(2-chloroethyl)ether	ND	C7	0.412	1	06/28/2025 20:55	WG2546486
2,2-Oxybis(1-Chloropropane)	ND		0.412	1	06/28/2025 20:55	WG2546486
4-Bromophenyl-phenylether	ND		0.412	1	06/28/2025 20:55	WG2546486
2-Chloronaphthalene	ND		0.0412	1	06/28/2025 20:55	WG2546486
4-Chlorophenyl-phenylether	ND		0.412	1	06/28/2025 20:55	WG2546486
1,2-Dichlorobenzene	ND		0.412	1	06/28/2025 20:55	WG2546486
1,3-Dichlorobenzene	ND		0.412	1	06/28/2025 20:55	WG2546486
1,4-Dichlorobenzene	ND		0.412	1	06/28/2025 20:55	WG2546486
3,3-Dichlorobenzidine	ND		0.412	1	06/28/2025 20:55	WG2546486
2,4-Dinitrotoluene	ND		0.412	1	06/28/2025 20:55	WG2546486
2,6-Dinitrotoluene	ND		0.412	1	06/28/2025 20:55	WG2546486
Hexachlorobenzene	ND	C3	0.412	1	06/28/2025 20:55	WG2546486
Hexachloro-1,3-butadiene	ND		0.412	1	06/28/2025 20:55	WG2546486
Hexachlorocyclopentadiene	ND	C3	0.412	1	06/28/2025 20:55	WG2546486
Hexachloroethane	ND		0.412	1	06/28/2025 20:55	WG2546486
Isophorone	ND		0.412	1	06/28/2025 20:55	WG2546486
Nitrobenzene	ND		0.412	1	06/28/2025 20:55	WG2546486
n-Nitrosodimethylamine	ND		0.412	1	06/28/2025 20:55	WG2546486
n-Nitrosodiphenylamine	ND		0.412	1	06/28/2025 20:55	WG2546486
n-Nitrosodi-n-propylamine	ND		0.412	1	06/28/2025 20:55	WG2546486
Phenanthrene	ND		0.0412	1	06/28/2025 20:55	WG2546486
Benzylbutyl phthalate	ND		0.412	1	06/28/2025 20:55	WG2546486
Bis(2-ethylhexyl)phthalate	ND		0.412	1	06/28/2025 20:55	WG2546486
Di-n-butyl phthalate	ND		0.412	1	06/28/2025 20:55	WG2546486
Diethyl phthalate	ND		0.412	1	06/28/2025 20:55	WG2546486
Dimethyl phthalate	ND		0.412	1	06/28/2025 20:55	WG2546486
Di-n-octyl phthalate	ND		0.412	1	06/28/2025 20:55	WG2546486
1,2,4-Trichlorobenzene	ND		0.412	1	06/28/2025 20:55	WG2546486
4-Chloro-3-methylphenol	ND		0.412	1	06/28/2025 20:55	WG2546486
2-Chlorophenol	ND		0.412	1	06/28/2025 20:55	WG2546486
2,4-Dichlorophenol	ND		0.412	1	06/28/2025 20:55	WG2546486
2,4-Dimethylphenol	ND		0.412	1	06/28/2025 20:55	WG2546486
4,6-Dinitro-2-methylphenol	ND		0.412	1	06/28/2025 20:55	WG2546486
2,4-Dinitrophenol	ND		0.412	1	06/28/2025 20:55	WG2546486
2-Nitrophenol	ND		0.412	1	06/28/2025 20:55	WG2546486
4-Nitrophenol	ND		0.412	1	06/28/2025 20:55	WG2546486
Pentachlorophenol	ND		0.412	1	06/28/2025 20:55	WG2546486
Phenol	ND		0.412	1	06/28/2025 20:55	WG2546486
2,4,6-Trichlorophenol	ND		0.412	1	06/28/2025 20:55	WG2546486
(S) 2-Fluorophenol	93.8		12.0-120		06/28/2025 20:55	WG2546486
(S) Phenol-d5	58.4		10.0-120		06/28/2025 20:55	WG2546486
(S) Nitrobenzene-d5	96.9		10.0-122		06/28/2025 20:55	WG2546486
(S) 2-Fluorobiphenyl	71.7		15.0-120		06/28/2025 20:55	WG2546486
(S) 2,4,6-Tribromophenol	57.8		10.0-127		06/28/2025 20:55	WG2546486
(S) p-Terphenyl-d14	85.7		10.0-120		06/28/2025 20:55	WG2546486

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		0.0408	1	06/28/2025 16:26	WG2547471
Acenaphthene	ND		0.0408	1	06/28/2025 16:26	WG2547471
Acenaphthylene	ND		0.0408	1	06/28/2025 16:26	WG2547471
Benzo(a)anthracene	ND		0.00742	1	06/28/2025 16:26	WG2547471
Benzo(a)pyrene	ND		0.0408	1	06/28/2025 16:26	WG2547471
Benzo(b)fluoranthene	ND		0.0408	1	06/28/2025 16:26	WG2547471
Benzo(g,h,i)perylene	ND		0.0408	1	06/28/2025 16:26	WG2547471
Benzo(k)fluoranthene	ND		0.0408	1	06/28/2025 16:26	WG2547471
Chrysene	ND		0.0408	1	06/28/2025 16:26	WG2547471
Dibenz(a,h)anthracene	ND		0.0408	1	06/28/2025 16:26	WG2547471
Fluoranthene	ND		0.0408	1	06/28/2025 16:26	WG2547471
Fluorene	ND		0.0408	1	06/28/2025 16:26	WG2547471
Indeno(1,2,3-cd)pyrene	ND		0.0408	1	06/28/2025 16:26	WG2547471
Naphthalene	ND		0.00371	1	06/28/2025 16:26	WG2547471
Phenanthrene	ND		0.0408	1	06/28/2025 16:26	WG2547471
Pyrene	ND		0.0408	1	06/28/2025 16:26	WG2547471
1-Methylnaphthalene	ND		0.00371	1	06/28/2025 16:26	WG2547471
2-Methylnaphthalene	ND		0.0148	1	06/28/2025 16:26	WG2547471
(S) p-Terphenyl-d14	89.6		23.0-120		06/28/2025 16:26	WG2547471
(S) Nitrobenzene-d5	94.5		14.0-149		06/28/2025 16:26	WG2547471
(S) 2-Fluorobiphenyl	93.1		34.0-125		06/28/2025 16:26	WG2547471

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	06/21/2025 10:21	WG2543520
Acrolein	ND		0.0500	1	06/21/2025 10:21	WG2543520
Acrylonitrile	ND		0.0100	1	06/21/2025 10:21	WG2543520
Benzene	ND		0.00100	1	06/21/2025 10:21	WG2543520
Bromobenzene	ND		0.00100	1	06/21/2025 10:21	WG2543520
Bromodichloromethane	ND		0.00100	1	06/21/2025 10:21	WG2543520
Bromoform	ND		0.00100	1	06/21/2025 10:21	WG2543520
Bromomethane	ND		0.00500	1	06/21/2025 10:21	WG2543520
n-Butylbenzene	ND		0.00100	1	06/21/2025 10:21	WG2543520
sec-Butylbenzene	ND		0.00100	1	06/21/2025 10:21	WG2543520
tert-Butylbenzene	ND		0.00100	1	06/21/2025 10:21	WG2543520
Carbon tetrachloride	ND		0.00100	1	06/21/2025 10:21	WG2543520
Chlorobenzene	ND		0.00100	1	06/21/2025 10:21	WG2543520
Chlorodibromomethane	ND		0.00100	1	06/21/2025 10:21	WG2543520
Chloroethane	ND		0.00500	1	06/21/2025 10:21	WG2543520
Chloroform	ND		0.00500	1	06/21/2025 10:21	WG2543520
Chloromethane	ND		0.00250	1	06/21/2025 10:21	WG2543520
2-Chlorotoluene	ND		0.00100	1	06/21/2025 10:21	WG2543520
4-Chlorotoluene	ND		0.00100	1	06/21/2025 10:21	WG2543520
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	06/21/2025 10:21	WG2543520
1,2-Dibromoethane	ND		0.00100	1	06/21/2025 10:21	WG2543520
Dibromomethane	ND		0.00100	1	06/21/2025 10:21	WG2543520
1,2-Dichlorobenzene	ND		0.00100	1	06/21/2025 10:21	WG2543520
1,3-Dichlorobenzene	ND		0.00100	1	06/21/2025 10:21	WG2543520
1,4-Dichlorobenzene	ND		0.00100	1	06/21/2025 10:21	WG2543520
Dichlorodifluoromethane	ND	J3	0.00500	1	06/21/2025 10:21	WG2543520
1,1-Dichloroethane	ND		0.00100	1	06/21/2025 10:21	WG2543520
1,2-Dichloroethane	ND		0.00100	1	06/21/2025 10:21	WG2543520
1,1-Dichloroethene	ND		0.00100	1	06/21/2025 10:21	WG2543520
cis-1,2-Dichloroethene	ND		0.00100	1	06/21/2025 10:21	WG2543520
trans-1,2-Dichloroethene	ND		0.00100	1	06/21/2025 10:21	WG2543520
1,2-Dichloropropane	ND		0.00100	1	06/21/2025 10:21	WG2543520
1,1-Dichloropropene	ND		0.00100	1	06/21/2025 10:21	WG2543520
1,3-Dichloropropane	ND		0.00100	1	06/21/2025 10:21	WG2543520
cis-1,3-Dichloropropene	ND		0.00100	1	06/21/2025 10:21	WG2543520
trans-1,3-Dichloropropene	ND		0.00100	1	06/21/2025 10:21	WG2543520
2,2-Dichloropropane	ND		0.00100	1	06/21/2025 10:21	WG2543520
Di-isopropyl ether	ND		0.00100	1	06/21/2025 10:21	WG2543520
Ethylbenzene	ND		0.00100	1	06/21/2025 10:21	WG2543520
Hexachloro-1,3-butadiene	ND		0.00100	1	06/21/2025 10:21	WG2543520
Isopropylbenzene	ND		0.00100	1	06/21/2025 10:21	WG2543520
p-Isopropyltoluene	ND		0.00100	1	06/21/2025 10:21	WG2543520
2-Butanone (MEK)	ND		0.0100	1	06/21/2025 10:21	WG2543520
Methylene Chloride	ND		0.00500	1	06/21/2025 10:21	WG2543520
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	06/21/2025 10:21	WG2543520
Methyl tert-butyl ether	ND		0.00100	1	06/21/2025 10:21	WG2543520
Naphthalene	ND		0.00500	1	06/21/2025 10:21	WG2543520
n-Propylbenzene	ND		0.00100	1	06/21/2025 10:21	WG2543520
Styrene	ND		0.00100	1	06/21/2025 10:21	WG2543520
1,1,1,2-Tetrachloroethane	ND		0.00100	1	06/21/2025 10:21	WG2543520
1,1,2,2-Tetrachloroethane	ND		0.00100	1	06/21/2025 10:21	WG2543520
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	06/21/2025 10:21	WG2543520
Tetrachloroethene	ND		0.00100	1	06/21/2025 10:21	WG2543520
Toluene	ND		0.00100	1	06/21/2025 10:21	WG2543520
1,2,3-Trichlorobenzene	ND		0.00100	1	06/21/2025 10:21	WG2543520
1,2,4-Trichlorobenzene	ND		0.00100	1	06/21/2025 10:21	WG2543520



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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00100	1	06/21/2025 10:21	WG2543520
1,1,2-Trichloroethane	ND		0.00100	1	06/21/2025 10:21	WG2543520
Trichloroethene	ND		0.00100	1	06/21/2025 10:21	WG2543520
Trichlorofluoromethane	ND		0.00500	1	06/21/2025 10:21	WG2543520
1,2,3-Trichloropropane	ND		0.00250	1	06/21/2025 10:21	WG2543520
1,2,4-Trimethylbenzene	ND		0.00100	1	06/21/2025 10:21	WG2543520
1,2,3-Trimethylbenzene	ND		0.00100	1	06/21/2025 10:21	WG2543520
1,3,5-Trimethylbenzene	ND		0.00100	1	06/21/2025 10:21	WG2543520
Vinyl chloride	ND		0.00100	1	06/21/2025 10:21	WG2543520
Xylenes, Total	ND		0.00300	1	06/21/2025 10:21	WG2543520
(S) Toluene-d8	101		80.0-120		06/21/2025 10:21	WG2543520
(S) 4-Bromofluorobenzene	94.4		77.0-126		06/21/2025 10:21	WG2543520
(S) 1,2-Dichloroethane-d4	101		70.0-130		06/21/2025 10:21	WG2543520

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		0.262	0.262	0.431	0.191	06/23/2025 18:52	WG2544955
Bismuth-214 (Ra-226)	0.842		0.192	0.192	0.260	0.118	06/23/2025 18:52	WG2544955
Lead-214	0.615		0.158	0.158	0.264	0.121	06/23/2025 18:52	WG2544955
Thorium-234 (U-238)	-1.80	<u>U</u>	1.60	1.60	3.44	1.37	06/23/2025 18:52	WG2544955
Radium-226 (186 KeV)	2.49		0.949	0.949	1.59	0.745	06/23/2025 18:52	WG2544955

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)	0.695		0.279	0.279	0.548	0.239	06/23/2025 18:52	WG2544955
Bismuth-214 (Ra-226)	0.653		0.184	0.184	0.244	0.107	06/23/2025 18:52	WG2544955
Lead-214	0.667		0.153	0.153	0.246	0.110	06/23/2025 18:52	WG2544955
Thorium-234 (U-238)	-0.00314	U	1.01	1.01	2.26	0.887	06/23/2025 18:52	WG2544955
Radium-226 (186 KeV)	0.932	U	0.725	0.725	1.31	0.604	06/23/2025 18:52	WG2544955

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)	1.29		0.331	0.331	0.581	0.251	06/23/2025 18:53	WG2544955
Bismuth-214 (Ra-226)	0.940		0.231	0.231	0.283	0.125	06/23/2025 18:53	WG2544955
Lead-214	0.563		0.334	0.334	0.269	0.121	06/23/2025 18:53	WG2544955
Thorium-234 (U-238)	0.757	<u>U</u>	0.926	0.926	2.15	0.855	06/23/2025 18:53	WG2544955
Radium-226 (186 KeV)	1.83		0.851	0.851	1.32	0.611	06/23/2025 18:53	WG2544955

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)	0.880		0.260	0.260	0.392	0.161	06/24/2025 09:12	WG2545209
Bismuth-214 (Ra-226)	0.970		0.208	0.208	0.238	0.103	06/24/2025 09:12	WG2545209
Lead-214	1.08		0.179	0.179	0.212	0.0938	06/24/2025 09:12	WG2545209
Thorium-234 (U-238)	0.380	<u>U</u>	1.05	1.05	2.36	0.929	06/24/2025 09:12	WG2545209
Radium-226 (186 KeV)	1.48		0.782	0.782	1.34	0.623	06/24/2025 09:12	WG2545209

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)	1.37		0.266	0.266	0.396	0.175	06/24/2025 09:14	WG2545209
Bismuth-214 (Ra-226)	1.08		0.176	0.176	0.169	0.0748	06/24/2025 09:14	WG2545209
Lead-214	1.04		0.146	0.146	0.169	0.0772	06/24/2025 09:14	WG2545209
Thorium-234 (U-238)	2.24		0.971	0.971	1.40	0.559	06/24/2025 09:14	WG2545209
Radium-226 (186 KeV)	2.06		0.688	0.688	1.02	0.482	06/24/2025 09:14	WG2545209

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)	1.09		0.294	0.294	0.511	0.222	06/24/2025 09:44	WG2545209
Bismuth-214 (Ra-226)	0.736		0.200	0.200	0.283	0.126	06/24/2025 09:44	WG2545209
Lead-214	1.01		0.197	0.197	0.301	0.138	06/24/2025 09:44	WG2545209
Thorium-234 (U-238)	1.27	U	1.00	1.00	2.28	0.914	06/24/2025 09:44	WG2545209
Radium-226 (186 KeV)	1.34	U	0.895	0.895	1.58	0.743	06/24/2025 09:44	WG2545209

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)	0.958		0.292	0.292	0.541	0.240	06/24/2025 09:44	WG2545209
Bismuth-214 (Ra-226)	0.904		0.205	0.205	0.264	0.118	06/24/2025 09:44	WG2545209
Lead-214	0.912		0.216	0.216	0.283	0.129	06/24/2025 09:44	WG2545209
Thorium-234 (U-238)	0.127	U	1.35	1.35	3.06	1.21	06/24/2025 09:44	WG2545209
Radium-226 (186 KeV)	1.61	U	0.934	0.934	1.65	0.774	06/24/2025 09:44	WG2545209

