ANALYTICAL REPORT

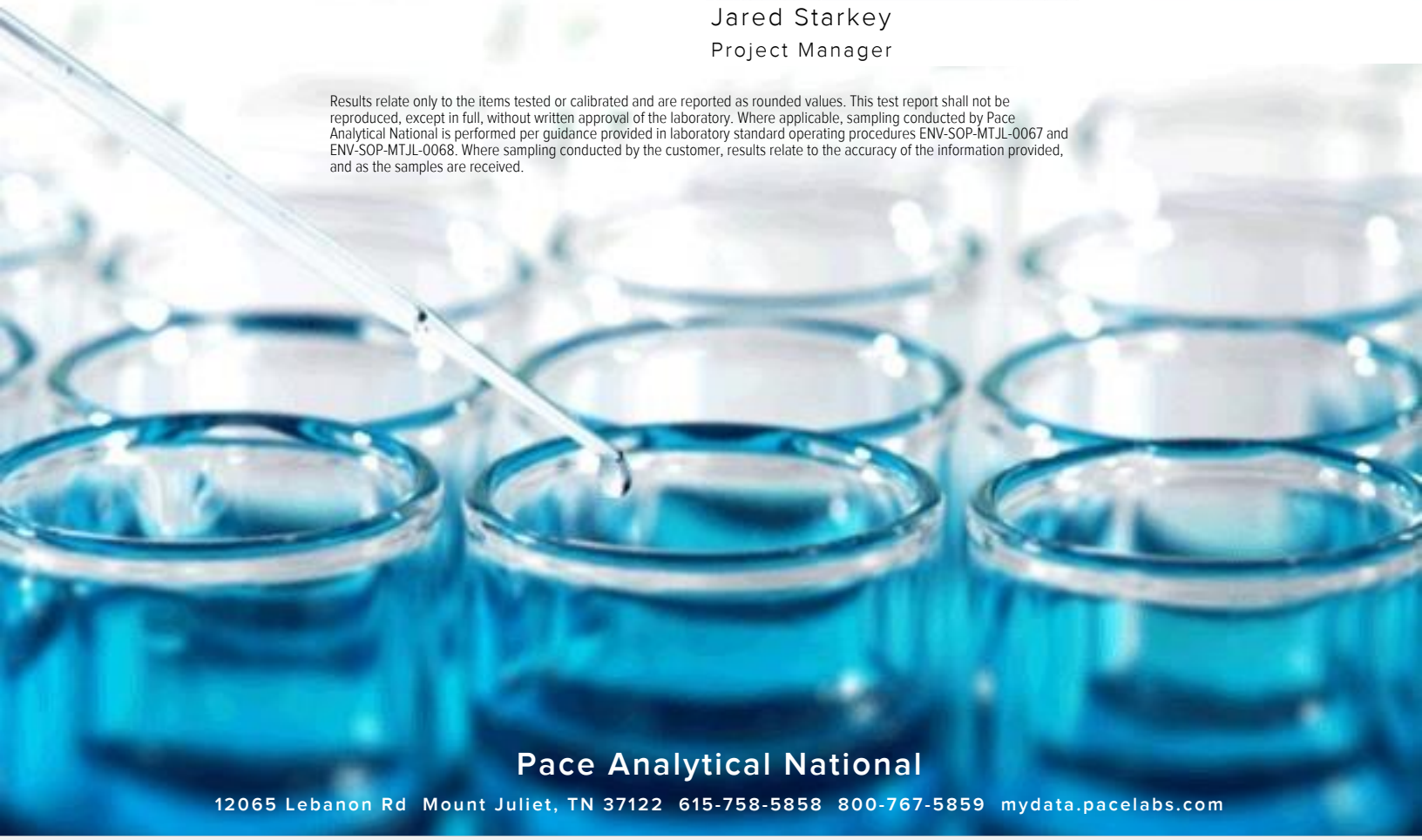
May 21, 2025

CTEH - ER

Sample Delivery Group:	L1859689
Samples Received:	05/16/2025
Project Number:	PROJ-054017
Description:	Bishop Loss of Containment Incident
Report To:	CTEH
	5120 North Shore Drive
	North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager



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

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SAMPLE SUMMARY

GACO0515T084CRS009 L1859689-01

Collected by: Jonathan Aiker | Collected date/time: 05/15/25 08:20 | Received date/time: 05/16/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2516923	1	05/16/25 16:12	05/18/25 19:30	JDW	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2516921	1	05/16/25 15:33	05/16/25 15:53	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2517044	1	05/17/25 09:30	05/18/25 18:09	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2517187	5	05/17/25 09:18	05/18/25 19:30	JDW	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2516923	1	05/16/25 16:12	05/16/25 20:48	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2516896	10	05/16/25 15:25	05/17/25 16:08	DLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2516925	1	05/16/25 15:56	05/16/25 19:55	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2516888	1	05/16/25 14:02	05/16/25 17:34	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2516905	2	05/16/25 16:43	05/16/25 23:36	NWH	Mt. Juliet, TN

GACO0515T084CRS010 L1859689-02

Collected by: Jonathan Aiker | Collected date/time: 05/15/25 08:40 | Received date/time: 05/16/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2516923	1	05/16/25 16:12	05/18/25 19:31	JDW	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2516921	1	05/16/25 15:33	05/16/25 15:53	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2517044	1	05/17/25 09:30	05/18/25 18:15	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2517187	5	05/17/25 09:18	05/18/25 19:31	JDW	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2516923	1	05/16/25 16:12	05/16/25 21:04	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2516896	10	05/16/25 15:25	05/17/25 16:08	DLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2516925	1	05/16/25 15:56	05/16/25 19:57	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2516888	1	05/16/25 14:02	05/16/25 17:54	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2516905	2	05/16/25 16:43	05/17/25 03:04	NWH	Mt. Juliet, TN

GACO0515T084CRC010 L1859689-03

Collected by: Jonathan Aiker | Collected date/time: 05/15/25 08:40 | Received date/time: 05/16/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2516923	1	05/16/25 16:12	05/18/25 17:58	JDW	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2516921	1	05/16/25 15:33	05/16/25 15:53	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2517044	1	05/17/25 09:30	05/18/25 18:17	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2517189	5	05/17/25 09:19	05/18/25 17:58	JDW	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2516923	1	05/16/25 16:12	05/16/25 21:21	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2516896	10	05/16/25 15:25	05/17/25 16:09	DLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2516925	1	05/16/25 15:56	05/16/25 20:00	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2516888	1	05/16/25 14:02	05/16/25 18:14	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2517220	10	05/17/25 08:10	05/17/25 17:40	NWH	Mt. Juliet, TN

GACO0515T084CRS011 L1859689-04

Collected by: Jonathan Aiker | Collected date/time: 05/15/25 08:20 | Received date/time: 05/16/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2516923	1	05/16/25 16:12	05/18/25 19:32	JDW	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2516921	1	05/16/25 15:33	05/16/25 15:53	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2517044	1	05/17/25 09:30	05/18/25 18:18	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2517187	5	05/17/25 09:18	05/18/25 19:32	JDW	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2516923	1	05/16/25 16:12	05/16/25 21:37	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2516896	9	05/16/25 15:25	05/17/25 16:10	DLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2516925	1	05/16/25 15:56	05/16/25 20:02	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2516888	1	05/16/25 14:02	05/16/25 18:34	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2516905	2	05/16/25 16:43	05/17/25 03:25	NWH	Mt. Juliet, TN

GACO0515T084CRS012 L1859689-05

Collected by: Jonathan Aiker | Collected date/time: 05/15/25 08:40 | Received date/time: 05/16/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2516923	1	05/16/25 16:12	05/18/25 19:33	JDW	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2516921	1	05/16/25 15:33	05/16/25 15:53	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2517044	1	05/17/25 09:30	05/18/25 18:23	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2517187	5	05/17/25 09:18	05/18/25 19:33	JDW	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2516923	1	05/16/25 16:12	05/16/25 22:26	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2516896	10	05/16/25 15:25	05/17/25 16:10	DLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2516925	1	05/16/25 15:56	05/16/25 20:05	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2516888	1	05/16/25 14:02	05/16/25 18:54	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2516905	2	05/16/25 16:43	05/17/25 03:45	NWH	Mt. Juliet, TN