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)	0.495	U	0.456	0.456	1.09	0.487	06/24/2025 10:11	WG2545209
Bismuth-214 (Ra-226)	0.859		0.283	0.283	0.423	0.186	06/24/2025 10:11	WG2545209
Lead-214	1.06		0.251	0.251	0.367	0.163	06/24/2025 10:11	WG2545209
Thorium-234 (U-238)	0.535	U	1.96	1.96	4.59	1.82	06/24/2025 10:11	WG2545209
Radium-226 (186 KeV)	2.41		1.45	1.45	2.39	1.11	06/24/2025 10:11	WG2545209

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)	1.18		0.253	0.253	0.409	0.184	06/24/2025 10:12	WG2545209
Bismuth-214 (Ra-226)	0.871		0.179	0.179	0.249	0.115	06/24/2025 10:12	WG2545209
Lead-214	1.10		0.177	0.177	0.240	0.111	06/24/2025 10:12	WG2545209
Thorium-234 (U-238)	-0.778	U	1.41	1.41	3.05	1.22	06/24/2025 10:12	WG2545209
Radium-226 (186 KeV)	1.44	U	0.853	0.853	1.52	0.720	06/24/2025 10:12	WG2545209

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)	1.03		0.285	0.285	0.425	0.178	06/24/2025 10:13	WG2545209
Bismuth-214 (Ra-226)	1.07		0.211	0.211	0.223	0.0960	06/24/2025 10:13	WG2545209
Lead-214	0.936		0.175	0.175	0.222	0.0985	06/24/2025 10:13	WG2545209
Thorium-234 (U-238)	0.711	U	1.09	1.09	2.32	0.914	06/24/2025 10:13	WG2545209
Radium-226 (186 KeV)	0.969	U	0.776	0.776	1.40	0.653	06/24/2025 10:13	WG2545209

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4234941-1 06/23/25 16:25

Analyte	MB Result pCi/g	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/g	MB Lc pCi/g
Actinium-228 (Ra-228)	-0.163	⌋	0.220	0.771	0.334
Americium-241	0.122	⌋	0.173	0.324	0.150
Bismuth-214 (Ra-226)	-0.0726	⌋	0.152	0.349	0.151
Cesium-137	-0.00149	⌋	0.0728	0.157	0.0655
Cobalt-60	0.0230	⌋	0.0482	0.173	0.0673
Lead-214	-0.0966	⌋	0.119	0.319	0.141
Radium-226 (186 KeV)	0.523	⌋	0.714	1.35	0.605
Thorium-234 (U-238)	1.58	⌋	0.976	2.04	0.796

L1871611-41 Original Sample (OS) • Duplicate (DUP)

(OS) L1871611-41 06/23/25 17:21 • (DUP) R4234941-2 06/23/25 16:26

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)	0.704	0.263	0.556	0.247	0.523	0.161	0.308	0.138	29.5	0.587		20	3
Bismuth-214 (Ra-226)	0.514	0.171	0.264	0.118	0.561	0.118	0.148	0.0667	8.78	0.227		20	3
Lead-214	0.753	0.159	0.234	0.106	0.548	0.121	0.156	0.0719	31.5	1.02		20	3
Radium-226 (186 KeV)	1.18	0.842	1.41	0.659	1.02	0.538	0.945	0.446	15.2	0.167		20	3
Thorium-234 (U-238)	0.964	1.33	2.65	1.05	0.532	0.789	1.73	0.689	57.8	0.279	⌋	20	3

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

(LCS) R4234941-3 06/23/25 16:28 • (LCSD) R4234941-4 06/23/25 17:21

Analyte	Spike Amount pCi/g	LCS Result pCi/g	LCSD Result pCi/g	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Americium-241	36.9	31.9	33.2	86.5	90.0	80.0-120			3.96	20
Cesium-137	53.8	56.7	50.2	105	93.3	80.0-120			12.2	20
Cobalt-60	62.9	65.9	59.2	105	94.0	80.0-120			10.8	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) R4235216-1 06/24/25 08:53

Analyte	MB Result pCi/g	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/g	MB Lc pCi/g
Actinium-228 (Ra-228)	-0.0172	C	0.109	0.345	0.128
Americium-241	-0.0176	C	0.161	0.319	0.145
Bismuth-214 (Ra-226)	0.0629	C	0.110	0.211	0.0850
Cesium-137	0.0129	C	0.0613	0.128	0.0526
Cobalt-60	0.000961	C	0.0322	0.137	0.0503
Lead-214	0.115	C	0.150	0.325	0.147
Radium-226 (186 KeV)	0.468	C	0.592	1.04	0.460
Thorium-234 (U-238)	1.34	C	0.769	1.22	0.460

L1871676-38 Original Sample (OS) • Duplicate (DUP)

(OS) L1871676-38 06/24/25 10:59 • (DUP) R4235216-4 06/24/25 11:55

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)	0.747	0.276	0.557	0.249	0.935	0.425	0.957	0.428	22.4	0.373	J	20	3
Bismuth-214 (Ra-226)	0.638	0.194	0.297	0.135	0.836	0.261	0.387	0.172	26.8	0.607		20	3
Lead-214	0.806	0.183	0.277	0.126	0.911	0.244	0.398	0.181	12.2	0.344		20	3
Radium-226 (186 KeV)	0.625	0.961	1.84	0.861	3.20	1.31	2.03	0.936	135	1.58		20	3
Thorium-234 (U-238)	-1.10	1.70	3.79	1.50	-1.03	1.80	4.32	1.71	0.000	0.0271	U	20	3

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

(LCS) R4235216-2 06/24/25 08:53 • (LCSD) R4235216-3 06/24/25 09:40

Analyte	Spike Amount pCi/g	LCS Result pCi/g	LCSD Result pCi/g	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Americium-241	36.9	36.3	33.4	98.3	90.6	80.0-120			8.18	20
Cesium-137	53.8	59.0	59.2	110	110	80.0-120			0.372	20
Cobalt-60	62.9	66.2	58.8	105	93.5	80.0-120			11.8	20

Cp

Tc

Ss

Cn

Ds

Sr

Qc

Gl

Al

Sc

Method Blank (MB)

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

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

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

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

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

Laboratory Control Sample (LCS)

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

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

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4233954-1 06/20/25 16:48

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.00200			

L1871611-26 Original Sample (OS) • Duplicate (DUP)

(OS) L1871611-26 06/20/25 16:48 • (DUP) R4233954-3 06/20/25 16:48

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	93.7	92.8	1	0.949		10

Laboratory Control Sample (LCS)

(LCS) R4233954-2 06/20/25 16:48

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

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4236875-1 06/26/25 16:28

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

L1871611-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1871611-20 06/26/25 16:38 • (DUP) R4236875-5 06/26/25 16:40

	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

L1871611-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1871611-21 06/26/25 16:42 • (DUP) R4236875-6 06/26/25 16:43

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

Laboratory Control Sample (LCS)

(LCS) R4236875-2 06/26/25 16:30

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Ammonia Nitrogen	250	257	103	90.0-110	

L1871611-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871611-19 06/26/25 16:32 • (MS) R4236875-3 06/26/25 16:34 • (MSD) R4236875-4 06/26/25 16:36

	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	269	ND	283	279	105	104	1	90.0-110			1.51	20

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4236876-1 06/26/25 17:22

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

L1871676-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1871676-04 06/26/25 17:35 • (DUP) R4236876-5 06/26/25 17:36

	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

Sample Narrative:

OS: LCS failed high by 1%. Result is BDL.

L1871676-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1871676-06 06/26/25 17:38 • (DUP) R4236876-6 06/26/25 17:40

	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

Sample Narrative:

OS: LCS failed high by 1%. Result is BDL.

Laboratory Control Sample (LCS)

(LCS) R4236876-2 06/26/25 17:23

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Ammonia Nitrogen	250	277	111	90.0-110	J4

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

(OS) L1871632-06 06/26/25 17:25 • (MS) R4236876-3 06/26/25 17:27 • (MSD) R4236876-4 06/26/25 17:29

	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	%	%		%			%	%
Ammonia Nitrogen	289	ND	307	303	106	105	1	90.0-110			1.50	20

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

(OS) L1871632-06 06/26/25 17:25 • (MS) R4236876-3 06/26/25 17:27 • (MSD) R4236876-4 06/26/25 17:29

	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	%	%		%			%	%

Sample Narrative:

OS: LCS failed high by 1%. Result is BDL.

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4237503-1 06/27/25 17:55

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

Laboratory Control Sample (LCS)

(LCS) R4237503-2 06/27/25 17:57

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Kjeldahl Nitrogen, TKN	624	587	94.1	81.7-124	

L1871611-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871611-21 06/27/25 17:59 • (MS) R4237503-3 06/27/25 18:01 • (MSD) R4237503-4 06/27/25 18:03

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Kjeldahl Nitrogen, TKN	435	630	869	807	54.9	40.6	1	81.7-124	J6	J6	7.41	20

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

(OS) L1871632-06 06/27/25 18:26 • (MS) R4237503-7 06/27/25 18:27 • (MSD) R4237503-8 06/27/25 18:29

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Kjeldahl Nitrogen, TKN	463	1340	1610	1420	58.2	18.4	1	81.7-124	E J6	E J6	12.2	20

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

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

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

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

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

	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

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

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

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

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

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

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

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

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

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

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

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

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

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

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

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

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

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4235774-1 06/24/25 01:12

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

L1871632-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1871632-10 06/24/25 03:00 • (DUP) R4235774-7 06/24/25 03:09

	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) R4235774-2 06/24/25 01:21

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Hexavalent Chromium	10.0	9.52	95.2	80.0-120	

L1871632-09 Original Sample (OS) • Matrix Spike (MS)

(OS) L1871632-09 06/24/25 01:57 • (MS) R4235774-5 06/24/25 02:24

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/kg	mg/kg	mg/kg	%		%	
Hexavalent Chromium	843	ND	16.9	2.01	50	75.0-125	J6

L1871632-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871632-09 06/24/25 22:38 • (MS) R4235783-1 06/24/25 20:32 • (MSD) R4235783-2 06/24/25 20:43

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Hexavalent Chromium	26.3	ND	0.398	0.485	1.51	1.84	1	75.0-125	J6	J6	19.8	20

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4234513-1 06/23/25 04:07

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Nitrate-Nitrite	0.797	⬇	0.606	20.0

Laboratory Control Sample (LCS)

(LCS) R4234513-2 06/23/25 04:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	40.0	36.5	91.2	80.0-120	

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

(OS) L1871632-06 06/23/25 05:28 • (MS) R4234513-3 06/23/25 05:41 • (MSD) R4234513-4 06/23/25 05:55

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	46.3	ND	48.3	47.1	101	98.3	1.02	80.0-120			2.50	15



Method Blank (MB)

(MB) R4236969-1 06/26/25 23:40

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

L1871676-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1871676-16 06/26/25 23:49 • (DUP) R4236969-7 06/26/25 23:50

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
TOC By Walkley Black	2360	2280	1	3.38		20

L1872046-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1872046-10 06/26/25 23:52 • (DUP) R4236969-8 06/26/25 23:52

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
TOC By Walkley Black	7490	7660	4	2.25		20

Laboratory Control Sample (LCS)

(LCS) R4236969-2 06/26/25 23:40

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
TOC By Walkley Black	3230	3800	118	75.0-144	

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

(OS) L1871632-06 06/26/25 23:41 • (MS) R4236969-3 06/26/25 23:43 • (MSD) R4236969-4 06/26/25 23:43

	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	5380	25700	25600	102	101	5	80.0-120			0.458	20

L1871676-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871676-15 06/26/25 23:45 • (MS) R4236969-5 06/26/25 23:49 • (MSD) R4236969-6 06/26/25 23:49

	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	20300	39500	39200	95.8	94.7	5	80.0-120			0.555	20

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4237172-1 06/27/25 10:30

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

L1872046-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1872046-02 06/27/25 10:37 • (DUP) R4237172-4 06/27/25 10:37

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
TOC By Walkley Black	93600	93800	43	0.190		20

L1872514-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1872514-02 06/27/25 10:46 • (DUP) R4237172-6 06/27/25 10:48

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
TOC By Walkley Black	9060	9720	5	7.03		20

Laboratory Control Sample (LCS)

(LCS) R4237172-3 06/27/25 10:36

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
TOC By Walkley Black	3230	3400	105	75.0-144	

L1872514-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1872514-01 06/27/25 10:45 • (MS) R4237172-2 06/27/25 10:45 • (MSD) R4237172-5 06/27/25 10:46

	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	4000	6360	9770	9730	85.3	84.3	1	80.0-120			0.431	20

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4234693-1 06/23/25 12:24

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Aluminum	U		6.08	20.0
Antimony	U		0.691	2.00
Beryllium	U		0.0477	0.200
Calcium	U		19.0	100
Chromium	U		0.214	1.00
Cobalt	U		0.177	1.00
Iron	U		2.24	10.0
Magnesium	U		19.9	100
Manganese	U		0.173	1.00
Potassium	U		20.9	100
Sodium	U		41.2	100
Thallium	U		0.518	2.00
Vanadium	U		0.383	2.00

Laboratory Control Sample (LCS)

(LCS) R4234693-2 06/23/25 12:25

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	1000	941	94.1	80.0-120	
Antimony	100	94.5	94.5	80.0-120	
Beryllium	100	98.5	98.5	80.0-120	
Calcium	1000	983	98.3	80.0-120	
Chromium	100	98.6	98.6	80.0-120	
Cobalt	100	92.0	92.0	80.0-120	
Iron	1000	987	98.7	80.0-120	
Magnesium	1000	954	95.4	80.0-120	
Manganese	100	99.3	99.3	80.0-120	
Potassium	1000	959	95.9	80.0-120	
Sodium	1000	974	97.4	80.0-120	
Thallium	100	99.4	99.4	80.0-120	
Vanadium	100	95.7	95.7	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(OS) L1871632-06 06/23/25 12:27 • (MS) R4234693-5 06/23/25 12:32 • (MSD) R4234693-6 06/23/25 12:34

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Aluminum	1160	4880	3820	5990	0.000	96.3	1	75.0-125	V	J3	44.3	20
Antimony	116	ND	88.2	84.7	76.2	73.1	1	75.0-125		J6	4.05	20
Beryllium	116	0.556	108	117	93.2	101	1	75.0-125			7.72	20
Calcium	1160	7260	4720	8430	0.000	101	1	75.0-125	V	J3	56.5	20
Chromium	116	6.03	112	121	91.6	99.5	1	75.0-125			7.91	20
Cobalt	116	4.15	106	116	88.3	97.0	1	75.0-125			9.02	20
Iron	1160	7770	4730	7750	0.000	0.000	1	75.0-125	V	J3 V	48.5	20
Magnesium	1160	2320	2270	3330	0.000	86.9	1	75.0-125	J6	J3	37.8	20
Manganese	116	211	237	322	22.4	96.4	1	75.0-125	J6	J3	30.6	20
Potassium	1160	1580	1880	2520	26.4	81.4	1	75.0-125	J6	J3	28.9	20
Sodium	1160	138	1140	1260	86.5	97.0	1	75.0-125			10.1	20
Thallium	116	ND	111	120	96.3	104	1	75.0-125			7.48	20
Vanadium	116	14.7	111	125	83.5	95.4	1	75.0-125			11.6	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) R4237241-1 06/26/25 17:29

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

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

(LCS) R4237241-2 06/26/25 17:32 • (LCSD) R4237241-3 06/26/25 17:35

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	1.03	104	103	80.0-120			0.570	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4237225-1 06/26/25 14:24

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

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

(LCS) R4237225-2 06/26/25 14:27 • (LCSD) R4237225-3 06/26/25 14:30

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	0.999	0.981	99.9	98.1	80.0-120			1.88	20



Method Blank (MB)

(MB) R4234824-1 06/23/25 17:54

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) R4234824-2 06/23/25 17:57

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	96.8	96.8	80.0-120	
Barium	100	90.4	90.4	80.0-120	
Cadmium	100	96.3	96.3	80.0-120	
Copper	100	98.3	98.3	80.0-120	
Lead	100	100	100	80.0-120	
Nickel	100	101	101	80.0-120	
Selenium	100	93.5	93.5	80.0-120	
Silver	20.0	19.1	95.7	80.0-120	
Zinc	100	95.8	95.8	80.0-120	

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

(OS) L1871632-06 06/23/25 18:00 • (MS) R4234824-5 06/23/25 18:10 • (MSD) R4234824-6 06/23/25 18:13

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	116	4.44	101	114	83.6	94.7	5	75.0-125			11.9	20
Barium	116	76.4	135	178	50.9	88.0	5	75.0-125	J6	J3	27.4	20
Cadmium	116	0.320	102	110	87.9	94.5	5	75.0-125			7.13	20
Copper	116	14.9	106	118	78.4	89.5	5	75.0-125			11.4	20
Lead	116	24.5	115	127	78.6	88.7	5	75.0-125			9.59	20
Nickel	116	ND	107	122	92.8	106	5	75.0-125			12.9	20
Selenium	116	0.326	99.0	99.4	85.2	85.6	5	75.0-125			0.467	20
Silver	23.1	ND	20.6	22.1	89.1	95.5	5	75.0-125			6.89	20