GACO0515T084CRS013 L1859689-06

Collected by: Jonathan Aiker | Collected date/time: 05/15/25 09:00 | Received date/time: 05/16/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2516923	1	05/16/25 16:12	05/18/25 19:35	JDW	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2516921	1	05/16/25 15:33	05/16/25 15:53	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2517044	1	05/17/25 09:30	05/18/25 18:24	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2517187	5	05/17/25 09:18	05/18/25 19:35	JDW	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2516923	1	05/16/25 16:12	05/16/25 22:42	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2519132	4	05/21/25 10:00	05/21/25 15:25	DLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2516925	1	05/16/25 15:56	05/16/25 20:07	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2516888	1	05/16/25 14:02	05/16/25 19:14	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2516905	1	05/16/25 16:43	05/16/25 21:09	JRM	Mt. Juliet, TN

GACO0515T084CRS014 L1859689-07

Collected by: Jonathan Aiker | Collected date/time: 05/15/25 09:15 | Received date/time: 05/16/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2516923	1	05/16/25 16:12	05/18/25 19:36	JDW	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2516921	1	05/16/25 15:33	05/16/25 15:53	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2517044	1	05/17/25 09:30	05/18/25 18:26	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2517187	5	05/17/25 09:18	05/18/25 19:36	JDW	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2516923	1.02	05/16/25 16:12	05/16/25 22:59	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2516896	5	05/16/25 15:25	05/17/25 16:12	DLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2516925	1	05/16/25 15:56	05/16/25 20:10	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2516888	1	05/16/25 14:02	05/16/25 19:34	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2516905	2	05/16/25 16:43	05/16/25 22:54	JRM	Mt. Juliet, TN

GACO0515T084CRT001 L1859689-08

Collected by: Jonathan Aiker | Collected date/time: 05/15/25 07:00 | Received date/time: 05/16/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2516340	1	05/16/25 16:23	05/16/25 16:23	DWR	Mt. Juliet, TN

GACO0515T084CRS001 L1859689-09

Collected by: Jonathan Aiker | Collected date/time: 05/15/25 08:10 | Received date/time: 05/16/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2516923	1	05/16/25 16:12	05/18/25 19:40	JDW	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2516921	1	05/16/25 15:33	05/16/25 15:53	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2517191	1	05/17/25 09:54	05/18/25 22:59	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2517187	5	05/17/25 09:18	05/18/25 19:40	JDW	Mt. Juliet, TN

GACO0515T084CRS001 L1859689-09

Collected by: Jonathan Aiker | Collected date/time: 05/15/25 08:10 | Received date/time: 05/16/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2516923	1.01	05/16/25 16:12	05/16/25 23:15	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2516896	5	05/16/25 15:25	05/17/25 16:14	DLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2516925	1	05/16/25 15:56	05/16/25 20:12	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2516912	1	05/16/25 13:58	05/16/25 15:54	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2516905	2	05/16/25 16:43	05/17/25 02:43	NWH	Mt. Juliet, TN

GACO0515T084CRS002 L1859689-10

Collected by: Jonathan Aiker | Collected date/time: 05/15/25 08:20 | Received date/time: 05/16/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2516923	1	05/16/25 16:12	05/18/25 19:41	JDW	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2516921	1	05/16/25 15:33	05/16/25 15:53	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2517191	1	05/17/25 09:54	05/18/25 23:08	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2517187	5	05/17/25 09:18	05/18/25 19:41	JDW	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2516923	1.02	05/16/25 16:12	05/16/25 23:31	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2516896	5	05/16/25 15:25	05/17/25 16:14	DLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2516925	1	05/16/25 15:56	05/16/25 20:20	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2516912	1	05/16/25 13:58	05/16/25 16:13	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2516905	2	05/16/25 16:43	05/16/25 23:15	JRM	Mt. Juliet, TN

GACO0515T084CRS003 L1859689-11

Collected by: Jonathan Aiker | Collected date/time: 05/15/25 08:30 | Received date/time: 05/16/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2516923	1	05/16/25 16:12	05/18/25 19:42	JDW	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2516921	1	05/16/25 15:33	05/16/25 15:53	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2517191	1	05/17/25 09:54	05/18/25 23:11	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2517187	5	05/17/25 09:18	05/18/25 19:42	JDW	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2516923	1.01	05/16/25 16:12	05/16/25 23:48	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2516896	5	05/16/25 15:25	05/17/25 16:14	DLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2516925	1	05/16/25 15:56	05/16/25 20:23	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2516912	1	05/16/25 13:58	05/16/25 16:32	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2516905	2	05/16/25 16:43	05/16/25 22:33	JRM	Mt. Juliet, TN

GACO0515T084CRS004 L1859689-12

Collected by: Jonathan Aiker | Collected date/time: 05/15/25 08:40 | Received date/time: 05/16/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2516923	1	05/16/25 16:12	05/18/25 19:43	JDW	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2516924	1	05/16/25 15:56	05/16/25 16:17	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2517191	1	05/17/25 09:54	05/18/25 23:13	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2517187	5	05/17/25 09:18	05/18/25 19:43	JDW	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2516923	1.02	05/16/25 16:12	05/17/25 00:04	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2516896	5	05/16/25 15:25	05/17/25 16:16	DLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2516925	1	05/16/25 15:56	05/16/25 20:25	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2516912	1	05/16/25 13:58	05/16/25 16:51	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2516905	2	05/16/25 16:43	05/16/25 22:12	JRM	Mt. Juliet, TN

GACO0515T084CRS005 L1859689-13

Collected by: Jonathan Aiker | Collected date/time: 05/15/25 08:45 | Received date/time: 05/16/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2516923	1	05/16/25 16:12	05/18/25 19:45	JDW	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2516924	1	05/16/25 15:56	05/16/25 16:17	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2517191	1	05/17/25 09:54	05/18/25 23:14	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2517187	5	05/17/25 09:18	05/18/25 19:45	JDW	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2516923	1	05/16/25 16:12	05/17/25 00:20	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2516896	10	05/16/25 15:25	05/17/25 16:16	DLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2516925	1	05/16/25 15:56	05/16/25 20:28	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2516912	1	05/16/25 13:58	05/16/25 17:10	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2516905	2	05/16/25 16:43	05/17/25 01:41	NWH	Mt. Juliet, TN

GACO0515T084CRS006 L1859689-14

Collected by: Jonathan Aiker | Collected date/time: 05/15/25 09:00 | Received date/time: 05/16/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2516923	1	05/16/25 16:12	05/18/25 19:46	JDW	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2516924	1	05/16/25 15:56	05/16/25 16:17	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2517044	1	05/17/25 09:30	05/18/25 18:27	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2517187	5	05/17/25 09:18	05/18/25 19:46	JDW	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2516923	1	05/16/25 16:12	05/17/25 00:37	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2516927	5	05/16/25 15:31	05/17/25 15:07	DLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2516925	1	05/16/25 15:56	05/16/25 20:30	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2516912	1	05/16/25 13:58	05/16/25 17:29	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2516905	2	05/16/25 16:43	05/17/25 02:22	NWH	Mt. Juliet, TN

GACO0515T084CRT003 L1859689-15

Collected by: Jonathan Aiker | Collected date/time: 05/15/25 07:00 | Received date/time: 05/16/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2516340	1	05/16/25 16:44	05/16/25 16:44	DWR	Mt. Juliet, TN

GACO0515T084CRS007 L1859689-16

Collected by: Jonathan Aiker | Collected date/time: 05/15/25 09:15 | Received date/time: 05/16/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2516935	1	05/16/25 16:30	05/18/25 19:47	JDW	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2516924	1	05/16/25 15:56	05/16/25 16:17	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2517044	1	05/17/25 09:30	05/18/25 18:29	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2517187	5	05/17/25 09:18	05/18/25 19:47	JDW	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2516935	1	05/16/25 16:30	05/17/25 02:31	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2516927	5	05/16/25 15:31	05/17/25 15:07	DLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2516925	1	05/16/25 15:56	05/16/25 20:33	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2516912	1	05/16/25 13:58	05/16/25 17:48	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2516905	2	05/16/25 16:43	05/17/25 02:01	NWH	Mt. Juliet, TN