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

(OS) L1871632-06 06/23/25 18:00 • (MS) R4234824-5 06/23/25 18:10 • (MSD) R4234824-6 06/23/25 18:13

	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	116	69.5	131	154	53.1	73.2	5	75.0-125	<u>J6</u>	<u>J6</u>	16.3	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4234168-3 06/21/25 12:23

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)	97.4			77.0-120

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

(LCS) R4234168-1 06/21/25 11:11 • (LCSD) R4234168-2 06/21/25 11:36

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	4.31	4.33	86.2	86.6	72.0-127			0.463	20
(S) a,a,a-Trifluorotoluene(FID)				106	105	77.0-120				

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

(OS) L1871632-06 06/21/25 18:41 • (MS) R4234168-4 06/21/25 21:01 • (MSD) R4234168-5 06/21/25 21:24

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	164	ND	159	154	96.8	93.6	25	10.0-151			3.36	28
(S) a,a,a-Trifluorotoluene(FID)					107	108		77.0-120				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

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

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Acrolein	U		0.00254	0.0500
Acrylonitrile	U		0.000671	0.0100
Benzene	U		0.0000941	0.00100
Bromobenzene	U		0.000118	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
tert-Butylbenzene	U		0.000127	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
2-Chlorotoluene	U		0.000106	0.00100
4-Chlorotoluene	U		0.000114	0.00100
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500
1,2-Dibromoethane	U		0.000126	0.00100
Dibromomethane	U		0.000122	0.00100
1,2-Dichlorobenzene	U		0.000107	0.00100
1,3-Dichlorobenzene	U		0.000110	0.00100
1,4-Dichlorobenzene	U		0.000120	0.00100
Dichlorodifluoromethane	U		0.000374	0.00500
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
1,1-Dichloropropene	U		0.000142	0.00100
1,3-Dichloropropane	U		0.000110	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
2,2-Dichloropropane	U		0.000161	0.00100
Di-isopropyl ether	U		0.000105	0.00100
Ethylbenzene	U		0.000137	0.00100
Hexachloro-1,3-butadiene	U		0.000337	0.00100

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

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

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,2,3-Trichlorobenzene	U		0.000230	0.00100
1,2,4-Trichlorobenzene	U		0.000481	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
Trichlorofluoromethane	U		0.000160	0.00500
1,2,3-Trichloropropane	U		0.000237	0.00250
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,2,3-Trimethylbenzene	U		0.000104	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	99.7			80.0-120
(S) 4-Bromofluorobenzene	94.9			77.0-126
(S) 1,2-Dichloroethane-d4	105			70.0-130

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

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

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0271	0.0237	108	94.8	19.0-160			13.4	27
Acrolein	0.0250	0.0229	0.0287	91.6	115	10.0-160			22.5	26
Acrylonitrile	0.0250	0.0282	0.0252	113	101	55.0-149			11.2	20
Benzene	0.00500	0.00486	0.00445	97.2	89.0	70.0-123			8.81	20

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

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

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

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

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

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	0.0250	0.0277	0.0247	111	98.8	68.0-142			11.5	20
Methyl tert-butyl ether	0.00500	0.00522	0.00484	104	96.8	68.0-125			7.55	20
Naphthalene	0.00500	0.00436	0.00376	87.2	75.2	54.0-135			14.8	20
n-Propylbenzene	0.00500	0.00482	0.00446	96.4	89.2	77.0-124			7.76	20
Styrene	0.00500	0.00499	0.00457	99.8	91.4	73.0-130			8.79	20
1,1,1,2-Tetrachloroethane	0.00500	0.00504	0.00456	101	91.2	75.0-125			10.0	20
1,1,2,2-Tetrachloroethane	0.00500	0.00477	0.00480	95.4	96.0	65.0-130			0.627	20
1,1,2-Trichlorotrifluoroethane	0.00500	0.00520	0.00444	104	88.8	69.0-132			15.8	20
Tetrachloroethene	0.00500	0.00525	0.00466	105	93.2	72.0-132			11.9	20
Toluene	0.00500	0.00505	0.00454	101	90.8	79.0-120			10.6	20
1,2,3-Trichlorobenzene	0.00500	0.00454	0.00379	90.8	75.8	50.0-138			18.0	20
1,2,4-Trichlorobenzene	0.00500	0.00440	0.00383	88.0	76.6	57.0-137			13.9	20
1,1,1-Trichloroethane	0.00500	0.00526	0.00480	105	96.0	73.0-124			9.15	20
1,1,2-Trichloroethane	0.00500	0.00535	0.00480	107	96.0	80.0-120			10.8	20
Trichloroethene	0.00500	0.00525	0.00448	105	89.6	78.0-124			15.8	20
Trichlorofluoromethane	0.00500	0.00541	0.00473	108	94.6	59.0-147			13.4	20
1,2,3-Trichloropropane	0.00500	0.00555	0.00504	111	101	73.0-130			9.63	20
1,2,4-Trimethylbenzene	0.00500	0.00506	0.00485	101	97.0	76.0-121			4.24	20
1,2,3-Trimethylbenzene	0.00500	0.00491	0.00447	98.2	89.4	77.0-120			9.38	20
1,3,5-Trimethylbenzene	0.00500	0.00509	0.00478	102	95.6	76.0-122			6.28	20
Vinyl chloride	0.00500	0.00478	0.00439	95.6	87.8	67.0-131			8.51	20
Xylenes, Total	0.0150	0.0154	0.0144	103	96.0	79.0-123			6.71	20
(S) Toluene-d8				99.4	99.4	80.0-120				
(S) 4-Bromofluorobenzene				97.6	97.7	77.0-126				
(S) 1,2-Dichloroethane-d4				104	106	70.0-130				

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4234186-3 06/21/25 12:22

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	0.0475	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

1
Cp

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Method Blank (MB)

(MB) R4234186-3 06/21/25 12:22

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	96.8			75.0-131
(S) 4-Bromofluorobenzene	103			67.0-138
(S) 1,2-Dichloroethane-d4	105			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4234186-1 06/21/25 10:20 • (LCSD) R4234186-2 06/21/25 10:40

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.709	0.737	113	118	10.0-160			3.87	31
Acrylonitrile	0.625	0.711	0.762	114	122	45.0-153			6.92	22
Benzene	0.125	0.122	0.125	97.6	100	70.0-123			2.43	20
Bromobenzene	0.125	0.123	0.125	98.4	100	73.0-121			1.61	20
Bromodichloromethane	0.125	0.128	0.137	102	110	73.0-121			6.79	20
Bromoform	0.125	0.137	0.140	110	112	64.0-132			2.17	20

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

(LCS) R4234186-1 06/21/25 10:20 • (LCSD) R4234186-2 06/21/25 10:40

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromomethane	0.125	0.0824	0.0922	65.9	73.8	56.0-147			11.2	20
n-Butylbenzene	0.125	0.114	0.114	91.2	91.2	68.0-135			0.000	20
sec-Butylbenzene	0.125	0.124	0.121	99.2	96.8	74.0-130			2.45	20
tert-Butylbenzene	0.125	0.125	0.128	100	102	75.0-127			2.37	20
Carbon tetrachloride	0.125	0.147	0.149	118	119	66.0-128			1.35	20
Chlorobenzene	0.125	0.123	0.121	98.4	96.8	76.0-128			1.64	20
Chlorodibromomethane	0.125	0.132	0.135	106	108	74.0-127			2.25	20
Chloroethane	0.125	0.115	0.119	92.0	95.2	61.0-134			3.42	20
Chloroform	0.125	0.121	0.122	96.8	97.6	72.0-123			0.823	20
Chloromethane	0.125	0.106	0.107	84.8	85.6	51.0-138			0.939	20
2-Chlorotoluene	0.125	0.126	0.130	101	104	75.0-124			3.12	20
4-Chlorotoluene	0.125	0.124	0.125	99.2	100	75.0-124			0.803	20
1,2-Dibromo-3-Chloropropane	0.125	0.126	0.133	101	106	59.0-130			5.41	20
1,2-Dibromoethane	0.125	0.139	0.137	111	110	74.0-128			1.45	20
Dibromomethane	0.125	0.137	0.140	110	112	75.0-122			2.17	20
1,2-Dichlorobenzene	0.125	0.127	0.127	102	102	76.0-124			0.000	20
1,3-Dichlorobenzene	0.125	0.124	0.122	99.2	97.6	76.0-125			1.63	20
1,4-Dichlorobenzene	0.125	0.115	0.121	92.0	96.8	77.0-121			5.08	20
Dichlorodifluoromethane	0.125	0.132	0.131	106	105	43.0-156			0.760	20
1,1-Dichloroethane	0.125	0.129	0.130	103	104	70.0-127			0.772	20
1,2-Dichloroethane	0.125	0.125	0.134	100	107	65.0-131			6.95	20
1,1-Dichloroethene	0.125	0.128	0.130	102	104	65.0-131			1.55	20
cis-1,2-Dichloroethene	0.125	0.124	0.127	99.2	102	73.0-125			2.39	20
trans-1,2-Dichloroethene	0.125	0.122	0.126	97.6	101	71.0-125			3.23	20
1,2-Dichloropropane	0.125	0.127	0.127	102	102	74.0-125			0.000	20
1,1-Dichloropropene	0.125	0.136	0.133	109	106	73.0-125			2.23	20
1,3-Dichloropropane	0.125	0.131	0.129	105	103	80.0-125			1.54	20
cis-1,3-Dichloropropene	0.125	0.130	0.135	104	108	76.0-127			3.77	20
trans-1,3-Dichloropropene	0.125	0.136	0.133	109	106	73.0-127			2.23	20
2,2-Dichloropropane	0.125	0.125	0.129	100	103	59.0-135			3.15	20
Di-isopropyl ether	0.125	0.124	0.124	99.2	99.2	60.0-136			0.000	20
Ethylbenzene	0.125	0.130	0.128	104	102	74.0-126			1.55	20
Hexachloro-1,3-butadiene	0.125	0.123	0.116	98.4	92.8	57.0-150			5.86	20
Isopropylbenzene	0.125	0.132	0.130	106	104	72.0-127			1.53	20
p-Isopropyltoluene	0.125	0.126	0.124	101	99.2	72.0-133			1.60	20
2-Butanone (MEK)	0.625	0.756	0.855	121	137	30.0-160			12.3	24
Methylene Chloride	0.125	0.118	0.125	94.4	100	68.0-123			5.76	20
4-Methyl-2-pentanone (MIBK)	0.625	0.725	0.725	116	116	56.0-143			0.000	20
Methyl tert-butyl ether	0.125	0.147	0.152	118	122	66.0-132			3.34	20
n-Propylbenzene	0.125	0.118	0.115	94.4	92.0	74.0-126			2.58	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4234186-1 06/21/25 10:20 • (LCSD) R4234186-2 06/21/25 10:40

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Styrene	0.125	0.147	0.139	118	111	72.0-127			5.59	20
1,1,1,2-Tetrachloroethane	0.125	0.138	0.138	110	110	74.0-129			0.000	20
1,1,2,2-Tetrachloroethane	0.125	0.118	0.113	94.4	90.4	68.0-128			4.33	20
1,1,2-Trichlorotrifluoroethane	0.125	0.141	0.145	113	116	61.0-139			2.80	20
Tetrachloroethene	0.125	0.133	0.130	106	104	70.0-136			2.28	20
Toluene	0.125	0.122	0.115	97.6	92.0	75.0-121			5.91	20
1,2,3-Trichlorobenzene	0.125	0.101	0.116	80.8	92.8	59.0-139			13.8	20
1,2,4-Trichlorobenzene	0.125	0.116	0.120	92.8	96.0	62.0-137			3.39	20
1,1,1-Trichloroethane	0.125	0.133	0.144	106	115	69.0-126			7.94	20
1,1,2-Trichloroethane	0.125	0.128	0.127	102	102	78.0-123			0.784	20
Trichloroethene	0.125	0.140	0.139	112	111	76.0-126			0.717	20
Trichlorofluoromethane	0.125	0.134	0.133	107	106	61.0-142			0.749	20
1,2,3-Trichloropropane	0.125	0.130	0.142	104	114	67.0-129			8.82	20
1,2,3-Trimethylbenzene	0.125	0.128	0.124	102	99.2	74.0-124			3.17	20
1,2,4-Trimethylbenzene	0.125	0.124	0.128	99.2	102	70.0-126			3.17	20
1,3,5-Trimethylbenzene	0.125	0.126	0.125	101	100	73.0-127			0.797	20
Vinyl chloride	0.125	0.122	0.125	97.6	100	63.0-134			2.43	20
Xylenes, Total	0.375	0.390	0.382	104	102	72.0-127			2.07	20
(S) Toluene-d8				96.5	95.3	75.0-131				
(S) 4-Bromofluorobenzene				104	103	67.0-138				
(S) 1,2-Dichloroethane-d4				105	112	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

(OS) L1871632-06 06/21/25 17:02 • (MS) R4234186-4 06/21/25 22:26 • (MSD) R4234186-5 06/21/25 22:46

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Acetone	0.822	ND	0.701	0.787	85.3	95.8	1	10.0-160			11.7	40
Acrylonitrile	0.822	ND	0.929	0.946	113	115	1	10.0-160			1.82	40
Benzene	0.164	ND	0.145	0.154	88.0	93.6	1	10.0-149			6.17	37
Bromobenzene	0.164	ND	0.149	0.162	90.4	98.4	1	10.0-156			8.47	38
Bromodichloromethane	0.164	ND	0.162	0.172	98.4	105	1	10.0-143			6.30	37
Bromoform	0.164	ND	0.150	0.160	91.2	97.6	1	10.0-146			6.78	36
Bromomethane	0.164	ND	0.0674	0.0657	41.0	40.0	1	10.0-149			2.57	38
n-Butylbenzene	0.164	ND	0.143	0.159	87.2	96.8	1	10.0-160			10.4	40
sec-Butylbenzene	0.164	ND	0.152	0.166	92.8	101	1	10.0-159			8.26	39
tert-Butylbenzene	0.164	ND	0.155	0.168	94.4	102	1	10.0-156			8.13	39
Carbon tetrachloride	0.164	ND	0.160	0.183	97.6	111	1	10.0-145			13.0	37
Chlorobenzene	0.164	ND	0.147	0.156	89.6	95.2	1	10.0-152			6.06	39

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

(OS) L1871632-06 06/21/25 17:02 • (MS) R4234186-4 06/21/25 22:26 • (MSD) R4234186-5 06/21/25 22:46

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chlorodibromomethane	0.164	ND	0.146	0.163	88.8	99.2	1	10.0-146			11.1	37
Chloroethane	0.164	ND	0.0518	0.0716	31.5	43.6	1	10.0-146			32.2	40
Chloroform	0.164	ND	0.152	0.158	92.8	96.0	1	10.0-146			3.39	37
Chloromethane	0.164	ND	0.114	0.121	69.2	73.8	1	10.0-159			6.49	37
2-Chlorotoluene	0.164	ND	0.159	0.166	96.8	101	1	10.0-159			4.05	38
4-Chlorotoluene	0.164	ND	0.156	0.166	95.2	101	1	10.0-155			5.71	39
1,2-Dibromo-3-Chloropropane	0.164	ND	0.135	0.158	82.4	96.0	1	10.0-151			15.2	39
1,2-Dibromoethane	0.164	ND	0.149	0.159	90.4	96.8	1	10.0-148			6.84	34
Dibromomethane	0.164	ND	0.156	0.168	95.2	102	1	10.0-147			7.29	35
1,2-Dichlorobenzene	0.164	ND	0.151	0.162	92.0	98.4	1	10.0-155			6.72	37
1,3-Dichlorobenzene	0.164	ND	0.150	0.164	91.2	100	1	10.0-153			9.21	38
1,4-Dichlorobenzene	0.164	ND	0.146	0.162	88.8	98.4	1	10.0-151			10.3	38
Dichlorodifluoromethane	0.164	ND	0.131	0.133	80.0	80.8	1	10.0-160			0.995	35
1,1-Dichloroethane	0.164	ND	0.159	0.166	96.8	101	1	10.0-147			4.05	37
1,2-Dichloroethane	0.164	ND	0.158	0.162	96.0	98.4	1	10.0-148			2.47	35
1,1-Dichloroethene	0.164	ND	0.152	0.158	92.8	96.0	1	10.0-155			3.39	37
cis-1,2-Dichloroethene	0.164	ND	0.145	0.159	88.0	96.8	1	10.0-149			9.52	37
trans-1,2-Dichloroethene	0.164	ND	0.141	0.150	85.6	91.2	1	10.0-150			6.33	37
1,2-Dichloropropane	0.164	ND	0.154	0.166	93.6	101	1	10.0-148			7.41	37
1,1-Dichloropropene	0.164	ND	0.156	0.175	95.2	106	1	10.0-153			11.1	35
1,3-Dichloropropane	0.164	ND	0.149	0.160	90.4	97.6	1	10.0-154			7.66	35
cis-1,3-Dichloropropene	0.164	ND	0.152	0.171	92.8	104	1	10.0-151			11.4	37
trans-1,3-Dichloropropene	0.164	ND	0.154	0.167	93.6	102	1	10.0-148			8.20	37
2,2-Dichloropropane	0.164	ND	0.155	0.168	94.4	102	1	10.0-138			8.13	36
Di-isopropyl ether	0.164	ND	0.155	0.170	94.4	103	1	10.0-147			8.91	36
Ethylbenzene	0.164	ND	0.156	0.164	95.2	100	1	10.0-160			4.92	38
Hexachloro-1,3-butadiene	0.164	ND	0.154	0.181	93.6	110	1	10.0-160			16.5	40
Isopropylbenzene	0.164	ND	0.160	0.172	97.6	105	1	10.0-155			7.11	38
p-Isopropyltoluene	0.164	ND	0.154	0.170	93.6	103	1	10.0-160			9.76	40
2-Butanone (MEK)	0.822	ND	0.985	1.05	120	127	1	10.0-160			6.08	40
Methylene Chloride	0.164	ND	0.146	0.158	88.8	96.0	1	10.0-141			7.79	37
4-Methyl-2-pentanone (MIBK)	0.822	ND	0.861	0.925	105	113	1	10.0-160			7.21	35
Methyl tert-butyl ether	0.164	ND	0.180	0.191	110	116	1	11.0-147			5.67	35
n-Propylbenzene	0.164	ND	0.147	0.156	89.6	95.2	1	10.0-158			6.06	38
Styrene	0.164	ND	0.171	0.177	104	108	1	10.0-160			3.77	40
1,1,1,2-Tetrachloroethane	0.164	ND	0.163	0.175	99.2	106	1	10.0-149			7.00	39
1,1,2,2-Tetrachloroethane	0.164	ND	0.133	0.134	80.8	81.6	1	10.0-160			0.985	35
1,1,2-Trichlorotrifluoroethane	0.164	ND	0.180	0.189	110	115	1	10.0-160			4.98	36
Tetrachloroethene	0.164	ND	0.151	0.163	92.0	99.2	1	10.0-156			7.53	39