GACO0515T084CRS008 L1859689-17

Collected by: Jonathan Aiker | Collected date/time: 05/15/25 09:25 | Received date/time: 05/16/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2516935	1	05/16/25 16:30	05/18/25 19:47	JDW	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2516924	1	05/16/25 15:56	05/16/25 16:17	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2517044	1	05/17/25 09:30	05/18/25 18:35	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2517187	5	05/17/25 09:18	05/18/25 19:47	JDW	Mt. Juliet, TN

GACO0515T084CRS008 L1859689-17

Collected by: Jonathan Aiker | Collected date/time: 05/15/25 09:25 | Received date/time: 05/16/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2516935	1	05/16/25 16:30	05/17/25 02:47	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2516927	10	05/16/25 15:31	05/17/25 15:08	DLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2516931	1	05/16/25 17:14	05/16/25 21:01	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2516912	1	05/16/25 13:58	05/16/25 18:07	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2516905	2	05/16/25 16:43	05/17/25 01:20	NWH	Mt. Juliet, TN

GACO0515T084CRS015 L1859689-18

Collected by: Jonathan Aiker | Collected date/time: 05/15/25 09:35 | Received date/time: 05/16/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2516935	1	05/16/25 16:30	05/18/25 19:49	JDW	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2516924	1	05/16/25 15:56	05/16/25 16:17	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2517044	1	05/17/25 09:30	05/18/25 18:36	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2517187	5	05/17/25 09:18	05/18/25 19:49	JDW	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2516935	1	05/16/25 16:30	05/17/25 03:04	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2516927	5	05/16/25 15:31	05/17/25 15:08	DLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2516931	1	05/16/25 17:14	05/16/25 21:04	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2516912	1	05/16/25 13:58	05/16/25 18:26	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2516905	2	05/16/25 16:43	05/16/25 21:30	JRM	Mt. Juliet, TN

GACO0515T084CRS016 L1859689-19

Collected by: Jonathan Aiker | Collected date/time: 05/15/25 09:40 | Received date/time: 05/16/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2516935	1	05/16/25 16:30	05/18/25 19:50	JDW	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2516924	1	05/16/25 15:56	05/16/25 16:17	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2517044	1	05/17/25 09:30	05/18/25 18:38	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2517187	1	05/17/25 09:18	05/18/25 19:50	JDW	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2516935	1	05/16/25 16:30	05/17/25 03:20	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2516927	5	05/16/25 15:31	05/17/25 15:09	DLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2516931	1	05/16/25 17:14	05/16/25 21:06	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2516912	1	05/16/25 13:58	05/16/25 18:45	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2516905	2	05/16/25 16:43	05/16/25 21:51	JRM	Mt. Juliet, TN

GACO0515T084CRS017 L1859689-20

Collected by: Jonathan Aiker | Collected date/time: 05/15/25 09:45 | Received date/time: 05/16/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2516935	1	05/16/25 16:30	05/18/25 18:00	JDW	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2516924	1	05/16/25 15:56	05/16/25 16:17	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2517044	1	05/17/25 09:30	05/18/25 18:39	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2517189	5	05/17/25 09:19	05/18/25 18:00	JDW	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2516935	1	05/16/25 16:30	05/17/25 03:36	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2516927	10	05/16/25 15:31	05/17/25 15:10	DLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2516931	1	05/16/25 17:14	05/16/25 20:36	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2516912	1	05/16/25 13:58	05/16/25 19:03	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2517220	10	05/17/25 08:10	05/17/25 17:19	NWH	Mt. Juliet, TN

GACO0515T084CRS018 L1859689-21

Collected by: Jonathan Aiker
Collected date/time: 05/15/25 10:00
Received date/time: 05/16/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2516935	1	05/16/25 16:30	05/18/25 15:37	JDW	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2516924	1	05/16/25 15:56	05/16/25 16:17	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2517044	1	05/17/25 09:30	05/18/25 18:41	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2517190	5	05/17/25 09:20	05/18/25 15:37	JDW	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2516935	5	05/16/25 16:30	05/17/25 03:53	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2516927	5	05/16/25 15:31	05/17/25 15:10	DLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2516931	1	05/16/25 17:14	05/16/25 20:49	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2516912	1	05/16/25 13:58	05/16/25 19:22	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2517220	10	05/17/25 08:10	05/17/25 18:22	NWH	Mt. Juliet, TN

GACO0515T084CRT004 L1859689-22

Collected by: Jonathan Aiker
Collected date/time: 05/15/25 07:00
Received date/time: 05/16/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2516340	1	05/16/25 17:06	05/16/25 17:06	DWR	Mt. Juliet, TN

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All 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

Wet Chemistry by Method 350.1

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

Batch	Lab Sample ID	Analytes
WG2517044	(MS) R4216499-4, (MSD) R4216499-5, L1859689-04	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
WG2517187	(MS) R4216509-13	Kjeldahl Nitrogen, TKN
WG2517187	(MS) R4216509-5	Kjeldahl Nitrogen, TKN
WG2517187	(MSD) R4216509-7	Kjeldahl Nitrogen, TKN
WG2517189	(MS) R4216498-12	Kjeldahl Nitrogen, TKN
WG2517189	(MS) R4216498-5	Kjeldahl Nitrogen, TKN
WG2517189	(MSD) R4216498-7	Kjeldahl Nitrogen, TKN
WG2517190	(MS) R4216462-3	Kjeldahl Nitrogen, TKN
WG2517190	(MSD) R4216462-5	Kjeldahl Nitrogen, TKN

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

Batch	Lab Sample ID	Analytes
WG2517187	(MS) R4216509-5, (MSD) R4216509-7	Kjeldahl Nitrogen, TKN
WG2517190	(MS) R4216462-3	Kjeldahl Nitrogen, TKN

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

Batch	Lab Sample ID	Analytes
WG2517189	(MS) R4216498-12	Kjeldahl Nitrogen, TKN

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

Batch	Lab Sample ID	Analytes
WG2517189	(MSD) R4216498-7	Kjeldahl Nitrogen, TKN
WG2517190	(MS) R4216462-7, (MSD) R4216462-8	Kjeldahl Nitrogen, TKN

Wet Chemistry by Method 9056A

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

Batch	Lab Sample ID	Analytes
WG2516935	(MS) R4216128-3, (MSD) R4216128-4, L1859689-21	Nitrate-Nitrite

Wet Chemistry by Method WALKLEY-BLACK

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

Batch	Lab Sample ID	Analytes
WG2516896	(DUP) R4216281-4	TOC By Walkley Black
WG2516927	(DUP) R4216273-5	TOC By Walkley Black

Metals (ICP) by Method 6010D

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

Batch	Lab Sample ID	Analytes
WG2516925	(MS) R4216073-5	Aluminum and Magnesium

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

Batch	Lab Sample ID	Analytes
WG2516931	(MS) R4216074-5, L1859689-21	Aluminum and Magnesium

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

Batch	Lab Sample ID	Analytes
WG2516925	(MS) R4216073-5, (MSD) R4216073-6	Calcium and Iron
WG2516931	(MS) R4216074-5, (MSD) R4216074-6, L1859689-21	Calcium and Iron

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

Batch	Lab Sample ID	Analytes
WG2516925	(MSD) R4216073-6	Aluminum and Iron
WG2516931	(MSD) R4216074-6, L1859689-21	Iron

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

Batch	Lab Sample ID	Analytes
WG2516931	L1859689-21	Calcium, Magnesium, Manganese and Potassium

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
WG2516340	L1859689-08	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Acrolein and Naphthalene
WG2516340	L1859689-15	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Acrolein and Naphthalene
WG2516340	L1859689-22	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Acrolein and Naphthalene
WG2516888	L1859689-01	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Chloroethane, Chloromethane, Dichlorodifluoromethane and Vinyl chloride
WG2516888	L1859689-02	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Chloroethane, Chloromethane, Dichlorodifluoromethane and Vinyl chloride
WG2516888	L1859689-03	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Chloroethane, Chloromethane, Dichlorodifluoromethane and Vinyl chloride
WG2516888	L1859689-04	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Chloroethane, Chloromethane, Dichlorodifluoromethane and Vinyl chloride
WG2516888	L1859689-05	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Chloroethane, Chloromethane, Dichlorodifluoromethane and Vinyl chloride
WG2516888	L1859689-06	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Chloroethane, Chloromethane, Dichlorodifluoromethane and Vinyl chloride
WG2516888	L1859689-07	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Chloroethane, Chloromethane, Dichlorodifluoromethane and Vinyl chloride
WG2516912	L1859689-09	Bromomethane

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
WG2516912	L1859689-10	Bromomethane
WG2516912	L1859689-11	Bromomethane
WG2516912	L1859689-12	Bromomethane
WG2516912	L1859689-13	Bromomethane
WG2516912	L1859689-14	Bromomethane
WG2516912	L1859689-16	Bromomethane
WG2516912	L1859689-17	Bromomethane
WG2516912	L1859689-18	Bromomethane
WG2516912	L1859689-19	Bromomethane
WG2516912	L1859689-20	Bromomethane
WG2516912	L1859689-21	Bromomethane

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

Batch	Lab Sample ID	Analytes
WG2516888	(LCS) R4216050-1, L1859689-01, 02, 03, 04, 05, 06, 07	1,2,3-Trichlorobenzene

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

Batch	Lab Sample ID	Analytes
WG2516340	(LCS) R4215939-1, (LCSD) R4215939-3, L1859689-08, 15, 22	1,3-Dichloropropane, Acrolein and Bromobenzene

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

Batch	Lab Sample ID	Analytes
WG2516340	(LCSD) R4215939-3, L1859689-08, 15, 22	11 analytes
WG2516888	(LCSD) R4216050-2, L1859689-01, 02, 03, 04, 05, 06, 07	1,2,3-Trichlorobenzene and Acetone
WG2516912	(LCSD) R4216188-2, L1859689-09, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21	1,2-Dibromo-3-Chloropropane, 2-Butanone (MEK) and Acrylonitrile

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

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

Batch	Lab Sample ID	Analytes
WG2516905	L1859689-01	2,4-Dinitrophenol and Pentachlorophenol
WG2516905	L1859689-02	2,4-Dinitrophenol and Pentachlorophenol
WG2516905	L1859689-04	2,4-Dinitrophenol and Pentachlorophenol
WG2516905	L1859689-05	2,4-Dinitrophenol and Pentachlorophenol
WG2516905	L1859689-06	2,4-Dinitrophenol and Pentachlorophenol
WG2516905	L1859689-07	2,4-Dinitrophenol and Pentachlorophenol
WG2516905	L1859689-09	2,4-Dinitrophenol and Pentachlorophenol
WG2516905	L1859689-10	2,4-Dinitrophenol and Pentachlorophenol
WG2516905	L1859689-11	2,4-Dinitrophenol and Pentachlorophenol
WG2516905	L1859689-12	2,4-Dinitrophenol and Pentachlorophenol
WG2516905	L1859689-13	2,4-Dinitrophenol and Pentachlorophenol
WG2516905	L1859689-14	2,4-Dinitrophenol and Pentachlorophenol
WG2516905	L1859689-16	2,4-Dinitrophenol and Pentachlorophenol
WG2516905	L1859689-17	2,4-Dinitrophenol and Pentachlorophenol
WG2516905	L1859689-18	2,4-Dinitrophenol and Pentachlorophenol
WG2516905	L1859689-19	2,4-Dinitrophenol and Pentachlorophenol
WG2517220	L1859689-03	2,2-Oxybis(1-Chloropropane), 2,4-Dimethylphenol, 4-Nitrophenol, Bis(2-chlorethoxy)methane, Hexachlorocyclopentadiene, n-Nitrosodimethylamine and Phenol
WG2517220	L1859689-20	2,2-Oxybis(1-Chloropropane), 2,4-Dimethylphenol, 4-Nitrophenol, Bis(2-chlorethoxy)methane, Hexachlorocyclopentadiene, n-Nitrosodimethylamine and Phenol

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

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

Batch	Lab Sample ID	Analytes
WG2517220	L1859689-21	2,2-Oxybis(1-Chloropropane), 2,4-Dimethylphenol, 4-Nitrophenol, Bis(2-chlorethoxy)methane, Hexachlorocyclopentadiene, n-Nitrosodimethylamine and Phenol

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

Batch	Lab Sample ID	Analytes
WG2516905	L1859689-01	Hexachlorocyclopentadiene
WG2516905	L1859689-02	Hexachlorocyclopentadiene
WG2516905	L1859689-04	Hexachlorocyclopentadiene
WG2516905	L1859689-05	Hexachlorocyclopentadiene
WG2516905	L1859689-06	Hexachlorocyclopentadiene
WG2516905	L1859689-07	Hexachlorocyclopentadiene
WG2516905	L1859689-09	Hexachlorocyclopentadiene
WG2516905	L1859689-10	Hexachlorocyclopentadiene
WG2516905	L1859689-11	Hexachlorocyclopentadiene
WG2516905	L1859689-12	Hexachlorocyclopentadiene
WG2516905	L1859689-13	Hexachlorocyclopentadiene
WG2516905	L1859689-14	Hexachlorocyclopentadiene
WG2516905	L1859689-16	Hexachlorocyclopentadiene
WG2516905	L1859689-17	Hexachlorocyclopentadiene
WG2516905	L1859689-18	Hexachlorocyclopentadiene
WG2516905	L1859689-19	Hexachlorocyclopentadiene

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

Batch	Lab Sample ID	Analytes
WG2517220	(MS) R4216331-3, (MSD) R4216331-4	2,4-Dinitrophenol and Di-n-octyl phthalate

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

Batch	Lab Sample ID	Analytes
WG2516905	(MS) R4216119-3, (MSD) R4216119-4	Benzidine and Hexachlorocyclopentadiene
WG2517220	(MSD) R4216331-4	Benzidine, Hexachlorocyclopentadiene and n-Nitrosodimethylamine

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

Batch	Lab Sample ID	Analytes
WG2517220	(MSD) R4216331-4	Benzidine, Hexachlorocyclopentadiene and n-Nitrosodimethylamine

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	2240000		26200	1	05/18/2025 19:30	WG2516923

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	76.5		1	05/16/2025 15:53	WG2516921

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		13100	1	05/18/2025 18:09	WG2517044

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	2230000		131000	5	05/18/2025 19:30	WG2517187

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		26200	1	05/16/2025 20:48	WG2516923

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	76900000		1000000	10	05/17/2025 16:08	WG2516896

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	3400000		26200	1	05/16/2025 19:55	WG2516925
Antimony	ND		2620	1	05/16/2025 19:55	WG2516925
Beryllium	352		262	1	05/16/2025 19:55	WG2516925
Calcium	8940000		131000	1	05/16/2025 19:55	WG2516925
Cobalt	2970		1310	1	05/16/2025 19:55	WG2516925
Iron	5980000		13100	1	05/16/2025 19:55	WG2516925
Magnesium	2000000		131000	1	05/16/2025 19:55	WG2516925
Manganese	186000		1310	1	05/16/2025 19:55	WG2516925
Potassium	2520000		131000	1	05/16/2025 19:55	WG2516925
Sodium	203000		131000	1	05/16/2025 19:55	WG2516925
Thallium	ND		2620	1	05/16/2025 19:55	WG2516925
Vanadium	11000		2620	1	05/16/2025 19:55	WG2516925

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	ND	J3	80.8	1	05/16/2025 17:34	WG2516888
Acrylonitrile	ND		20.2	1	05/16/2025 17:34	WG2516888
Bromobenzene	ND		20.2	1	05/16/2025 17:34	WG2516888
Bromodichloromethane	ND		4.04	1	05/16/2025 17:34	WG2516888
Bromoform	ND		40.4	1	05/16/2025 17:34	WG2516888
Bromomethane	ND		20.2	1	05/16/2025 17:34	WG2516888