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

(OS) L1871632-06 06/21/25 17:02 • (MS) R4234186-4 06/21/25 22:26 • (MSD) R4234186-5 06/21/25 22:46

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Toluene	0.164	ND	0.141	0.151	85.6	92.0	1	10.0-156			7.21	38
1,2,3-Trichlorobenzene	0.164	ND	0.127	0.155	77.0	94.4	1	10.0-160			20.3	40
1,2,4-Trichlorobenzene	0.164	ND	0.137	0.155	83.2	94.4	1	10.0-160			12.6	40
1,1,1-Trichloroethane	0.164	ND	0.167	0.179	102	109	1	10.0-144			6.84	35
1,1,2-Trichloroethane	0.164	ND	0.146	0.156	88.8	95.2	1	10.0-160			6.96	35
Trichloroethene	0.164	ND	0.164	0.177	100	108	1	10.0-156			7.69	38
Trichlorofluoromethane	0.164	ND	0.0503	0.0598	30.6	36.4	1	10.0-160			17.2	40
1,2,3-Trichloropropane	0.164	ND	0.152	0.167	92.8	102	1	10.0-156			9.05	35
1,2,3-Trimethylbenzene	0.164	ND	0.154	0.167	93.6	102	1	10.0-160			8.20	36
1,2,4-Trimethylbenzene	0.164	ND	0.156	0.170	95.2	103	1	10.0-160			8.06	36
1,3,5-Trimethylbenzene	0.164	ND	0.154	0.164	93.6	100	1	10.0-160			6.61	38
Vinyl chloride	0.164	ND	0.135	0.145	82.4	88.0	1	10.0-160			6.57	37
Xylenes, Total	0.493	ND	0.468	0.478	94.9	97.1	1	10.0-160			2.22	38
(S) Toluene-d8					97.1	95.8		75.0-131				
(S) 4-Bromofluorobenzene					103	102		67.0-138				
(S) 1,2-Dichloroethane-d4					111	112		70.0-130				

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4238747-1 06/30/25 18:15

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	0.803	⬇	0.274	4.00
(S) o-Terphenyl	79.9			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4238747-2 06/30/25 18:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	47.1	94.2	50.0-150	
(S) o-Terphenyl			91.9	18.0-148	

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

(OS) L1871632-06 06/30/25 20:29 • (MS) R4238747-3 06/30/25 20:54 • (MSD) R4238747-4 06/30/25 21:19

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	56.5	13.4	61.0	66.0	84.2	92.8	1	50.0-150			7.84	20
(S) o-Terphenyl					54.0	55.5		18.0-148				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4237950-2 06/28/25 18:23

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthylene	U		0.00567	0.0333
Benzidine	U		0.999	1.67
Benzo(g,h,i)perylene	U		0.00644	0.0333
Bis(2-chlorethoxy)methane	U		0.0361	0.333
Bis(2-chloroethyl)ether	U		0.0629	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0326	0.333
4-Bromophenyl-phenylether	U		0.0475	0.333
2-Chloronaphthalene	U		0.00496	0.0333
4-Chlorophenyl-phenylether	U		0.0475	0.333
1,2-Dichlorobenzene	U		0.0286	0.333
1,3-Dichlorobenzene	U		0.0290	0.333
1,4-Dichlorobenzene	U		0.0286	0.333
3,3-Dichlorobenzidine	U		0.127	0.333
2,4-Dinitrotoluene	U		0.0660	0.333
2,6-Dinitrotoluene	U		0.0628	0.333
Hexachlorobenzene	U		0.0544	0.333
Hexachloro-1,3-butadiene	U		0.0528	0.333
Hexachlorocyclopentadiene	U		0.102	0.333
Hexachloroethane	U		0.0410	0.333
Isophorone	U		0.0419	0.333
Nitrobenzene	U		0.0450	0.333
n-Nitrosodimethylamine	U		0.0782	0.333
n-Nitrosodiphenylamine	U		0.0427	0.333
n-Nitrosodi-n-propylamine	U		0.0528	0.333
Phenanthrene	U		0.00366	0.0333
Benzylbutyl phthalate	U		0.0645	0.333
Bis(2-ethylhexyl)phthalate	U		0.0657	0.333
Di-n-butyl phthalate	U		0.0448	0.333
Diethyl phthalate	U		0.0516	0.333
Dimethyl phthalate	U		0.0447	0.333
Di-n-octyl phthalate	U		0.147	0.333
1,2,4-Trichlorobenzene	U		0.0395	0.333
4-Chloro-3-methylphenol	U		0.0520	0.333
2-Chlorophenol	U		0.0346	0.333
2,4-Dichlorophenol	U		0.0439	0.333
2,4-Dimethylphenol	U		0.0691	0.333
4,6-Dinitro-2-methylphenol	U		0.102	0.333
2,4-Dinitrophenol	U		0.127	0.333
2-Nitrophenol	U		0.0494	0.333
4-Nitrophenol	U		0.106	0.333

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4237950-2 06/28/25 18:23

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Pentachlorophenol	U		0.0623	0.333
Phenol	U		0.0567	0.333
2,4,6-Trichlorophenol	U		0.0796	0.333
(S) 2-Fluorophenol	94.7			12.0-120
(S) Phenol-d5	95.8			10.0-120
(S) Nitrobenzene-d5	84.7			10.0-122
(S) 2-Fluorobiphenyl	79.9			15.0-120
(S) 2,4,6-Tribromophenol	104			10.0-127
(S) p-Terphenyl-d14	93.1			10.0-120

Laboratory Control Sample (LCS)

(LCS) R4237950-1 06/28/25 18:00

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthylene	0.666	0.483	72.5	40.0-120	
Benzidine	1.33	U	0.000	10.0-120	J4
Benzo(g,h,i)perylene	0.666	0.446	67.0	43.0-120	
Bis(2-chlorethoxy)methane	0.666	0.356	53.5	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.449	67.4	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.504	75.7	23.0-120	
4-Bromophenyl-phenylether	0.666	0.481	72.2	40.0-120	
2-Chloronaphthalene	0.666	0.431	64.7	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.462	69.4	40.0-120	
1,2-Dichlorobenzene	0.666	0.408	61.3	32.0-120	
1,3-Dichlorobenzene	0.666	0.394	59.2	30.0-120	
1,4-Dichlorobenzene	0.666	0.420	63.1	31.0-120	
3,3-Dichlorobenzidine	1.33	1.05	78.9	28.0-120	
2,4-Dinitrotoluene	0.666	0.489	73.4	45.0-120	
2,6-Dinitrotoluene	0.666	0.472	70.9	42.0-120	
Hexachlorobenzene	0.666	0.500	75.1	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.334	50.2	15.0-120	
Hexachlorocyclopentadiene	0.666	0.340	51.1	15.0-120	
Hexachloroethane	0.666	0.397	59.6	17.0-120	
Isophorone	0.666	0.367	55.1	23.0-120	
Nitrobenzene	0.666	0.375	56.3	17.0-120	
n-Nitrosodimethylamine	0.666	0.456	68.5	10.0-125	
n-Nitrosodiphenylamine	0.666	0.473	71.0	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.461	69.2	26.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Laboratory Control Sample (LCS)

(LCS) R4237950-1 06/28/25 18:00

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Phenanthrene	0.666	0.453	68.0	42.0-120	
Benzylbutyl phthalate	0.666	0.493	74.0	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.496	74.5	41.0-120	
Di-n-butyl phthalate	0.666	0.480	72.1	43.0-120	
Diethyl phthalate	0.666	0.440	66.1	43.0-120	
Dimethyl phthalate	0.666	0.477	71.6	43.0-120	
Di-n-octyl phthalate	0.666	0.500	75.1	40.0-120	
1,2,4-Trichlorobenzene	0.666	0.367	55.1	17.0-120	
4-Chloro-3-methylphenol	0.666	0.391	58.7	28.0-120	
2-Chlorophenol	0.666	0.424	63.7	28.0-120	
2,4-Dichlorophenol	0.666	0.397	59.6	25.0-120	
2,4-Dimethylphenol	0.666	0.379	56.9	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.496	74.5	16.0-120	
2,4-Dinitrophenol	0.666	0.389	58.4	10.0-120	
2-Nitrophenol	0.666	0.410	61.6	20.0-120	
4-Nitrophenol	0.666	0.508	76.3	27.0-120	
Pentachlorophenol	0.666	0.327	49.1	29.0-120	
Phenol	0.666	0.455	68.3	28.0-120	
2,4,6-Trichlorophenol	0.666	0.461	69.2	37.0-120	
(S) 2-Fluorophenol			76.3	12.0-120	
(S) Phenol-d5			76.6	10.0-120	
(S) Nitrobenzene-d5			59.2	10.0-122	
(S) 2-Fluorobiphenyl			67.3	15.0-120	
(S) 2,4,6-Tribromophenol			89.5	10.0-127	
(S) p-Terphenyl-d14			69.7	10.0-120	

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

(OS) L1871611-11 06/28/25 21:44 • (MS) R4237950-3 06/28/25 22:06 • (MSD) R4237950-4 06/28/25 22:28

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Acenaphthylene	0.708	ND	0.499	0.477	70.5	66.9	1	25.0-120			4.63	32
Benzidine	1.42	ND	ND	ND	0.000	0.000	1	10.0-120	J6	J6	0.000	40
Benzo(g,h,i)perylene	0.708	ND	0.461	0.476	60.7	62.4	1	10.0-120			3.22	33
Bis(2-chlorethoxy)methane	0.708	ND	0.364	ND	51.4	47.0	1	10.0-120			8.32	34
Bis(2-chloroethyl)ether	0.708	ND	0.452	0.412	63.8	57.9	1	10.0-120			9.22	40
2,2-Oxybis(1-Chloropropane)	0.708	ND	0.523	0.463	73.9	65.0	1	10.0-120			12.2	40
4-Bromophenyl-phenylether	0.708	ND	0.493	0.498	69.6	69.9	1	27.0-120			1.09	30
2-Chloronaphthalene	0.708	ND	0.441	0.416	62.3	58.5	1	20.0-120			5.77	32

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

(OS) L1871611-11 06/28/25 21:44 • (MS) R4237950-3 06/28/25 22:06 • (MSD) R4237950-4 06/28/25 22:28

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
4-Chlorophenyl-phenylether	0.708	ND	0.476	0.474	67.2	66.5	1	24.0-120			0.454	29
1,2-Dichlorobenzene	0.708	ND	0.407	ND	57.4	50.2	1	10.0-120			13.0	38
1,3-Dichlorobenzene	0.708	ND	0.375	ND	52.9	48.0	1	10.0-120			9.01	40
1,4-Dichlorobenzene	0.708	ND	0.396	0.358	55.9	50.3	1	10.0-120			9.99	39
3,3-Dichlorobenzidine	1.42	ND	1.11	1.16	78.0	81.8	1	10.0-120			4.74	34
2,4-Dinitrotoluene	0.708	ND	0.494	0.506	69.8	71.0	1	30.0-120			2.37	31
2,6-Dinitrotoluene	0.708	ND	0.492	0.500	69.5	70.2	1	25.0-120			1.74	31
Hexachlorobenzene	0.708	ND	0.498	0.497	70.4	69.8	1	27.0-120			0.216	28
Hexachloro-1,3-butadiene	0.708	ND	ND	ND	46.5	43.1	1	10.0-120			7.11	38
Hexachlorocyclopentadiene	0.708	ND	ND	ND	29.8	21.1	1	10.0-120			33.3	40
Hexachloroethane	0.708	ND	0.365	ND	51.5	45.2	1	10.0-120			12.5	40
Isophorone	0.708	ND	0.379	ND	53.5	48.5	1	13.0-120			9.21	34
Nitrobenzene	0.708	ND	0.372	ND	52.6	47.4	1	10.0-120			9.70	36
n-Nitrosodimethylamine	0.708	ND	0.400	0.386	56.5	54.2	1	10.0-127			3.56	40
n-Nitrosodiphenylamine	0.708	ND	0.491	0.489	69.3	68.6	1	17.0-120			0.440	29
n-Nitrosodi-n-propylamine	0.708	ND	0.467	0.411	66.0	57.7	1	10.0-120			12.7	37
Phenanthrene	0.708	0.0611	0.461	0.468	56.4	57.1	1	17.0-120			1.62	31
Benzylbutyl phthalate	0.708	ND	0.527	0.532	74.5	74.6	1	23.0-120			0.813	30
Bis(2-ethylhexyl)phthalate	0.708	ND	0.535	0.538	75.5	75.5	1	17.0-126			0.602	30
Di-n-butyl phthalate	0.708	ND	0.503	0.513	71.0	72.1	1	30.0-120			2.12	29
Diethyl phthalate	0.708	ND	0.463	0.463	65.3	65.0	1	26.0-120			0.000	28
Dimethyl phthalate	0.708	ND	0.488	0.486	68.8	68.3	1	25.0-120			0.221	29
Di-n-octyl phthalate	0.708	ND	0.551	0.557	77.8	78.2	1	21.0-123			1.17	29
1,2,4-Trichlorobenzene	0.708	ND	0.363	ND	51.2	46.5	1	12.0-120			8.99	37
4-Chloro-3-methylphenol	0.708	ND	0.400	0.395	56.5	55.4	1	15.0-120			1.35	30
2-Chlorophenol	0.708	ND	0.446	0.398	62.9	55.9	1	15.0-120			11.2	37
2,4-Dichlorophenol	0.708	ND	0.422	0.382	59.6	53.6	1	20.0-120			9.91	31
2,4-Dimethylphenol	0.708	ND	0.385	0.368	54.4	51.7	1	10.0-120			4.57	33
4,6-Dinitro-2-methylphenol	0.708	ND	0.505	0.492	71.3	69.0	1	10.0-120			2.59	39
2,4-Dinitrophenol	0.708	ND	0.455	0.438	64.3	61.5	1	10.0-121			3.86	40
2-Nitrophenol	0.708	ND	0.429	0.395	60.6	55.4	1	12.0-120			8.36	39
4-Nitrophenol	0.708	ND	0.549	0.557	77.5	78.2	1	10.0-137			1.56	32
Pentachlorophenol	0.708	ND	0.424	0.400	59.9	56.2	1	10.0-160			5.74	31
Phenol	0.708	ND	0.475	0.433	67.0	60.7	1	12.0-120			9.25	38
2,4,6-Trichlorophenol	0.708	ND	0.453	0.457	64.0	64.2	1	19.0-120			0.946	32
(S) 2-Fluorophenol					73.1	65.3		12.0-120				
(S) Phenol-d5					72.6	67.1		10.0-120				
(S) Nitrobenzene-d5					52.9	49.5		10.0-122				
(S) 2-Fluorobiphenyl					62.9	60.1		15.0-120				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