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
n-Butylbenzene	ND		20.2	1	05/16/2025 17:34	WG2516888
sec-Butylbenzene	ND		20.2	1	05/16/2025 17:34	WG2516888
tert-Butylbenzene	ND		8.08	1	05/16/2025 17:34	WG2516888
Carbon tetrachloride	ND		8.08	1	05/16/2025 17:34	WG2516888
Chlorobenzene	ND		4.04	1	05/16/2025 17:34	WG2516888
Chlorodibromomethane	ND		4.04	1	05/16/2025 17:34	WG2516888
Chloroethane	ND	C3	8.08	1	05/16/2025 17:34	WG2516888
Chloroform	ND		4.04	1	05/16/2025 17:34	WG2516888
Chloromethane	ND	C3	20.2	1	05/16/2025 17:34	WG2516888
2-Chlorotoluene	ND		4.04	1	05/16/2025 17:34	WG2516888
4-Chlorotoluene	ND		8.08	1	05/16/2025 17:34	WG2516888
1,2-Dibromo-3-Chloropropane	ND		40.4	1	05/16/2025 17:34	WG2516888
1,2-Dibromoethane	ND		4.04	1	05/16/2025 17:34	WG2516888
Dibromomethane	ND		8.08	1	05/16/2025 17:34	WG2516888
1,2-Dichlorobenzene	ND		8.08	1	05/16/2025 17:34	WG2516888
1,3-Dichlorobenzene	ND		8.08	1	05/16/2025 17:34	WG2516888
1,4-Dichlorobenzene	ND		8.08	1	05/16/2025 17:34	WG2516888
Dichlorodifluoromethane	ND	C3	8.08	1	05/16/2025 17:34	WG2516888
1,1-Dichloroethane	ND		4.04	1	05/16/2025 17:34	WG2516888
1,2-Dichloroethane	ND		4.04	1	05/16/2025 17:34	WG2516888
1,1-Dichloroethene	ND		4.04	1	05/16/2025 17:34	WG2516888
cis-1,2-Dichloroethene	ND		4.04	1	05/16/2025 17:34	WG2516888
trans-1,2-Dichloroethene	ND		8.08	1	05/16/2025 17:34	WG2516888
1,2-Dichloropropane	ND		8.08	1	05/16/2025 17:34	WG2516888
1,1-Dichloropropene	ND		4.04	1	05/16/2025 17:34	WG2516888
1,3-Dichloropropane	ND		8.08	1	05/16/2025 17:34	WG2516888
cis-1,3-Dichloropropene	ND		4.04	1	05/16/2025 17:34	WG2516888
trans-1,3-Dichloropropene	ND		8.08	1	05/16/2025 17:34	WG2516888
2,2-Dichloropropane	ND		4.04	1	05/16/2025 17:34	WG2516888
Di-isopropyl ether	ND		1.62	1	05/16/2025 17:34	WG2516888
Hexachloro-1,3-butadiene	ND		40.4	1	05/16/2025 17:34	WG2516888
Isopropylbenzene	ND		4.04	1	05/16/2025 17:34	WG2516888
p-Isopropyltoluene	ND		8.08	1	05/16/2025 17:34	WG2516888
2-Butanone (MEK)	ND		162	1	05/16/2025 17:34	WG2516888
Methylene Chloride	ND		40.4	1	05/16/2025 17:34	WG2516888
4-Methyl-2-pentanone (MIBK)	ND		40.4	1	05/16/2025 17:34	WG2516888
Methyl tert-butyl ether	ND		1.62	1	05/16/2025 17:34	WG2516888
n-Propylbenzene	ND		8.08	1	05/16/2025 17:34	WG2516888
Styrene	ND		20.2	1	05/16/2025 17:34	WG2516888
1,1,1,2-Tetrachloroethane	ND		4.04	1	05/16/2025 17:34	WG2516888
1,1,2,2-Tetrachloroethane	ND		4.04	1	05/16/2025 17:34	WG2516888
1,1,2-Trichlorotrifluoroethane	ND		4.04	1	05/16/2025 17:34	WG2516888
Tetrachloroethene	ND		4.04	1	05/16/2025 17:34	WG2516888
1,2,3-Trichlorobenzene	ND	C3 J3 J4	20.2	1	05/16/2025 17:34	WG2516888
1,2,4-Trichlorobenzene	ND	C3	20.2	1	05/16/2025 17:34	WG2516888
1,1,1-Trichloroethane	ND		4.04	1	05/16/2025 17:34	WG2516888
1,1,2-Trichloroethane	ND		4.04	1	05/16/2025 17:34	WG2516888
Trichloroethene	ND		1.62	1	05/16/2025 17:34	WG2516888
Trichlorofluoromethane	ND		4.04	1	05/16/2025 17:34	WG2516888
1,2,3-Trichloropropane	ND		20.2	1	05/16/2025 17:34	WG2516888
1,2,3-Trimethylbenzene	ND		8.08	1	05/16/2025 17:34	WG2516888
Vinyl chloride	ND	C3	4.04	1	05/16/2025 17:34	WG2516888
(S) Toluene-d8	*106*		*75.0-131*		*05/16/2025 17:34*	WG2516888
(S) 4-Bromofluorobenzene	*92.6*		*67.0-138*		*05/16/2025 17:34*	WG2516888
(S) 1,2-Dichloroethane-d4	*102*		*70.0-130*		*05/16/2025 17:34*	WG2516888

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		87.1	2	05/16/2025 23:36	WG2516905
Benzidine	ND		4370	2	05/16/2025 23:36	WG2516905
Benzo(g,h,i)perylene	ND		87.1	2	05/16/2025 23:36	WG2516905
Bis(2-chlorethoxy)methane	ND		871	2	05/16/2025 23:36	WG2516905
Bis(2-chloroethyl)ether	ND		871	2	05/16/2025 23:36	WG2516905
2,2-Oxybis(1-Chloropropane)	ND		871	2	05/16/2025 23:36	WG2516905
4-Bromophenyl-phenylether	ND		871	2	05/16/2025 23:36	WG2516905
2-Chloronaphthalene	ND		87.1	2	05/16/2025 23:36	WG2516905
4-Chlorophenyl-phenylether	ND		871	2	05/16/2025 23:36	WG2516905
1,2-Dichlorobenzene	ND		871	2	05/16/2025 23:36	WG2516905
1,3-Dichlorobenzene	ND		871	2	05/16/2025 23:36	WG2516905
1,4-Dichlorobenzene	ND		871	2	05/16/2025 23:36	WG2516905
3,3-Dichlorobenzidine	ND		871	2	05/16/2025 23:36	WG2516905
2,4-Dinitrotoluene	ND		871	2	05/16/2025 23:36	WG2516905
2,6-Dinitrotoluene	ND		871	2	05/16/2025 23:36	WG2516905
Hexachlorobenzene	ND		871	2	05/16/2025 23:36	WG2516905
Hexachloro-1,3-butadiene	ND		871	2	05/16/2025 23:36	WG2516905
Hexachlorocyclopentadiene	ND	C7	871	2	05/16/2025 23:36	WG2516905
Hexachloroethane	ND		871	2	05/16/2025 23:36	WG2516905
Isophorone	ND		871	2	05/16/2025 23:36	WG2516905
Nitrobenzene	ND		871	2	05/16/2025 23:36	WG2516905
n-Nitrosodimethylamine	ND		871	2	05/16/2025 23:36	WG2516905
n-Nitrosodiphenylamine	ND		871	2	05/16/2025 23:36	WG2516905
n-Nitrosodi-n-propylamine	ND		871	2	05/16/2025 23:36	WG2516905
Phenanthrene	ND		87.1	2	05/16/2025 23:36	WG2516905
Benzylbutyl phthalate	ND		871	2	05/16/2025 23:36	WG2516905
Bis(2-ethylhexyl)phthalate	ND		871	2	05/16/2025 23:36	WG2516905
Di-n-butyl phthalate	ND		871	2	05/16/2025 23:36	WG2516905
Diethyl phthalate	ND		871	2	05/16/2025 23:36	WG2516905
Dimethyl phthalate	ND		871	2	05/16/2025 23:36	WG2516905
Di-n-octyl phthalate	ND		871	2	05/16/2025 23:36	WG2516905
1,2,4-Trichlorobenzene	ND		871	2	05/16/2025 23:36	WG2516905
4-Chloro-3-methylphenol	ND		871	2	05/16/2025 23:36	WG2516905
2-Chlorophenol	ND		871	2	05/16/2025 23:36	WG2516905
2,4-Dichlorophenol	ND		871	2	05/16/2025 23:36	WG2516905
2,4-Dimethylphenol	ND		871	2	05/16/2025 23:36	WG2516905
4,6-Dinitro-2-methylphenol	ND		871	2	05/16/2025 23:36	WG2516905
2,4-Dinitrophenol	ND	C3	871	2	05/16/2025 23:36	WG2516905
2-Nitrophenol	ND		871	2	05/16/2025 23:36	WG2516905
4-Nitrophenol	ND		871	2	05/16/2025 23:36	WG2516905
Pentachlorophenol	ND	C3	871	2	05/16/2025 23:36	WG2516905
Phenol	ND		871	2	05/16/2025 23:36	WG2516905
2,4,6-Trichlorophenol	ND		871	2	05/16/2025 23:36	WG2516905
(S) 2-Fluorophenol	*66.3*		*12.0-120*		*05/16/2025 23:36*	WG2516905
(S) Phenol-d5	*66.5*		*10.0-120*		*05/16/2025 23:36*	WG2516905
(S) Nitrobenzene-d5	*63.5*		*10.0-122*		*05/16/2025 23:36*	WG2516905
(S) 2-Fluorobiphenyl	*54.0*		*15.0-120*		*05/16/2025 23:36*	WG2516905
(S) 2,4,6-Tribromophenol	*55.3*		*10.0-127*		*05/16/2025 23:36*	WG2516905
(S) p-Terphenyl-d14	*58.4*		*10.0-120*		*05/16/2025 23:36*	WG2516905