(OS) L1871611-11 06/28/25 21:44 • (MS) R4237950-3 06/28/25 22:06 • (MSD) R4237950-4 06/28/25 22:28

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) 2,4,6-Tribromophenol					85.3	88.1		10.0-127				
(S) p-Terphenyl-d14					69.9	71.9		10.0-120				

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4237959-2 06/28/25 18:47

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) R4237959-2 06/28/25 18:47

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	82.7			12.0-120
(S) Phenol-d5	79.7			10.0-120
(S) Nitrobenzene-d5	79.9			10.0-122
(S) 2-Fluorobiphenyl	64.0			15.0-120
(S) 2,4,6-Tribromophenol	46.8			10.0-127
(S) p-Terphenyl-d14	76.0			10.0-120

Laboratory Control Sample (LCS)

(LCS) R4237959-1 06/28/25 18:26

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthylene	0.666	0.445	66.8	40.0-120	
Benzidine	1.33	U	0.000	10.0-120	J4
Benzo(g,h,i)perylene	0.666	0.478	71.8	43.0-120	
Bis(2-chlorethoxy)methane	0.666	0.413	62.0	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.569	85.4	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.439	65.9	23.0-120	
4-Bromophenyl-phenylether	0.666	0.425	63.8	40.0-120	
2-Chloronaphthalene	0.666	0.440	66.1	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.471	70.7	40.0-120	
1,2-Dichlorobenzene	0.666	0.393	59.0	32.0-120	
1,3-Dichlorobenzene	0.666	0.386	58.0	30.0-120	
1,4-Dichlorobenzene	0.666	0.390	58.6	31.0-120	
3,3-Dichlorobenzidine	1.33	1.04	78.2	28.0-120	
2,4-Dinitrotoluene	0.666	0.508	76.3	45.0-120	
2,6-Dinitrotoluene	0.666	0.477	71.6	42.0-120	
Hexachlorobenzene	0.666	0.371	55.7	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.305	45.8	15.0-120	
Hexachlorocyclopentadiene	0.666	0.215	32.3	15.0-120	
Hexachloroethane	0.666	0.413	62.0	17.0-120	
Isophorone	0.666	0.417	62.6	23.0-120	
Nitrobenzene	0.666	0.405	60.8	17.0-120	
n-Nitrosodimethylamine	0.666	0.453	68.0	10.0-125	
n-Nitrosodiphenylamine	0.666	0.483	72.5	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.527	79.1	26.0-120	

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Laboratory Control Sample (LCS)

(LCS) R4237959-1 06/28/25 18:26

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Phenanthrene	0.666	0.486	73.0	42.0-120	
Benzylbutyl phthalate	0.666	0.635	95.3	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.651	97.7	41.0-120	
Di-n-butyl phthalate	0.666	0.547	82.1	43.0-120	
Diethyl phthalate	0.666	0.538	80.8	43.0-120	
Dimethyl phthalate	0.666	0.498	74.8	43.0-120	
Di-n-octyl phthalate	0.666	0.651	97.7	40.0-120	
1,2,4-Trichlorobenzene	0.666	0.331	49.7	17.0-120	
4-Chloro-3-methylphenol	0.666	0.409	61.4	28.0-120	
2-Chlorophenol	0.666	0.445	66.8	28.0-120	
2,4-Dichlorophenol	0.666	0.350	52.6	25.0-120	
2,4-Dimethylphenol	0.666	0.389	58.4	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.449	67.4	16.0-120	
2,4-Dinitrophenol	0.666	0.372	55.9	10.0-120	
2-Nitrophenol	0.666	0.390	58.6	20.0-120	
4-Nitrophenol	0.666	0.540	81.1	27.0-120	
Pentachlorophenol	0.666	0.319	47.9	29.0-120	
Phenol	0.666	0.511	76.7	28.0-120	
2,4,6-Trichlorophenol	0.666	0.434	65.2	37.0-120	
(S) 2-Fluorophenol			80.0	12.0-120	
(S) Phenol-d5			79.3	10.0-120	
(S) Nitrobenzene-d5			63.4	10.0-122	
(S) 2-Fluorobiphenyl			63.7	15.0-120	
(S) 2,4,6-Tribromophenol			52.0	10.0-127	
(S) p-Terphenyl-d14			73.6	10.0-120	

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

L1871676-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871676-15 06/28/25 23:01 • (MS) R4237959-3 06/28/25 23:22 • (MSD) R4237959-4 06/28/25 23:44

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 %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Acenaphthylene	0.777	ND	0.416	0.437	53.5	56.8	2	25.0-120			5.03	32
Benzidine	1.30	ND	ND	ND	0.000	0.000	2	10.0-120	J6	J6	0.000	40
Benzo(g,h,i)perylene	0.777	ND	0.390	0.377	50.2	48.9	2	10.0-120			3.42	33
Bis(2-chlorethoxy)methane	0.777	ND	ND	ND	55.1	61.0	2	10.0-120			9.30	34
Bis(2-chloroethyl)ether	0.777	ND	ND	ND	77.9	81.4	2	10.0-120			3.48	40
2,2-Oxybis(1-Chloropropane)	0.777	ND	ND	ND	54.0	61.5	2	10.0-120			12.0	40
4-Bromophenyl-phenylether	0.777	ND	ND	ND	51.7	55.1	2	27.0-120			5.48	30
2-Chloronaphthalene	0.777	ND	0.424	0.441	54.6	57.3	2	20.0-120			3.86	32

L1871676-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871676-15 06/28/25 23:01 • (MS) R4237959-3 06/28/25 23:22 • (MSD) R4237959-4 06/28/25 23:44

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 %
4-Chlorophenyl-phenylether	0.777	ND	ND	ND	59.0	58.8	2	24.0-120			1.31	29
1,2-Dichlorobenzene	0.777	ND	ND	ND	45.2	55.1	2	10.0-120			18.7	38
1,3-Dichlorobenzene	0.777	ND	ND	ND	42.6	53.4	2	10.0-120			21.5	40
1,4-Dichlorobenzene	0.777	ND	ND	ND	42.9	55.0	2	10.0-120			23.6	39
3,3-Dichlorobenzidine	1.55	ND	ND	ND	36.4	32.0	2	10.0-120			13.5	34
2,4-Dinitrotoluene	0.777	ND	ND	ND	60.6	60.7	2	30.0-120			0.762	31
2,6-Dinitrotoluene	0.777	ND	ND	ND	56.6	59.4	2	25.0-120			3.98	31
Hexachlorobenzene	0.777	ND	ND	ND	44.9	46.9	2	27.0-120			3.36	28
Hexachloro-1,3-butadiene	0.777	ND	ND	ND	40.0	46.4	2	10.0-120			13.9	38
Hexachlorocyclopentadiene	0.777	ND	ND	ND	0.000	0.000	2	10.0-120	J6	J6	0.000	40
Hexachloroethane	0.777	ND	ND	ND	35.0	41.6	2	10.0-120			16.5	40
Isophorone	0.777	ND	ND	ND	58.0	63.0	2	13.0-120			7.39	34
Nitrobenzene	0.777	ND	ND	ND	54.1	63.2	2	10.0-120			14.5	36
n-Nitrosodimethylamine	0.777	ND	ND	ND	48.3	57.7	2	10.0-127			16.9	40
n-Nitrosodiphenylamine	0.777	ND	ND	ND	59.0	60.2	2	17.0-120			1.03	29
n-Nitrosodi-n-propylamine	0.777	ND	ND	ND	67.2	73.7	2	10.0-120			8.32	37
Phenanthrene	0.777	ND	0.456	0.469	58.7	61.0	2	17.0-120			2.83	31
Benzylbutyl phthalate	0.777	ND	ND	ND	85.3	86.4	2	23.0-120			0.359	30
Bis(2-ethylhexyl)phthalate	0.777	ND	ND	ND	82.2	85.1	2	17.0-126			2.58	30
Di-n-butyl phthalate	0.777	ND	ND	ND	70.7	71.2	2	30.0-120			0.217	29
Diethyl phthalate	0.777	ND	ND	ND	67.3	66.6	2	26.0-120			2.07	28
Dimethyl phthalate	0.777	ND	ND	ND	60.7	61.9	2	25.0-120			1.01	29
Di-n-octyl phthalate	0.777	ND	ND	ND	88.7	91.5	2	21.0-123			2.22	29
1,2,4-Trichlorobenzene	0.777	ND	ND	ND	42.9	50.9	2	12.0-120			16.1	37
4-Chloro-3-methylphenol	0.777	ND	ND	ND	59.2	59.8	2	15.0-120			0.000	30
2-Chlorophenol	0.777	ND	ND	ND	56.9	61.5	2	15.0-120			6.77	37
2,4-Dichlorophenol	0.777	ND	ND	ND	51.5	53.1	2	20.0-120			2.06	31
2,4-Dimethylphenol	0.777	ND	ND	ND	55.4	57.1	2	10.0-120			2.19	33
4,6-Dinitro-2-methylphenol	0.777	ND	ND	ND	53.5	51.1	2	10.0-120			5.60	39
2,4-Dinitrophenol	0.777	ND	ND	ND	55.2	54.2	2	10.0-121			2.82	40
2-Nitrophenol	0.777	ND	ND	ND	52.8	59.4	2	12.0-120			11.0	39
4-Nitrophenol	0.777	ND	ND	ND	71.9	69.5	2	10.0-137			4.36	32
Pentachlorophenol	0.777	ND	ND	ND	49.7	48.6	2	10.0-160			3.13	31
Phenol	0.777	ND	ND	ND	65.3	68.3	2	12.0-120			3.46	38
2,4,6-Trichlorophenol	0.777	ND	ND	ND	59.5	57.1	2	19.0-120			5.02	32
(S) 2-Fluorophenol					66.1	71.6		12.0-120				
(S) Phenol-d5					65.4	70.6		10.0-120				
(S) Nitrobenzene-d5					55.5	66.6		10.0-122				
(S) 2-Fluorobiphenyl					50.9	53.9		15.0-120				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

L1871676-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871676-15 06/28/25 23:01 • (MS) R4237959-3 06/28/25 23:22 • (MSD) R4237959-4 06/28/25 23:44

	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					44.1	44.2		10.0-127				
(S) p-Terphenyl-d14					60.1	61.0		10.0-120				

Sample Narrative:

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4237967-2 06/29/25 12:27

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) R4237967-2 06/29/25 12:27

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	81.2			12.0-120
(S) Phenol-d5	79.4			10.0-120
(S) Nitrobenzene-d5	77.8			10.0-122
(S) 2-Fluorobiphenyl	60.7			15.0-120
(S) 2,4,6-Tribromophenol	44.6			10.0-127
(S) p-Terphenyl-d14	72.4			10.0-120

Laboratory Control Sample (LCS)

(LCS) R4237967-1 06/29/25 12:05

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthylene	0.666	0.419	62.9	40.0-120	
Benzidine	1.33	U	0.000	10.0-120	J4
Benzo(g,h,i)perylene	0.666	0.432	64.9	43.0-120	
Bis(2-chlorethoxy)methane	0.666	0.402	60.4	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.698	105	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.414	62.2	23.0-120	
4-Bromophenyl-phenylether	0.666	0.401	60.2	40.0-120	
2-Chloronaphthalene	0.666	0.415	62.3	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.444	66.7	40.0-120	
1,2-Dichlorobenzene	0.666	0.377	56.6	32.0-120	
1,3-Dichlorobenzene	0.666	0.365	54.8	30.0-120	
1,4-Dichlorobenzene	0.666	0.370	55.6	31.0-120	
3,3-Dichlorobenzidine	1.33	0.945	71.1	28.0-120	
2,4-Dinitrotoluene	0.666	0.470	70.6	45.0-120	
2,6-Dinitrotoluene	0.666	0.444	66.7	42.0-120	
Hexachlorobenzene	0.666	0.340	51.1	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.290	43.5	15.0-120	
Hexachlorocyclopentadiene	0.666	0.178	26.7	15.0-120	
Hexachloroethane	0.666	0.396	59.5	17.0-120	
Isophorone	0.666	0.405	60.8	23.0-120	
Nitrobenzene	0.666	0.394	59.2	17.0-120	
n-Nitrosodimethylamine	0.666	0.381	57.2	10.0-125	
n-Nitrosodiphenylamine	0.666	0.450	67.6	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.512	76.9	26.0-120	

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Laboratory Control Sample (LCS)

(LCS) R4237967-1 06/29/25 12:05

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Phenanthrene	0.666	0.449	67.4	42.0-120	
Benzylbutyl phthalate	0.666	0.567	85.1	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.581	87.2	41.0-120	
Di-n-butyl phthalate	0.666	0.507	76.1	43.0-120	
Diethyl phthalate	0.666	0.505	75.8	43.0-120	
Dimethyl phthalate	0.666	0.467	70.1	43.0-120	
Di-n-octyl phthalate	0.666	0.583	87.5	40.0-120	
1,2,4-Trichlorobenzene	0.666	0.321	48.2	17.0-120	
4-Chloro-3-methylphenol	0.666	0.395	59.3	28.0-120	
2-Chlorophenol	0.666	0.426	64.0	28.0-120	
2,4-Dichlorophenol	0.666	0.347	52.1	25.0-120	
2,4-Dimethylphenol	0.666	0.382	57.4	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.385	57.8	16.0-120	
2,4-Dinitrophenol	0.666	0.321	48.2	10.0-120	
2-Nitrophenol	0.666	0.368	55.3	20.0-120	
4-Nitrophenol	0.666	0.481	72.2	27.0-120	
Pentachlorophenol	0.666	0.279	41.9	29.0-120	
Phenol	0.666	0.489	73.4	28.0-120	
2,4,6-Trichlorophenol	0.666	0.411	61.7	37.0-120	
(S) 2-Fluorophenol			75.5	12.0-120	
(S) Phenol-d5			76.7	10.0-120	
(S) Nitrobenzene-d5			59.2	10.0-122	
(S) 2-Fluorobiphenyl			60.7	15.0-120	
(S) 2,4,6-Tribromophenol			48.0	10.0-127	
(S) p-Terphenyl-d14			66.4	10.0-120	

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

(OS) L1871632-06 06/29/25 12:48 • (MS) R4237967-3 06/29/25 13:09 • (MSD) R4237967-4 06/29/25 13:30

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	0.741	ND	0.461	0.479	62.2	63.7	1	25.0-120			3.94	32
Benzidine	1.48	ND	ND	ND	0.000	0.000	1	10.0-120	J6	J6	0.000	40
Benzo(g,h,i)perylene	0.741	ND	0.400	0.398	51.5	50.4	1	10.0-120			0.580	33
Bis(2-chlorethoxy)methane	0.741	ND	0.437	0.444	59.1	59.1	1	10.0-120			1.57	34
Bis(2-chloroethyl)ether	0.741	ND	0.564	0.550	76.1	73.1	1	10.0-120			2.49	40
2,2-Oxybis(1-Chloropropane)	0.741	ND	0.463	0.476	62.5	63.2	1	10.0-120			2.71	40
4-Bromophenyl-phenylether	0.741	ND	0.436	0.458	58.9	60.9	1	27.0-120			4.92	30
2-Chloronaphthalene	0.741	ND	0.461	0.476	62.2	63.2	1	20.0-120			3.21	32

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

(OS) L1871632-06 06/29/25 12:48 • (MS) R4237967-3 06/29/25 13:09 • (MSD) R4237967-4 06/29/25 13:30

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	0.741	ND	0.472	0.493	63.8	65.5	1	24.0-120			4.32	29
1,2-Dichlorobenzene	0.741	ND	0.422	0.434	57.0	57.7	1	10.0-120			2.70	38
1,3-Dichlorobenzene	0.741	ND	0.407	0.411	55.0	54.6	1	10.0-120			0.849	40
1,4-Dichlorobenzene	0.741	ND	0.411	0.419	55.5	55.7	1	10.0-120			1.95	39
3,3-Dichlorobenzidine	1.48	ND	0.759	0.867	51.3	57.6	1	10.0-120			13.2	34
2,4-Dinitrotoluene	0.741	ND	0.493	0.528	66.6	70.2	1	30.0-120			6.80	31
2,6-Dinitrotoluene	0.741	ND	0.488	0.517	65.9	68.8	1	25.0-120			5.75	31
Hexachlorobenzene	0.741	ND	ND	0.388	50.8	51.5	1	27.0-120			3.03	28
Hexachloro-1,3-butadiene	0.741	ND	ND	ND	44.5	44.2	1	10.0-120			0.699	38
Hexachlorocyclopentadiene	0.741	ND	ND	ND	17.8	0.000	1	10.0-120		J3 J6	200	40
Hexachloroethane	0.741	ND	0.421	0.420	56.9	55.8	1	10.0-120			0.275	40
Isophorone	0.741	ND	0.454	0.470	61.3	62.5	1	13.0-120			3.51	34
Nitrobenzene	0.741	ND	0.446	0.457	60.2	60.8	1	10.0-120			2.56	36
n-Nitrosodimethylamine	0.741	ND	0.406	0.414	54.8	55.1	1	10.0-127			1.97	40
n-Nitrosodiphenylamine	0.741	ND	0.478	0.500	64.5	66.5	1	17.0-120			4.50	29
n-Nitrosodi-n-propylamine	0.741	ND	0.593	0.599	80.0	79.7	1	10.0-120			1.17	37
Phenanthrene	0.741	ND	0.486	0.514	62.3	65.0	1	17.0-120			5.56	31
Benzylbutyl phthalate	0.741	ND	0.658	0.676	88.9	89.8	1	23.0-120			2.60	30
Bis(2-ethylhexyl)phthalate	0.741	ND	0.691	0.672	93.3	89.4	1	17.0-126			2.72	30
Di-n-butyl phthalate	0.741	ND	0.550	0.579	74.2	76.9	1	30.0-120			5.13	29
Diethyl phthalate	0.741	ND	0.524	0.562	70.8	74.8	1	26.0-120			7.03	28
Dimethyl phthalate	0.741	ND	0.494	0.521	66.7	69.2	1	25.0-120			5.25	29
Di-n-octyl phthalate	0.741	ND	0.700	0.709	94.5	94.3	1	21.0-123			1.31	29
1,2,4-Trichlorobenzene	0.741	ND	ND	ND	48.1	48.3	1	12.0-120			1.93	37
4-Chloro-3-methylphenol	0.741	ND	0.418	0.442	56.4	58.8	1	15.0-120			5.65	30
2-Chlorophenol	0.741	ND	0.491	0.496	66.3	66.0	1	15.0-120			1.17	37
2,4-Dichlorophenol	0.741	ND	ND	0.385	51.3	51.2	1	20.0-120			1.51	31
2,4-Dimethylphenol	0.741	ND	0.412	0.405	55.6	53.8	1	10.0-120			1.70	33
4,6-Dinitro-2-methylphenol	0.741	ND	0.432	0.418	58.3	55.5	1	10.0-120			3.27	39
2,4-Dinitrophenol	0.741	ND	0.426	0.385	57.5	51.2	1	10.0-121			9.99	40
2-Nitrophenol	0.741	ND	0.440	0.444	59.4	59.1	1	12.0-120			1.05	39
4-Nitrophenol	0.741	ND	0.547	0.579	73.9	76.9	1	10.0-137			5.55	32
Pentachlorophenol	0.741	ND	ND	ND	50.2	50.2	1	10.0-160			1.55	31
Phenol	0.741	ND	0.559	ND	75.5	41.2	1	12.0-120		J3	57.3	38
2,4,6-Trichlorophenol	0.741	ND	0.450	0.473	60.8	62.9	1	19.0-120			5.01	32
(S) 2-Fluorophenol					78.1	76.9		12.0-120				
(S) Phenol-d5					76.6	40.3		10.0-120				
(S) Nitrobenzene-d5					61.6	62.2		10.0-122				
(S) 2-Fluorobiphenyl					59.4	60.6		15.0-120				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

(OS) L1871632-06 06/29/25 12:48 • (MS) R4237967-3 06/29/25 13:09 • (MSD) R4237967-4 06/29/25 13:30

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					47.3	49.7		10.0-127				
(S) p-Terphenyl-d14					64.1	64.3		10.0-120				

L1871587-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871587-01 06/29/25 13:51 • (MS) R4237967-5 06/29/25 14:12 • (MSD) R4237967-6 06/29/25 14:34

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthylene	0.700	ND	0.419	0.351	59.9	50.6	1	25.0-120			17.7	32
Benzidine	1.40	ND	ND	ND	0.000	0.000	1	10.0-120	J6	J6	0.000	40
Benzo(g,h,i)perylene	0.700	ND	0.412	0.339	58.8	48.9	1	10.0-120			19.3	33
Bis(2-chlorethoxy)methane	0.700	ND	0.389	ND	55.6	49.1	1	10.0-120			13.5	34
Bis(2-chloroethyl)ether	0.700	ND	0.476	0.414	68.0	59.7	1	10.0-120			13.9	40
2,2-Oxybis(1-Chloropropane)	0.700	ND	0.385	ND	55.0	50.5	1	10.0-120			9.58	40
4-Bromophenyl-phenylether	0.700	ND	0.404	ND	57.8	49.2	1	27.0-120			16.9	30
2-Chloronaphthalene	0.700	ND	0.408	0.341	58.2	49.2	1	20.0-120			17.7	32
4-Chlorophenyl-phenylether	0.700	ND	0.446	0.368	63.7	53.1	1	24.0-120			19.1	29
1,2-Dichlorobenzene	0.700	ND	ND	ND	50.5	44.6	1	10.0-120			13.2	38
1,3-Dichlorobenzene	0.700	ND	ND	ND	48.6	42.9	1	10.0-120			13.4	40
1,4-Dichlorobenzene	0.700	ND	ND	ND	49.2	42.8	1	10.0-120			15.0	39
3,3-Dichlorobenzidine	1.40	ND	1.06	0.854	76.2	61.5	1	10.0-120			22.0	34
2,4-Dinitrotoluene	0.700	ND	0.472	0.382	67.4	55.1	1	30.0-120			21.0	31
2,6-Dinitrotoluene	0.700	ND	0.461	0.363	65.9	52.3	1	25.0-120			23.8	31
Hexachlorobenzene	0.700	ND	ND	ND	50.2	42.6	1	27.0-120			17.2	28
Hexachloro-1,3-butadiene	0.700	ND	ND	ND	39.3	36.0	1	10.0-120			9.76	38
Hexachlorocyclopentadiene	0.700	ND	ND	ND	0.000	0.000	1	10.0-120	J6	J6	0.000	40
Hexachloroethane	0.700	ND	ND	ND	49.5	43.8	1	10.0-120			13.1	40
Isophorone	0.700	ND	0.397	0.357	56.7	51.5	1	13.0-120			10.5	34
Nitrobenzene	0.700	ND	0.379	ND	54.1	48.3	1	10.0-120			12.3	36
n-Nitrosodimethylamine	0.700	ND	0.371	ND	53.0	47.2	1	10.0-127			12.5	40
n-Nitrosodiphenylamine	0.700	ND	0.461	0.382	65.9	55.1	1	17.0-120			18.7	29
n-Nitrosodi-n-propylamine	0.700	ND	0.502	0.443	71.6	63.8	1	10.0-120			12.4	37
Phenanthrene	0.700	ND	0.453	0.376	64.8	54.2	1	17.0-120			18.8	31
Benzylbutyl phthalate	0.700	ND	0.632	0.507	90.2	73.1	1	23.0-120			21.9	30
Bis(2-ethylhexyl)phthalate	0.700	ND	0.644	0.523	92.1	75.4	1	17.0-126			20.8	30
Di-n-butyl phthalate	0.700	ND	0.544	0.440	77.7	63.4	1	30.0-120			21.3	29
Diethyl phthalate	0.700	ND	0.521	0.421	74.4	60.8	1	26.0-120			21.1	28
Dimethyl phthalate	0.700	ND	0.480	0.395	68.6	56.9	1	25.0-120			19.5	29



L1871587-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1871587-01 06/29/25 13:51 • (MS) R4237967-5 06/29/25 14:12 • (MSD) R4237967-6 06/29/25 14:34

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Di-n-octyl phthalate	0.700	ND	0.661	0.530	94.4	76.5	1	21.0-123			21.9	29
1,2,4-Trichlorobenzene	0.700	ND	ND	ND	43.9	38.5	1	12.0-120			14.1	37
4-Chloro-3-methylphenol	0.700	ND	0.401	ND	57.3	50.2	1	15.0-120			14.2	30
2-Chlorophenol	0.700	ND	0.418	0.370	59.8	53.4	1	15.0-120			12.2	37
2,4-Dichlorophenol	0.700	ND	ND	ND	48.3	43.1	1	20.0-120			12.4	31
2,4-Dimethylphenol	0.700	ND	0.376	ND	53.7	48.3	1	10.0-120			11.4	33
4,6-Dinitro-2-methylphenol	0.700	ND	ND	ND	47.9	37.2	1	10.0-120			25.9	39
2,4-Dinitrophenol	0.700	ND	ND	ND	41.5	31.5	1	10.0-121			28.1	40
2-Nitrophenol	0.700	ND	0.362	ND	51.7	46.6	1	12.0-120			11.2	39
4-Nitrophenol	0.700	ND	0.531	0.410	75.9	59.1	1	10.0-137			25.9	32
Pentachlorophenol	0.700	ND	ND	ND	46.0	34.0	1	10.0-160			31.0	31
Phenol	0.700	ND	0.488	0.419	69.7	60.5	1	12.0-120			15.1	38
2,4,6-Trichlorophenol	0.700	ND	0.413	ND	59.0	49.8	1	19.0-120			17.7	32
(S) 2-Fluorophenol					69.5	64.8		12.0-120				
(S) Phenol-d5					70.4	64.2		10.0-120				
(S) Nitrobenzene-d5					54.0	52.0		10.0-122				
(S) 2-Fluorobiphenyl					54.9	50.2		15.0-120				
(S) 2,4,6-Tribromophenol					46.3	40.8		10.0-127				
(S) p-Terphenyl-d14					63.7	55.7		10.0-120				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4237787-2 06/28/25 08:52

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	120			14.0-149
(S) 2-Fluorobiphenyl	102			34.0-125

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Laboratory Control Sample (LCS)

(LCS) R4237787-1 06/28/25 08:34

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0605	75.6	50.0-126	
Acenaphthene	0.0800	0.0604	75.5	50.0-120	
Acenaphthylene	0.0800	0.0608	76.0	50.0-120	
Benzo(a)anthracene	0.0800	0.0597	74.6	45.0-120	
Benzo(a)pyrene	0.0800	0.0534	66.8	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0671	83.9	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0688	86.0	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0628	78.5	49.0-125	
Chrysene	0.0800	0.0678	84.8	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0711	88.9	47.0-125	
Fluoranthene	0.0800	0.0659	82.4	49.0-129	
Fluorene	0.0800	0.0639	79.9	49.0-120	

Laboratory Control Sample (LCS)

(LCS) R4237787-1 06/28/25 08:34

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Indeno(1,2,3-cd)pyrene	0.0800	0.0648	81.0	46.0-125	
Naphthalene	0.0800	0.0645	80.6	50.0-120	
Phenanthrene	0.0800	0.0636	79.5	47.0-120	
Pyrene	0.0800	0.0636	79.5	43.0-123	
1-Methylnaphthalene	0.0800	0.0644	80.5	51.0-121	
2-Methylnaphthalene	0.0800	0.0633	79.1	50.0-120	
(S) p-Terphenyl-d14			110	23.0-120	
(S) Nitrobenzene-d5			124	14.0-149	
(S) 2-Fluorobiphenyl			104	34.0-125	

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

(OS) L1871632-06 06/28/25 17:18 • (MS) R4237792-1 06/28/25 17:35 • (MSD) R4237792-2 06/28/25 17:53

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Anthracene	0.0926	ND	0.0748	0.0821	80.7	88.6	1	10.0-145			9.30	30
Acenaphthene	0.0926	ND	0.0707	0.0751	76.4	81.1	1	14.0-127			6.03	27
Acenaphthylene	0.0926	ND	0.0800	0.0827	86.4	89.4	1	21.0-124			3.41	25
Benzo(a)anthracene	0.0926	0.0183	0.0829	0.0970	69.8	85.0	1	10.0-139			15.7	30
Benzo(a)pyrene	0.0926	ND	0.0830	0.0951	89.6	103	1	10.0-141			13.6	31
Benzo(b)fluoranthene	0.0926	ND	0.0752	0.0897	81.3	96.9	1	10.0-140			17.5	36
Benzo(g,h,i)perylene	0.0926	ND	0.0713	0.0842	77.0	91.0	1	10.0-140			16.7	33
Benzo(k)fluoranthene	0.0926	ND	0.0735	0.0829	79.4	89.5	1	10.0-137			12.0	31
Chrysene	0.0926	ND	0.0878	0.101	94.9	109	1	10.0-145			14.0	30
Dibenz(a,h)anthracene	0.0926	ND	0.0726	0.0802	78.4	86.6	1	10.0-132			10.0	31
Fluoranthene	0.0926	ND	0.0930	0.113	101	122	1	10.0-153			19.5	33
Fluorene	0.0926	ND	0.0757	0.0815	81.8	88.0	1	11.0-130			7.36	29
Indeno(1,2,3-cd)pyrene	0.0926	ND	0.0744	0.0875	80.4	94.5	1	10.0-137			16.2	32
Naphthalene	0.0926	ND	0.0757	0.0774	81.8	83.6	1	10.0-135			2.27	27
Phenanthrene	0.0926	ND	0.0794	0.0913	85.8	98.6	1	10.0-144			14.0	31
Pyrene	0.0926	ND	0.0797	0.0989	86.1	107	1	10.0-148			21.5	35
1-Methylnaphthalene	0.0926	ND	0.0774	0.0800	83.6	86.4	1	10.0-142			3.24	28
2-Methylnaphthalene	0.0926	ND	0.0748	0.0793	80.7	85.6	1	10.0-137			5.86	28
(S) p-Terphenyl-d14					92.2	101		23.0-120				
(S) Nitrobenzene-d5					96.4	101		14.0-149				
(S) 2-Fluorobiphenyl					96.4	103		34.0-125				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4238616-2 06/30/25 15:17

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.0330	0.0330
Acenaphthene	U		0.0330	0.0330
Acenaphthylene	U		0.0330	0.0330
Benzo(a)anthracene	U		0.00600	0.00600
Benzo(a)pyrene	U		0.0330	0.0330
Benzo(b)fluoranthene	U		0.0330	0.0330
Benzo(g,h,i)perylene	U		0.0330	0.0330
Benzo(k)fluoranthene	U		0.0330	0.0330
Chrysene	U		0.0330	0.0330
Dibenz(a,h)anthracene	U		0.0330	0.0330
Fluoranthene	U		0.0330	0.0330
Fluorene	U		0.0330	0.0330
Indeno(1,2,3-cd)pyrene	U		0.0330	0.0330
Naphthalene	U		0.00300	0.00300
Phenanthrene	U		0.0330	0.0330
Pyrene	U		0.0330	0.0330
1-Methylnaphthalene	U		0.00300	0.00300
2-Methylnaphthalene	U		0.0120	0.0120
(S) p-Terphenyl-d14	124	J1		23.0-120
(S) Nitrobenzene-d5	105			14.0-149
(S) 2-Fluorobiphenyl	96.5			34.0-125

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Laboratory Control Sample (LCS)

(LCS) R4238616-1 06/30/25 14:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0585	73.1	50.0-126	
Acenaphthene	0.0800	0.0611	76.4	50.0-120	
Acenaphthylene	0.0800	0.0582	72.8	50.0-120	
Benzo(a)anthracene	0.0800	0.0576	72.0	45.0-120	
Benzo(a)pyrene	0.0800	0.0578	72.3	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0681	85.1	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0738	92.3	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0689	86.1	49.0-125	
Chrysene	0.0800	0.0699	87.4	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0747	93.4	47.0-125	
Fluoranthene	0.0800	0.0647	80.9	49.0-129	
Fluorene	0.0800	0.0657	82.1	49.0-120	

Laboratory Control Sample (LCS)

(LCS) R4238616-1 06/30/25 14:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Indeno(1,2,3-cd)pyrene	0.0800	0.0670	83.8	46.0-125	
Naphthalene	0.0800	0.0652	81.5	50.0-120	
Phenanthrene	0.0800	0.0636	79.5	47.0-120	
Pyrene	0.0800	0.0698	87.3	43.0-123	
1-Methylnaphthalene	0.0800	0.0653	81.6	51.0-121	
2-Methylnaphthalene	0.0800	0.0630	78.8	50.0-120	
(S) p-Terphenyl-d14			144	23.0-120	J1
(S) Nitrobenzene-d5			118	14.0-149	
(S) 2-Fluorobiphenyl			114	34.0-125	

L1872877-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1872877-14 06/30/25 21:11 • (MS) R4238616-3 06/30/25 21:29 • (MSD) R4238616-4 06/30/25 21:46