Sample Narrative:

L1859689-01 WG2516905: Dilution due to matrix impact during extract concentration procedure

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	4430000		28100	1	05/18/2025 19:31	WG2516923

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	71.3		1	05/16/2025 15:53	WG2516921

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		14000	1	05/18/2025 18:15	WG2517044

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	4420000		140000	5	05/18/2025 19:31	WG2517187

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		28100	1	05/16/2025 21:04	WG2516923

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	58500000		1000000	10	05/17/2025 16:08	WG2516896

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	3480000		28100	1	05/16/2025 19:57	WG2516925
Antimony	ND		2810	1	05/16/2025 19:57	WG2516925
Beryllium	387		281	1	05/16/2025 19:57	WG2516925
Calcium	10500000		140000	1	05/16/2025 19:57	WG2516925
Cobalt	3170		1400	1	05/16/2025 19:57	WG2516925
Iron	4970000		14000	1	05/16/2025 19:57	WG2516925
Magnesium	2190000		140000	1	05/16/2025 19:57	WG2516925
Manganese	203000		1400	1	05/16/2025 19:57	WG2516925
Potassium	2050000		140000	1	05/16/2025 19:57	WG2516925
Sodium	ND		140000	1	05/16/2025 19:57	WG2516925
Thallium	ND		2810	1	05/16/2025 19:57	WG2516925
Vanadium	11000		2810	1	05/16/2025 19:57	WG2516925

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	ND	J3	90.3	1	05/16/2025 17:54	WG2516888
Acrylonitrile	ND		22.6	1	05/16/2025 17:54	WG2516888
Bromobenzene	ND		22.6	1	05/16/2025 17:54	WG2516888
Bromodichloromethane	ND		4.51	1	05/16/2025 17:54	WG2516888
Bromoform	ND		45.1	1	05/16/2025 17:54	WG2516888
Bromomethane	ND		22.6	1	05/16/2025 17:54	WG2516888

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
n-Butylbenzene	ND		22.6	1	05/16/2025 17:54	WG2516888
sec-Butylbenzene	ND		22.6	1	05/16/2025 17:54	WG2516888
tert-Butylbenzene	ND		9.03	1	05/16/2025 17:54	WG2516888
Carbon tetrachloride	ND		9.03	1	05/16/2025 17:54	WG2516888
Chlorobenzene	ND		4.51	1	05/16/2025 17:54	WG2516888
Chlorodibromomethane	ND		4.51	1	05/16/2025 17:54	WG2516888
Chloroethane	ND	C3	9.03	1	05/16/2025 17:54	WG2516888
Chloroform	ND		4.51	1	05/16/2025 17:54	WG2516888
Chloromethane	ND	C3	22.6	1	05/16/2025 17:54	WG2516888
2-Chlorotoluene	ND		4.51	1	05/16/2025 17:54	WG2516888
4-Chlorotoluene	ND		9.03	1	05/16/2025 17:54	WG2516888
1,2-Dibromo-3-Chloropropane	ND		45.1	1	05/16/2025 17:54	WG2516888
1,2-Dibromoethane	ND		4.51	1	05/16/2025 17:54	WG2516888
Dibromomethane	ND		9.03	1	05/16/2025 17:54	WG2516888
1,2-Dichlorobenzene	ND		9.03	1	05/16/2025 17:54	WG2516888
1,3-Dichlorobenzene	ND		9.03	1	05/16/2025 17:54	WG2516888
1,4-Dichlorobenzene	ND		9.03	1	05/16/2025 17:54	WG2516888
Dichlorodifluoromethane	ND	C3	9.03	1	05/16/2025 17:54	WG2516888
1,1-Dichloroethane	ND		4.51	1	05/16/2025 17:54	WG2516888
1,2-Dichloroethane	ND		4.51	1	05/16/2025 17:54	WG2516888
1,1-Dichloroethene	ND		4.51	1	05/16/2025 17:54	WG2516888
cis-1,2-Dichloroethene	ND		4.51	1	05/16/2025 17:54	WG2516888
trans-1,2-Dichloroethene	ND		9.03	1	05/16/2025 17:54	WG2516888
1,2-Dichloropropane	ND		9.03	1	05/16/2025 17:54	WG2516888
1,1-Dichloropropene	ND		4.51	1	05/16/2025 17:54	WG2516888
1,3-Dichloropropane	ND		9.03	1	05/16/2025 17:54	WG2516888
cis-1,3-Dichloropropene	ND		4.51	1	05/16/2025 17:54	WG2516888
trans-1,3-Dichloropropene	ND		9.03	1	05/16/2025 17:54	WG2516888
2,2-Dichloropropane	ND		4.51	1	05/16/2025 17:54	WG2516888
Di-isopropyl ether	ND		1.81	1	05/16/2025 17:54	WG2516888
Hexachloro-1,3-butadiene	ND		45.1	1	05/16/2025 17:54	WG2516888
Isopropylbenzene	ND		4.51	1	05/16/2025 17:54	WG2516888
p-Isopropyltoluene	ND		9.03	1	05/16/2025 17:54	WG2516888
2-Butanone (MEK)	ND		181	1	05/16/2025 17:54	WG2516888
Methylene Chloride	ND		45.1	1	05/16/2025 17:54	WG2516888
4-Methyl-2-pentanone (MIBK)	ND		45.1	1	05/16/2025 17:54	WG2516888
Methyl tert-butyl ether	ND		1.81	1	05/16/2025 17:54	WG2516888
n-Propylbenzene	ND		9.03	1	05/16/2025 17:54	WG2516888
Styrene	ND		22.6	1	05/16/2025 17:54	WG2516888
1,1,1,2-Tetrachloroethane	ND		4.51	1	05/16/2025 17:54	WG2516888
1,1,2,2-Tetrachloroethane	ND		4.51	1	05/16/2025 17:54	WG2516888
1,1,2-Trichlorotrifluoroethane	ND		4.51	1	05/16/2025 17:54	WG2516888
Tetrachloroethene	ND		4.51	1	05/16/2025 17:54	WG2516888
1,2,3-Trichlorobenzene	ND	C3 J3 J4	22.6	1	05/16/2025 17:54	WG2516888
1,2,4-Trichlorobenzene	ND	C3	22.6	1	05/16/2025 17:54	WG2516888
1,1,1-Trichloroethane	ND		4.51	1	05/16/2025 17:54	WG2516888
1,1,2-Trichloroethane	ND		4.51	1	05/16/2025 17:54	WG2516888
Trichloroethene	ND		1.81	1	05/16/2025 17:54	WG2516888
Trichlorofluoromethane	ND		4.51	1	05/16/2025 17:54	WG2516888
1,2,3-Trichloropropane	ND		22.6	1	05/16/2025 17:54	WG2516888
1,2,3-Trimethylbenzene	ND		9.03	1	05/16/2025 17:54	WG2516888
Vinyl chloride	ND	C3	4.51	1	05/16/2025 17:54	WG2516888
(S) Toluene-d8	*107*		*75.0-131*		*05/16/2025 17:54*	WG2516888
(S) 4-Bromofluorobenzene	*92.4*		*67.0-138*		*05/16/2025 17:54*	WG2516888
(S) 1,2-Dichloroethane-d4	*103*		*70.0-130*		*05/16/2025 17:54*	WG2516888