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.101	ND	0.0814	0.0718	80.9	71.4	1	10.0-145			12.5	30
Acenaphthene	0.101	ND	0.0794	0.0699	79.0	69.5	1	14.0-127			12.8	27
Acenaphthylene	0.101	ND	0.0815	0.0710	81.1	70.6	1	21.0-124			13.8	25
Benzo(a)anthracene	0.101	ND	0.0822	0.0722	81.7	71.8	1	10.0-139			12.9	30
Benzo(a)pyrene	0.101	ND	0.0853	0.0747	84.8	74.2	1	10.0-141			13.3	31
Benzo(b)fluoranthene	0.101	ND	0.0791	0.0702	78.6	69.8	1	10.0-140			11.8	36
Benzo(g,h,i)perylene	0.101	ND	0.0885	0.0774	88.0	76.9	1	10.0-140			13.4	33
Benzo(k)fluoranthene	0.101	ND	0.0820	0.0718	81.6	71.4	1	10.0-137			13.3	31
Chrysene	0.101	ND	0.0897	0.0787	89.2	78.2	1	10.0-145			13.1	30
Dibenz(a,h)anthracene	0.101	ND	0.0923	0.0814	91.8	80.9	1	10.0-132			12.5	31
Fluoranthene	0.101	ND	0.0890	0.0784	88.5	78.0	1	10.0-153			12.7	33
Fluorene	0.101	ND	0.0839	0.0732	83.4	72.8	1	11.0-130			13.5	29
Indeno(1,2,3-cd)pyrene	0.101	ND	0.0846	0.0756	84.1	75.1	1	10.0-137			11.3	32
Naphthalene	0.101	ND	0.0849	0.0767	84.4	76.3	1	10.0-135			10.1	27
Phenanthrene	0.101	ND	0.0820	0.0704	81.6	70.0	1	10.0-144			15.3	31
Pyrene	0.101	ND	0.0883	0.0771	87.8	76.7	1	10.0-148			13.5	35
1-Methylnaphthalene	0.101	ND	0.0850	0.0750	84.5	74.6	1	10.0-142			12.5	28
2-Methylnaphthalene	0.101	ND	0.0810	0.0722	80.5	71.8	1	10.0-137			11.5	28
(S) p-Terphenyl-d14					145	124		23.0-120	J1	J1		
(S) Nitrobenzene-d5					131	118		14.0-149				
(S) 2-Fluorobiphenyl					119	104		34.0-125				

1

Cp

2

Tc

3

Ss

4

Cn

5

Ds

6

Sr

7

Qc

8

Gl

9

Al

10

Sc

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

(OS) L1871603-13 06/30/25 22:58 • (MS) R4238616-5 06/30/25 23:15 • (MSD) R4238616-6 06/30/25 23:33

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.0913	ND	0.0702	0.0700	76.9	76.6	1	10.0-145			0.329	30
Acenaphthene	0.0913	ND	0.0691	0.0703	75.8	77.0	1	14.0-127			1.65	27
Acenaphthylene	0.0913	ND	0.0719	0.0720	78.8	78.9	1	21.0-124			0.160	25
Benzo(a)anthracene	0.0913	0.00848	0.0801	0.0815	78.5	80.0	1	10.0-139			1.71	30
Benzo(a)pyrene	0.0913	ND	0.0865	0.0860	94.8	94.2	1	10.0-141			0.668	31
Benzo(b)fluoranthene	0.0913	ND	0.0887	0.0879	97.2	96.3	1	10.0-140			0.913	36
Benzo(g,h,i)perylene	0.0913	ND	0.0920	0.0900	101	98.6	1	10.0-140			2.15	33
Benzo(k)fluoranthene	0.0913	ND	0.0830	0.0800	90.9	87.6	1	10.0-137			3.68	31
Chrysene	0.0913	ND	0.0962	0.0928	105	102	1	10.0-145			3.66	30
Dibenz(a,h)anthracene	0.0913	ND	0.0847	0.0826	92.8	90.5	1	10.0-132			2.48	31
Fluoranthene	0.0913	ND	0.0980	0.101	107	110	1	10.0-153			2.67	33
Fluorene	0.0913	ND	0.0736	0.0727	80.7	79.7	1	11.0-130			1.26	29
Indeno(1,2,3-cd)pyrene	0.0913	ND	0.0839	0.0824	91.9	90.3	1	10.0-137			1.80	32
Naphthalene	0.0913	ND	0.0787	0.0774	86.2	84.8	1	10.0-135			1.62	27
Phenanthrene	0.0913	ND	0.0761	0.0757	83.3	83.0	1	10.0-144			0.456	31
Pyrene	0.0913	ND	0.100	0.101	110	111	1	10.0-148			1.26	35
1-Methylnaphthalene	0.0913	ND	0.0771	0.0761	84.5	83.3	1	10.0-142			1.35	28
2-Methylnaphthalene	0.0913	ND	0.0742	0.0721	81.3	79.0	1	10.0-137			2.83	28
(S) p-Terphenyl-d14					144	136		23.0-120	J1	J1		
(S) Nitrobenzene-d5					131	127		14.0-149				
(S) 2-Fluorobiphenyl					118	114		34.0-125				

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.	
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.	⁴ Cn
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

 | | <div style="text-align: center;"> 
 Scan QR Code for instructions </div> <div style="text-align: right; font-size: 2em; font-family: cursive;"> U871622 </div> | | | | | | | | | | | | | | | | | | | | |
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| 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 Hensault, Eric Catlin, Madelyn Klinkerman
Phone #:
E-Mail: chevron_bishop@cteh.com; kylelawrence@cteh.com; tmcnullin@cteh.com; ahensault@cteh.com
Cc E-Mail: ecattlin@cteh.com; mlinkerman@cteh.com

 | | Specify Container Size **
<table border="1" style="width:100%; border-collapse: collapse;"> <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>8oz</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>1</td> </tr> </table> | | 8oz | 8oz | 8oz | 8oz | 8oz | 8oz | 10 | 6 | 8oz | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | | | |
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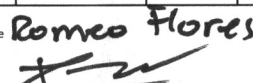
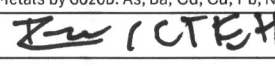
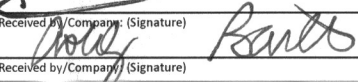
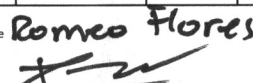
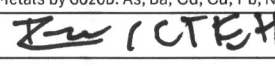
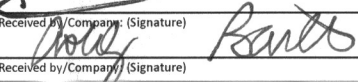
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| Customer Project #: PROJ-054017
Project Name:
Bishop LOC
Site Collection Info/Facility ID (as applicable):
Galeton, CO | | Invoice to: CTEH
Invoice E-mail:
ctehap@montrose-env.com
Purchase Order # (if applicable):
Quote #:

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| Time Zone Collected: [] AK [] PT [☒] MT [] CT [] ET
County / State origin of sample(s): CO | | Reportable [] Yes [] No
Rush (Pre-approval required):
[] Same Day [] 1 Day [] 2 Day [] 3 Day [☒] Other 5 Day
Date Results Requested:

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| Data Deliverables:
[☒] Level II [] Level III [] Level IV
[] EQUIS
[] Other | | Regulatory Program (DW, RCRA, etc.) as applicable:
DW PWSID # or WW Permit # as applicable:
Field Filtered (if applicable): [] Yes [] No
Analysis:

 | | Analysis Requested
<table border="1" style="width:100%; border-collapse: collapse;"> <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/N+NH3 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> | | VOCs 8260D; TPH-
GRO/DRO/ORO 8015D | SVOCs 8270E; PAH 8270E SIM | Metals 6010D, 6020B, Cr6 7199 | Total N/TKN/N+NH3 EPA 350.1.351.2, 9056A, SM 4500 Norg | TOC Walkley Black; pH 9045D/Sat. Paste; EC 9050A Mod | SAR USDA 20B; Hot Water Soluble Boron | Radionuclides (U, Ra 226, RA 228) 901.1 - Bag | VOCs 8260D | MS/MSD | | | | | | | | | | | | |
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| VOCs 8260D; TPH-
GRO/DRO/ORO 8015D | SVOCs 8270E; PAH 8270E SIM | Metals 6010D, 6020B, Cr6 7199

 | Total N/TKN/N+NH3 EPA 350.1.351.2, 9056A, SM 4500 Norg | | | TOC Walkley Black; pH 9045D/Sat. Paste; EC 9050A Mod | SAR USDA 20B; Hot Water Soluble Boron | Radionuclides (U, Ra 226, RA 228) 901.1 - Bag | VOCs 8260D | MS/MSD | | | | | | | | | | | | | | | | |
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| * Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OI), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT) | | Lab Use Only
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Proj. Mgr:
546-Jared Starkey</td> <td rowspan="4" style="writing-mode: vertical-rl; transform: rotate(180deg);">Preservation non-conformance identified for sample.</td> </tr> <tr> <td>AcctNum / Client ID:
CTEHR</td> </tr> <tr> <td>Table #:</td> </tr> <tr> <td>Profile / Template:
T275920</td> </tr> <tr> <td colspan="2" style="vertical-align: top;"> Prelog / Bottle Ord. ID:
 P1156679 </td> <td colspan="2" style="vertical-align: top;"> Sample Comment
 <div style="font-size: 1.5em; font-family: cursive;"> 51 1-14
 52 1-15
 RF 57 1-14
 58 1-17
 58 </div> </td> </tr> <tr> <td colspan="2" style="vertical-align: top;"> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Customer Sample ID</th> <th rowspan="2">Matrix *</th> <th rowspan="2">Comp / Grab</th> <th colspan="2">Composite Start</th> <th colspan="2">Collected or Composite End</th> <th rowspan="2"># Cont.</th> <th colspan="2">Residual Chlorine</th> <th rowspan="2">VOCs 8260D; TPH-
GRO/DRO/ORO 8015D</th> <th rowspan="2">SVOCs 8270E; PAH 8270E SIM</th> <th rowspan="2">Metals 6010D, 6020B, Cr6 7199</th> <th rowspan="2">Total N/TKN/N+NH3 EPA 350.1.351.2, 9056A, SM 4500 Norg</th> <th rowspan="2">TOC Walkley Black; pH 9045D/Sat. Paste; EC 9050A Mod</th> <th rowspan="2">SAR USDA 20B; Hot Water Soluble Boron</th> <th rowspan="2">Radionuclides (U, Ra 226, RA 228) 901.1 - Bag</th> <th rowspan="2">VOCs 8260D</th> <th rowspan="2">MS/MSD</th> </tr> <tr> <th>Date</th> <th>Time</th> <th>Date</th> <th>Time</th> <th>Result</th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>GAC00619T175-1CRS001</td> <td>SS</td> <td>G</td> <td>-</td> <td>-</td> <td>6/19/2025</td> <td>1005</td> <td>5</td> <td>-</td> <td>-</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>-</td> <td>-</td> </tr> <tr> <td>GAC00619T175-1CRS002</td> <td>SS</td> <td>G</td> <td>-</td> <td>-</td> <td>6/19/2025</td> <td>1005</td> <td>5</td> <td>-</td> <td>-</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>-</td> <td>-</td> </tr> <tr> <td>GAC00619T175-1CRS003</td> <td>SS</td> <td>G</td> <td>-</td> <td>-</td> <td>6/19/2025</td> <td>1007</td> <td>5</td> <td>-</td> <td>-</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>-</td> <td>-</td> </tr> <tr> <td>GAC00619T175-1CRS004</td> <td>SS</td> <td>G</td> <td>-</td> <td>-</td> <td>6/19/2025</td> <td>1015</td> <td>5</td> <td>-</td> <td>-</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>-</td> <td>-</td> </tr> <tr> <td>GAC00619T175-1CRT001</td> <td>OT</td> <td>-</td> <td>-</td> <td>-</td> <td>6/19/2025</td> <td>0700</td> <td>2</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>X</td> <td>-</td> </tr> <tr> <td colspan="19" style="height: 100px; vertical-align: middle;"> <div style="position: relative;"> <div style="position: absolute; top: 0; right: 0; font-size: 2em; font-family: cursive;"> RF </div> <div style="position: absolute; bottom: 0; right: 0; font-size: 1.5em; font-family: cursive;"> 5500cpm </div> </div> </td> </tr> </tbody> </table> </td> <td colspan="2" style="vertical-align: top;"> Sample Receipt Checklist
 COC Seal Present/Intact: ☒ Y ☒ N NP If Applicable
 COC Signed/Accurate: ☒ Y ☒ N VOA Zero Headspace: ☒ Y ☒ N
 Bottles arrive intact: ☒ Y ☒ N Pres. Correct/Check: ☒ Y ☒ N
 Correct bottles used: ☒ Y ☒ N
 Sufficient volume sent: ☒ Y ☒ N Condition: NCF OK
 RA Screen <0.5 mR/hr: ☒ Y ☒ N Containers: 68 + 60 Trip B </td> </tr> <tr> <td colspan="2" style="vertical-align: top;"> Additional Instructions from Pace®:
 VOCs - full list including BTEX, 1,2,4-TMB, 1,3,5-TMB; SVOCs - full list plus PAHs Table 915-1, 1-methylnaphthalene, 2-methylnaphthalene; Metals by 6010D: Al, Sb, Be, Ca, Cr, Co, Fe, Mg, Mn, K, Na, Ti, V; Metals by 6020B: As, Ba, Cd, Cu, Pb, Ni, Se, Ag, Zn </td> <td colspan="2" style="vertical-align: top;"> Collected By:
 Printed Name Romeo Flores
 Signature  </td> <td colspan="2" style="vertical-align: top;"> Customer Remarks / Special Conditions / Possible Hazards:
 <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td># Coolers:</td> <td>Thermometer ID:</td> <td>Correction Factor (°C):</td> <td>Obs. Temp. (°C):</td> <td>Corrected Temp. (°C):</td> <td>[] On Ice</td> </tr> </table> </td> </tr> <tr> <td colspan="2" style="vertical-align: top;"> Relinquished by/Company: (Signature)  </td> <td colspan="2" style="vertical-align: top;"> Date/Time: 06-19-25 10:00 </td> <td colspan="2" style="vertical-align: top;"> Received by/Company: (Signature)  </td> </tr> <tr> <td colspan="2" style="vertical-align: top;"> Relinquished by/Company: (Signature) </td> <td colspan="2" style="vertical-align: top;"> Date/Time: </td> <td colspan="2" style="vertical-align: top;"> Received by/Company: (Signature) </td> </tr> <tr> <td colspan="2" style="vertical-align: top;"> Relinquished by/Company: (Signature) </td> <td colspan="2" style="vertical-align: top;"> Date/Time: </td> <td colspan="2" style="vertical-align: top;"> Received by/Company: (Signature) </td> </tr> <tr> <td colspan="2" style="vertical-align: top;"> Relinquished by/Company: (Signature) </td> <td colspan="2" style="vertical-align: top;"> Date/Time: </td> <td colspan="2" style="vertical-align: top;"> Received by/Company: (Signature) </td> </tr> <tr> <td colspan="2" style="vertical-align: top;"> Relinquished by/Company: (Signature) </td> <td colspan="2" style="vertical-align: top;"> Date/Time: </td> <td colspan="2" style="vertical-align:
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Mgr:
546-Jared Starkey | Preservation non-conformance identified for sample. | AcctNum / Client ID:
CTEHR | Table #: | Profile / Template:
T275920 | Prelog / Bottle Ord. ID:
P1156679 | | Sample Comment
<div style="font-size: 1.5em; font-family: cursive;"> 51 1-14
 52 1-15
 RF 57 1-14
 58 1-17
 58 </div> | | <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Customer Sample ID</th> <th rowspan="2">Matrix *</th> <th rowspan="2">Comp / Grab</th> <th colspan="2">Composite Start</th> <th colspan="2">Collected or Composite End</th> <th rowspan="2"># Cont.</th> <th colspan="2">Residual Chlorine</th> <th rowspan="2">VOCs 8260D; TPH-
GRO/DRO/ORO 8015D</th> <th rowspan="2">SVOCs 8270E; PAH 8270E SIM</th> <th rowspan="2">Metals 6010D, 6020B, Cr6 7199</th> <th rowspan="2">Total N/TKN/N+NH3 EPA 350.1.351.2, 9056A, SM 4500 Norg</th> <th rowspan="2">TOC Walkley Black; pH 9045D/Sat. Paste; EC 9050A Mod</th> <th rowspan="2">SAR USDA 20B; Hot Water Soluble Boron</th> <th rowspan="2">Radionuclides (U, Ra 226, RA 228) 901.1 - Bag</th> <th rowspan="2">VOCs 8260D</th> <th rowspan="2">MS/MSD</th> </tr> <tr> <th>Date</th> <th>Time</th> <th>Date</th> <th>Time</th> <th>Result</th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>GAC00619T175-1CRS001</td> <td>SS</td> <td>G</td> <td>-</td> <td>-</td> <td>6/19/2025</td> <td>1005</td> <td>5</td> <td>-</td> <td>-</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>-</td> <td>-</td> </tr> <tr> <td>GAC00619T175-1CRS002</td> <td>SS</td> <td>G</td> <td>-</td> <td>-</td> <td>6/19/2025</td> <td>1005</td> <td>5</td> <td>-</td> <td>-</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>-</td> <td>-</td> </tr> <tr> <td>GAC00619T175-1CRS003</td> <td>SS</td> <td>G</td> <td>-</td> <td>-</td> <td>6/19/2025</td> <td>1007</td> <td>5</td> <td>-</td> <td>-</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>-</td> <td>-</td> </tr> <tr> <td>GAC00619T175-1CRS004</td> <td>SS</td> <td>G</td> <td>-</td> <td>-</td> <td>6/19/2025</td> <td>1015</td> <td>5</td> <td>-</td> <td>-</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>-</td> <td>-</td> </tr> <tr> <td>GAC00619T175-1CRT001</td> <td>OT</td> <td>-</td> <td>-</td> <td>-</td> <td>6/19/2025</td> <td>0700</td> <td>2</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>X</td> <td>-</td> </tr> <tr> <td colspan="19" style="height: 100px; vertical-align: middle;"> <div style="position: relative;"> <div style="position: absolute; top: 0; right: 0; font-size: 2em; font-family: cursive;"> RF </div> <div style="position: absolute; bottom: 0; right: 0; font-size: 1.5em; font-family: cursive;"> 5500cpm </div> </div> </td> </tr> </tbody> </table> | | Customer Sample ID | Matrix * | Comp / Grab | Composite Start |
 | Collected or Composite End | | # Cont. | Residual Chlorine | | VOCs 8260D; TPH-
GRO/DRO/ORO 8015D | SVOCs 8270E; PAH 8270E SIM | Metals 6010D, 6020B, Cr6 7199 | Total N/TKN/N+NH3 EPA 350.1.351.2, 9056A, SM 4500 Norg | TOC Walkley Black; pH 9045D/Sat. Paste; EC 9050A Mod | SAR USDA 20B; Hot Water Soluble Boron | Radionuclides (U, Ra 226, RA 228) 901.1 - Bag | VOCs 8260D | MS/MSD | Date | Time | Date | Time | Result | Units | GAC00619T175-1CRS001 | SS | G | - | - | 6/19/2025 | 1005 | 5 | - | - | X | X | X | X | X | X | X | X | - | - | GAC00619T175-1CRS002 | SS | G | - | - | 6/19/2025 | 1005 | 5 | - | - | X | X | X | X | X | X | X | X | - | - | GAC00619T175-1CRS003 | SS | G | - | - | 6/19/2025 | 1007 | 5 | - | - | X | X | X | X | X | X | X | X | - | - | GAC00619T175-1CRS004 | SS | G | - | - | 6/19/2025 | 1015 | 5 | - | - | X | X | X | X | X | X | X | X | - | - | GAC00619T175-1CRT001 | OT | - | - | - | 6/19/2025 | 0700 | 2 | - | - | - | - | - | - | - | - | - | X | - | <div style="position: relative;"> <div style="position: absolute; top: 0; right: 0; font-size: 2em; font-family: cursive;"> RF </div> <div style="position: absolute; bottom: 0; right: 0; font-size: 1.5em; font-family: cursive;"> 5500cpm </div> </div> | | | | | | | | | | | | | | | | | | | Sample Receipt Checklist
COC Seal Present/Intact: ☒ Y ☒ N NP If Applicable
COC Signed/Accurate: ☒ Y ☒ N VOA Zero Headspace: ☒ Y ☒ N
Bottles arrive intact: ☒ Y ☒ N Pres. Correct/Check: ☒ Y ☒ N
Correct bottles used: ☒ Y ☒ N
Sufficient volume sent: ☒ Y ☒ N Condition: NCF OK
RA Screen <0.5 mR/hr: ☒ Y ☒ N Containers: 68 + 60 Trip B | | Additional Instructions from Pace®:
VOCs - full list including BTEX, 1,2,4-TMB, 1,3,5-TMB; SVOCs - full list plus PAHs Table 915-1, 1-methylnaphthalene, 2-methylnaphthalene; Metals by 6010D: Al, Sb, Be, Ca, Cr, Co, Fe, Mg, Mn, K, Na, Ti, V; Metals by 6020B: As, Ba, Cd, Cu, Pb, Ni, Se, Ag, Zn | | Collected By:
Printed Name Romeo Flores
Signature  | | Customer Remarks / Special Conditions / Possible Hazards:
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td># Coolers:</td> <td>Thermometer ID:</td> <td>Correction Factor (°C):</td> <td>Obs. Temp. (°C):</td> <td>Corrected Temp. (°C):</td> <td>[] On Ice</td> </tr> </table> | | # Coolers: | Thermometer ID: | Correction Factor (°C): | Obs. Temp. (°C): | Corrected Temp. (°C): | [] On Ice | Relinquished by/Company: (Signature)  | | Date/Time: 06-19-25 10:00 | | Received by/Company: (Signature)  | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished by/Company: (Signature) | | Date/Time: | | Received by/Company: (Signature) | | Relinquished
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546-Jared Starkey | Preservation non-conformance identified for sample. |