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		93.4	2	05/17/2025 03:04	WG2516905
Benzidine	ND		4680	2	05/17/2025 03:04	WG2516905
Benzo(g,h,i)perylene	ND		93.4	2	05/17/2025 03:04	WG2516905
Bis(2-chlorethoxy)methane	ND		934	2	05/17/2025 03:04	WG2516905
Bis(2-chloroethyl)ether	ND		934	2	05/17/2025 03:04	WG2516905
2,2-Oxybis(1-Chloropropane)	ND		934	2	05/17/2025 03:04	WG2516905
4-Bromophenyl-phenylether	ND		934	2	05/17/2025 03:04	WG2516905
2-Chloronaphthalene	ND		93.4	2	05/17/2025 03:04	WG2516905
4-Chlorophenyl-phenylether	ND		934	2	05/17/2025 03:04	WG2516905
1,2-Dichlorobenzene	ND		934	2	05/17/2025 03:04	WG2516905
1,3-Dichlorobenzene	ND		934	2	05/17/2025 03:04	WG2516905
1,4-Dichlorobenzene	ND		934	2	05/17/2025 03:04	WG2516905
3,3-Dichlorobenzidine	ND		934	2	05/17/2025 03:04	WG2516905
2,4-Dinitrotoluene	ND		934	2	05/17/2025 03:04	WG2516905
2,6-Dinitrotoluene	ND		934	2	05/17/2025 03:04	WG2516905
Hexachlorobenzene	ND		934	2	05/17/2025 03:04	WG2516905
Hexachloro-1,3-butadiene	ND		934	2	05/17/2025 03:04	WG2516905
Hexachlorocyclopentadiene	ND	C7	934	2	05/17/2025 03:04	WG2516905
Hexachloroethane	ND		934	2	05/17/2025 03:04	WG2516905
Isophorone	ND		934	2	05/17/2025 03:04	WG2516905
Nitrobenzene	ND		934	2	05/17/2025 03:04	WG2516905
n-Nitrosodimethylamine	ND		934	2	05/17/2025 03:04	WG2516905
n-Nitrosodiphenylamine	ND		934	2	05/17/2025 03:04	WG2516905
n-Nitrosodi-n-propylamine	ND		934	2	05/17/2025 03:04	WG2516905
Phenanthrene	ND		93.4	2	05/17/2025 03:04	WG2516905
Benzylbutyl phthalate	ND		934	2	05/17/2025 03:04	WG2516905
Bis(2-ethylhexyl)phthalate	ND		934	2	05/17/2025 03:04	WG2516905
Di-n-butyl phthalate	ND		934	2	05/17/2025 03:04	WG2516905
Diethyl phthalate	ND		934	2	05/17/2025 03:04	WG2516905
Dimethyl phthalate	ND		934	2	05/17/2025 03:04	WG2516905
Di-n-octyl phthalate	ND		934	2	05/17/2025 03:04	WG2516905
1,2,4-Trichlorobenzene	ND		934	2	05/17/2025 03:04	WG2516905
4-Chloro-3-methylphenol	ND		934	2	05/17/2025 03:04	WG2516905
2-Chlorophenol	ND		934	2	05/17/2025 03:04	WG2516905
2,4-Dichlorophenol	ND		934	2	05/17/2025 03:04	WG2516905
2,4-Dimethylphenol	ND		934	2	05/17/2025 03:04	WG2516905
4,6-Dinitro-2-methylphenol	ND		934	2	05/17/2025 03:04	WG2516905
2,4-Dinitrophenol	ND	C3	934	2	05/17/2025 03:04	WG2516905
2-Nitrophenol	ND		934	2	05/17/2025 03:04	WG2516905
4-Nitrophenol	ND		934	2	05/17/2025 03:04	WG2516905
Pentachlorophenol	ND	C3	934	2	05/17/2025 03:04	WG2516905
Phenol	ND		934	2	05/17/2025 03:04	WG2516905
2,4,6-Trichlorophenol	ND		934	2	05/17/2025 03:04	WG2516905
(S) 2-Fluorophenol	*68.2*		*12.0-120*		*05/17/2025 03:04*	WG2516905
(S) Phenol-d5	*67.0*		*10.0-120*		*05/17/2025 03:04*	WG2516905
(S) Nitrobenzene-d5	*63.7*		*10.0-122*		*05/17/2025 03:04*	WG2516905
(S) 2-Fluorobiphenyl	*53.7*		*15.0-120*		*05/17/2025 03:04*	WG2516905
(S) 2,4,6-Tribromophenol	*58.3*		*10.0-127*		*05/17/2025 03:04*	WG2516905
(S) p-Terphenyl-d14	*57.3*		*10.0-120*		*05/17/2025 03:04*	WG2516905

Sample Narrative:

L1859689-02 WG2516905: Dilution due to matrix impact during extract concentration procedure

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	3500000		27000	1	05/18/2025 17:58	WG2516923

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	74.2		1	05/16/2025 15:53	WG2516921

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		13500	1	05/18/2025 18:17	WG2517044

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	3500000		135000	5	05/18/2025 17:58	WG2517189

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		27000	1	05/16/2025 21:21	WG2516923

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	48800000		1000000	10	05/17/2025 16:09	WG2516896

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	2970000		27000	1	05/16/2025 20:00	WG2516925
Antimony	ND		2700	1	05/16/2025 20:00	WG2516925
Beryllium	346		270	1	05/16/2025 20:00	WG2516925
Calcium	8680000		135000	1	05/16/2025 20:00	WG2516925
Cobalt	2700		1350	1	05/16/2025 20:00	WG2516925
Iron	4440000		13500	1	05/16/2025 20:00	WG2516925
Magnesium	1840000		135000	1	05/16/2025 20:00	WG2516925
Manganese	173000		1350	1	05/16/2025 20:00	WG2516925
Potassium	1730000		135000	1	05/16/2025 20:00	WG2516925
Sodium	272000		135000	1	05/16/2025 20:00	WG2516925
Thallium	ND		2700	1	05/16/2025 20:00	WG2516925
Vanadium	9900		2700	1	05/16/2025 20:00	WG2516925

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	ND	J3	84.9	1	05/16/2025 18:14	WG2516888
Acrylonitrile	ND		21.2	1	05/16/2025 18:14	WG2516888
Bromobenzene	ND		21.2	1	05/16/2025 18:14	WG2516888
Bromodichloromethane	ND		4.24	1	05/16/2025 18:14	WG2516888
Bromoform	ND		42.4	1	05/16/2025 18:14	WG2516888
Bromomethane	ND		21.2	1	05/16/2025 18:14	WG2516888