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| Prelog / Bottle Ord. ID:
P1156679 | | Sample Comment
<div style="font-size: 1.5em; font-family: cursive;"> 51 1-14
 52 1-15
 RF 57 1-14
 58 1-17
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| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Customer Sample ID</th> <th rowspan="2">Matrix *</th> <th rowspan="2">Comp / Grab</th> <th colspan="2">Composite Start</th> <th colspan="2">Collected or Composite End</th> <th rowspan="2"># Cont.</th> <th colspan="2">Residual Chlorine</th> <th rowspan="2">VOCs 8260D; TPH-
GRO/DRO/ORO 8015D</th> <th rowspan="2">SVOCs 8270E; PAH 8270E SIM</th> <th rowspan="2">Metals 6010D, 6020B, Cr6 7199</th> <th rowspan="2">Total N/TKN/N+NH3 EPA 350.1.351.2, 9056A, SM 4500 Norg</th> <th rowspan="2">TOC Walkley Black; pH 9045D/Sat. Paste; EC 9050A Mod</th> <th rowspan="2">SAR USDA 20B; Hot Water Soluble Boron</th> <th rowspan="2">Radionuclides (U, Ra 226, RA 228) 901.1 - Bag</th> <th rowspan="2">VOCs 8260D</th> <th rowspan="2">MS/MSD</th> </tr> <tr> <th>Date</th> <th>Time</th> <th>Date</th> <th>Time</th> <th>Result</th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>GAC00619T175-1CRS001</td> <td>SS</td> <td>G</td> <td>-</td> <td>-</td> <td>6/19/2025</td> <td>1005</td> <td>5</td> <td>-</td> <td>-</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>-</td> <td>-</td> </tr> <tr> <td>GAC00619T175-1CRS002</td> <td>SS</td> <td>G</td> <td>-</td> <td>-</td> <td>6/19/2025</td> <td>1005</td> <td>5</td> <td>-</td> <td>-</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>-</td> <td>-</td> </tr> <tr> <td>GAC00619T175-1CRS003</td> <td>SS</td> <td>G</td> <td>-</td> <td>-</td> <td>6/19/2025</td> <td>1007</td> <td>5</td> <td>-</td> <td>-</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>-</td> <td>-</td> </tr> <tr> <td>GAC00619T175-1CRS004</td> <td>SS</td> <td>G</td> <td>-</td> <td>-</td> <td>6/19/2025</td> <td>1015</td> <td>5</td> <td>-</td> <td>-</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>-</td> <td>-</td> </tr> <tr> <td>GAC00619T175-1CRT001</td> <td>OT</td> <td>-</td> <td>-</td> <td>-</td> <td>6/19/2025</td> <td>0700</td> <td>2</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>X</td> <td>-</td> </tr> <tr> <td colspan="19" style="height: 100px; vertical-align: middle;"> <div style="position: relative;"> <div style="position: absolute; top: 0; right: 0; font-size: 2em; font-family: cursive;"> RF </div> <div style="position: absolute; bottom: 0; right: 0; font-size: 1.5em; font-family: cursive;"> 5500cpm </div> </div> </td> </tr> </tbody> </table> | | Customer Sample ID

 | Matrix * | Comp / Grab | Composite Start | | Collected or Composite End | | # Cont. | Residual Chlorine | | VOCs 8260D; TPH-
GRO/DRO/ORO 8015D | SVOCs 8270E; PAH 8270E SIM | Metals 6010D, 6020B, Cr6 7199 | Total N/TKN/N+NH3 EPA 350.1.351.2, 9056A, SM 4500 Norg | TOC Walkley Black; pH 9045D/Sat. Paste; EC 9050A Mod | SAR USDA 20B; Hot Water Soluble Boron | Radionuclides (U, Ra 226, RA 228) 901.1 - Bag | VOCs 8260D | MS/MSD | Date | Time | Date | Time | Result | Units | GAC00619T175-1CRS001
 | SS | G | - | - | 6/19/2025 | 1005 | 5 | - | - | X | X | X | X | X | X | X | X | - | - | GAC00619T175-1CRS002 | SS | G | - | - | 6/19/2025 | 1005 | 5 | - | - | X | X | X | X | X | X | X | X | - | - | GAC00619T175-1CRS003 | SS | G | - | - | 6/19/2025 | 1007 | 5 | - | - | X | X | X | X | X | X | X | X | - | - | GAC00619T175-1CRS004 | SS | G | - | - | 6/19/2025 | 1015 | 5 | - | - | X | X | X | X | X | X | X | X | - | - | GAC00619T175-1CRT001 | OT | - | - | - | 6/19/2025 | 0700 | 2 | - | - | - | - | - | - | - | - | - | X | - | <div style="position: relative;"> <div style="position: absolute; top: 0; right: 0; font-size: 2em; font-family: cursive;"> RF </div> <div style="position: absolute; bottom: 0; right: 0; font-size: 1.5em; font-family: cursive;"> 5500cpm </div> </div> | | | | | | | | | | | | | | | | | | | Sample Receipt Checklist
COC Seal Present/Intact: ☒ Y ☒ N NP If Applicable
COC Signed/Accurate: ☒ Y ☒ N VOA Zero Headspace: ☒ Y ☒ N
Bottles arrive intact: ☒ Y ☒ N Pres. Correct/Check: ☒ Y ☒ N
Correct bottles used: ☒ Y ☒ N
Sufficient volume sent: ☒ Y ☒ N Condition: NCF OK
RA Screen <0.5 mR/hr: ☒ Y ☒ N Containers: 68 + 60 Trip B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Customer Sample ID | Matrix * |

 | | | Comp / Grab | Composite Start | | Collected or Composite End | | # Cont. | Residual Chlorine | | | | | | | | | | VOCs 8260D; TPH-
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226, RA 228) 901.1 - Bag | VOCs 8260D | MS/MSD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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 | Time | Date | | Time | Result | Units | | | | | | | | | | | | | | | | | | |
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| GAC00619T175-1CRS001 | SS | G

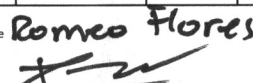
 | - | - | 6/19/2025 | 1005 | 5 | - | - | X | X | X | X | X | X | X | X | - | - | | | | | | | |
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| GAC00619T175-1CRS002 | SS | G

 | - | - | 6/19/2025 | 1005 | 5 | - | - | X | X | X | X | X | X | X | X | - | - | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| GAC00619T175-1CRS003 | SS | G

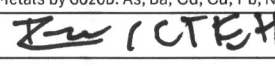
 | - | - | 6/19/2025 | 1007 | 5 | - | - | X | X | X | X | X | X | X | X | - | - | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| GAC00619T175-1CRS004 | SS | G

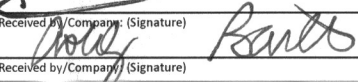
 | - | - | 6/19/2025 | 1015 | 5 | - | - | X | X | X | X | X | X | X | X | - | - | | | | | | | |
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| Additional Instructions from Pace®:
VOCs - full list including BTEX, 1,2,4-TMB, 1,3,5-TMB; SVOCs - full list plus PAHs Table 915-1, 1-methylnaphthalene, 2-methylnaphthalene; Metals by 6010D: Al, Sb, Be, Ca, Cr, Co, Fe, Mg, Mn, K, Na, Ti, V; Metals by 6020B: As, Ba, Cd, Cu, Pb, Ni, Se, Ag, Zn | | Collected By:
Printed Name Romeo Flores
Signature 

 | | Customer Remarks / Special Conditions / Possible Hazards:
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td># Coolers:</td> <td>Thermometer ID:</td> <td>Correction Factor (°C):</td> <td>Obs. Temp. (°C):</td> <td>Corrected Temp. (°C):</td> <td>[] On Ice</td> </tr> </table> | | # Coolers: | Thermometer ID: | Correction Factor (°C): | Obs. Temp. (°C): | Corrected Temp. (°C): | [] On Ice | | | | | | | | | | | | | | |
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Pace® Location Requested (City/State): Pace National, 12065 Lebanon Road, Mt. Juliet, TN 37122

CHAIN-OF-CUSTODY Analytical Request Document

Company Name: CTEH, LLC

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

Customer Project #: PROJ-054017

Project Name: Bishop LOC

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

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

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 [X] Other 5 Day

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 (OI), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SE), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID

Matrix *

Comp / Grab

Composite Start

Collected or Composite End

Cont.

Residual Chlorine

VOCs 8260D; TPH- GRO/DRO/ORO 8015D

SVOCS 8270E; PAH 8270E SIM

Metals 6010D, 6020B, Cr 6 7199

Total NITRIN-N/NH3 EPA 350.1, 351.2, 9056A, SM 4500 MORG

TOC Walkley Black, pH 9045D/Sat. Paste; EC 9050A Mod

SAR USDA 20B; Hot Water Soluble Boron

Radionuclides (U, Ra 226, RA 228) 901.1 - Bag

VOCs 8260D

MS/MSD

Lab Use Only

Proj. Mgr: 546-Jared Starkey

AcctNum / Client ID: CTEHER

Table #:

Profile / Template: T275920

Prelog / Bottle Ord. ID: P1156679

Sample Comment

Volume provided for Matrix Spike/Matrix Spike Duplicate

Additional Instructions from Pace*:

VOCs - full list including BTEX, 1,2,4-TMB, 1,3,5-TMB; SVOCS - full list plus PAHs Table 915-1, 1-methylnaphthalene, 2-methylnaphthalene; Metals by 6010D: Al, Sb, Be, Ca, Cr, Co, Fe, Mg, Mn, K, Na, Ti, V; Metals by 6020B: As, Ba, Cd, Cu, Pb, Ni, Se, Ag, Zn

Collected by: Printed Name Signature C. Black-ocken

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C): [] On Ice

Relinquished by/Company: (Signature) CTEH

Date/Time: 6-19-25 1800

Received by/Company: (Signature) PACE

Date/Time: 6-19-25 1800

Relinquished by/Company: (Signature)

Date/Time:

Received by/Company: (Signature)

Date/Time:

Relinquished by/Company: (Signature)

Date/Time:

Received by/Company: (Signature)

Date/Time:

Tracking Number:

Delivered by: [] In Person [] Courier

[] FedEx [] UPS [] Other

Page: 2 of 3

GACO0619T175-1CRS

Pace® Location Requested (City/State): CHAIN-OF-CUSTODY Analytical Request Document

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

Company Name: CTEH, LLC

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

Customer Project #: PROJ-054017

Project Name: Bishop LOC

Site Collection Info/Facility ID (as applicable): 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, RCRA, etc.) as applicable: Rush (Pre-approval required): [] Same Day [] 1 Day [] 2 Day [X] 3 Day [X] Other 5 Day

Date Results Requested:

Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OI), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID Matrix * Comp / Grab Composite Start Date Time Collected or Composite End Date Time # Cont. Residual Chlorine Result Units

GAC00619T175-1CRS007	SS	G	-	-	6/19/2025	1015	5	-	-	X	X	X	X	X	X	X	X	-	-	
GAC00619T175-1CRC007	SS	G	-	-	6/19/2025	1015	5	-	-	X	X	X	X	X	X	X	X	-	-	
GAC00619T175-1CRS008	SS	G	-	-	6/19/2025	1030	5	-	-	X	X	X	X	X	X	X	X	-	-	
GAC00619T175-1CRS009	SS	G	-	-	6/19/2025	1045	5	-	-	X	X	X	X	X	X	X	X	-	-	
GAC00619T175-1CRT003	OT	-	-	-	6/19/2025	0700	2	-	-	-	-	-	-	-	-	-	-	X	-	

Additional Instructions from Pace®: VOCs - full list including BTEX, 1,2,4-TMB, 1,3,5-TMB; SVOCs - full list plus PAHs Table 915-1, 1-methylnaphthalene, 2-methylnaphthalene; Metals by 6010D: Al, Sb, Be, Ca, Cr, Co, Fe, Mg, Mn, K, Na, Ti, V; Metals by 6020B: As, Ba, Cd, Cu, Pb, Ni, Se, Ag, Zn

Collected By: Printed Name Signature

Relinquished by/Company: (Signature) Date/Time

Relinquished by/Company: (Signature) Date/Time

Relinquished by/Company: (Signature) Date/Time

Relinquished by/Company: (Signature) Date/Time

Received by/Company: (Signature) Date/Time

Received by/Company: (Signature) Date/Time

Received by/Company: (Signature) Date/Time

Received by/Company: (Signature) Date/Time

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C): [] On Ice

Tracking Number:

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

Page: 3 of 3

GAC00619T175-1CRS

Multiple Parcel Form

L# UG7632

[illegible]

Wiley Carter Name

06/20/2025
Date