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
n-Butylbenzene	ND		21.2	1	05/16/2025 18:14	WG2516888
sec-Butylbenzene	ND		21.2	1	05/16/2025 18:14	WG2516888
tert-Butylbenzene	ND		8.49	1	05/16/2025 18:14	WG2516888
Carbon tetrachloride	ND		8.49	1	05/16/2025 18:14	WG2516888
Chlorobenzene	ND		4.24	1	05/16/2025 18:14	WG2516888
Chlorodibromomethane	ND		4.24	1	05/16/2025 18:14	WG2516888
Chloroethane	ND	C3	8.49	1	05/16/2025 18:14	WG2516888
Chloroform	ND		4.24	1	05/16/2025 18:14	WG2516888
Chloromethane	ND	C3	21.2	1	05/16/2025 18:14	WG2516888
2-Chlorotoluene	ND		4.24	1	05/16/2025 18:14	WG2516888
4-Chlorotoluene	ND		8.49	1	05/16/2025 18:14	WG2516888
1,2-Dibromo-3-Chloropropane	ND		42.4	1	05/16/2025 18:14	WG2516888
1,2-Dibromoethane	ND		4.24	1	05/16/2025 18:14	WG2516888
Dibromomethane	ND		8.49	1	05/16/2025 18:14	WG2516888
1,2-Dichlorobenzene	ND		8.49	1	05/16/2025 18:14	WG2516888
1,3-Dichlorobenzene	ND		8.49	1	05/16/2025 18:14	WG2516888
1,4-Dichlorobenzene	ND		8.49	1	05/16/2025 18:14	WG2516888
Dichlorodifluoromethane	ND	C3	8.49	1	05/16/2025 18:14	WG2516888
1,1-Dichloroethane	ND		4.24	1	05/16/2025 18:14	WG2516888
1,2-Dichloroethane	ND		4.24	1	05/16/2025 18:14	WG2516888
1,1-Dichloroethene	ND		4.24	1	05/16/2025 18:14	WG2516888
cis-1,2-Dichloroethene	ND		4.24	1	05/16/2025 18:14	WG2516888
trans-1,2-Dichloroethene	ND		8.49	1	05/16/2025 18:14	WG2516888
1,2-Dichloropropane	ND		8.49	1	05/16/2025 18:14	WG2516888
1,1-Dichloropropene	ND		4.24	1	05/16/2025 18:14	WG2516888
1,3-Dichloropropane	ND		8.49	1	05/16/2025 18:14	WG2516888
cis-1,3-Dichloropropene	ND		4.24	1	05/16/2025 18:14	WG2516888
trans-1,3-Dichloropropene	ND		8.49	1	05/16/2025 18:14	WG2516888
2,2-Dichloropropane	ND		4.24	1	05/16/2025 18:14	WG2516888
Di-isopropyl ether	ND		1.70	1	05/16/2025 18:14	WG2516888
Hexachloro-1,3-butadiene	ND		42.4	1	05/16/2025 18:14	WG2516888
Isopropylbenzene	ND		4.24	1	05/16/2025 18:14	WG2516888
p-Isopropyltoluene	ND		8.49	1	05/16/2025 18:14	WG2516888
2-Butanone (MEK)	ND		170	1	05/16/2025 18:14	WG2516888
Methylene Chloride	ND		42.4	1	05/16/2025 18:14	WG2516888
4-Methyl-2-pentanone (MIBK)	ND		42.4	1	05/16/2025 18:14	WG2516888
Methyl tert-butyl ether	ND		1.70	1	05/16/2025 18:14	WG2516888
n-Propylbenzene	ND		8.49	1	05/16/2025 18:14	WG2516888
Styrene	ND		21.2	1	05/16/2025 18:14	WG2516888
1,1,1,2-Tetrachloroethane	ND		4.24	1	05/16/2025 18:14	WG2516888
1,1,2,2-Tetrachloroethane	ND		4.24	1	05/16/2025 18:14	WG2516888
1,1,2-Trichlorotrifluoroethane	ND		4.24	1	05/16/2025 18:14	WG2516888
Tetrachloroethene	ND		4.24	1	05/16/2025 18:14	WG2516888
1,2,3-Trichlorobenzene	ND	C3 J3 J4	21.2	1	05/16/2025 18:14	WG2516888
1,2,4-Trichlorobenzene	ND	C3	21.2	1	05/16/2025 18:14	WG2516888
1,1,1-Trichloroethane	ND		4.24	1	05/16/2025 18:14	WG2516888
1,1,2-Trichloroethane	ND		4.24	1	05/16/2025 18:14	WG2516888
Trichloroethene	ND		1.70	1	05/16/2025 18:14	WG2516888
Trichlorofluoromethane	ND		4.24	1	05/16/2025 18:14	WG2516888
1,2,3-Trichloropropane	ND		21.2	1	05/16/2025 18:14	WG2516888
1,2,3-Trimethylbenzene	ND		8.49	1	05/16/2025 18:14	WG2516888
Vinyl chloride	ND	C3	4.24	1	05/16/2025 18:14	WG2516888
(S) Toluene-d8	*107*		*75.0-131*		*05/16/2025 18:14*	WG2516888
(S) 4-Bromofluorobenzene	*93.9*		*67.0-138*		*05/16/2025 18:14*	WG2516888
(S) 1,2-Dichloroethane-d4	*103*		*70.0-130*		*05/16/2025 18:14*	WG2516888

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		449	10	05/17/2025 17:40	WG2517220
Benzidine	ND		22500	10	05/17/2025 17:40	WG2517220
Benzo(g,h,i)perylene	ND		449	10	05/17/2025 17:40	WG2517220
Bis(2-chlorethoxy)methane	ND	C3	4490	10	05/17/2025 17:40	WG2517220
Bis(2-chloroethyl)ether	ND		4490	10	05/17/2025 17:40	WG2517220
2,2-Oxybis(1-Chloropropane)	ND	C3	4490	10	05/17/2025 17:40	WG2517220
4-Bromophenyl-phenylether	ND		4490	10	05/17/2025 17:40	WG2517220
2-Chloronaphthalene	ND		449	10	05/17/2025 17:40	WG2517220
4-Chlorophenyl-phenylether	ND		4490	10	05/17/2025 17:40	WG2517220
1,2-Dichlorobenzene	ND		4490	10	05/17/2025 17:40	WG2517220
1,3-Dichlorobenzene	ND		4490	10	05/17/2025 17:40	WG2517220
1,4-Dichlorobenzene	ND		4490	10	05/17/2025 17:40	WG2517220
3,3-Dichlorobenzidine	ND		4490	10	05/17/2025 17:40	WG2517220
2,4-Dinitrotoluene	ND		4490	10	05/17/2025 17:40	WG2517220
2,6-Dinitrotoluene	ND		4490	10	05/17/2025 17:40	WG2517220
Hexachlorobenzene	ND		4490	10	05/17/2025 17:40	WG2517220
Hexachloro-1,3-butadiene	ND		4490	10	05/17/2025 17:40	WG2517220
Hexachlorocyclopentadiene	ND	C3	4490	10	05/17/2025 17:40	WG2517220
Hexachloroethane	ND		4490	10	05/17/2025 17:40	WG2517220
Isophorone	ND		4490	10	05/17/2025 17:40	WG2517220
Nitrobenzene	ND		4490	10	05/17/2025 17:40	WG2517220
n-Nitrosodimethylamine	ND	C3	4490	10	05/17/2025 17:40	WG2517220
n-Nitrosodiphenylamine	ND		4490	10	05/17/2025 17:40	WG2517220
n-Nitrosodi-n-propylamine	ND		4490	10	05/17/2025 17:40	WG2517220
Phenanthrene	ND		449	10	05/17/2025 17:40	WG2517220
Benzylbutyl phthalate	ND		4490	10	05/17/2025 17:40	WG2517220
Bis(2-ethylhexyl)phthalate	ND		4490	10	05/17/2025 17:40	WG2517220
Di-n-butyl phthalate	ND		4490	10	05/17/2025 17:40	WG2517220
Diethyl phthalate	ND		4490	10	05/17/2025 17:40	WG2517220
Dimethyl phthalate	ND		4490	10	05/17/2025 17:40	WG2517220
Di-n-octyl phthalate	ND		4490	10	05/17/2025 17:40	WG2517220
1,2,4-Trichlorobenzene	ND		4490	10	05/17/2025 17:40	WG2517220
4-Chloro-3-methylphenol	ND		4490	10	05/17/2025 17:40	WG2517220
2-Chlorophenol	ND		4490	10	05/17/2025 17:40	WG2517220
2,4-Dichlorophenol	ND		4490	10	05/17/2025 17:40	WG2517220
2,4-Dimethylphenol	ND	C3	4490	10	05/17/2025 17:40	WG2517220
4,6-Dinitro-2-methylphenol	ND		4490	10	05/17/2025 17:40	WG2517220
2,4-Dinitrophenol	ND		4490	10	05/17/2025 17:40	WG2517220
2-Nitrophenol	ND		4490	10	05/17/2025 17:40	WG2517220
4-Nitrophenol	ND	C3	4490	10	05/17/2025 17:40	WG2517220
Pentachlorophenol	ND		4490	10	05/17/2025 17:40	WG2517220
Phenol	ND	C3	4490	10	05/17/2025 17:40	WG2517220
2,4,6-Trichlorophenol	ND		4490	10	05/17/2025 17:40	WG2517220
(S) 2-Fluorophenol	*77.9*		*12.0-120*		*05/17/2025 17:40*	WG2517220
(S) Phenol-d5	*70.2*		*10.0-120*		*05/17/2025 17:40*	WG2517220
(S) Nitrobenzene-d5	*71.5*		*10.0-122*		*05/17/2025 17:40*	WG2517220
(S) 2-Fluorobiphenyl	*81.3*		*15.0-120*		*05/17/2025 17:40*	WG2517220
(S) 2,4,6-Tribromophenol	*88.8*		*10.0-127*		*05/17/2025 17:40*	WG2517220
(S) p-Terphenyl-d14	*96.3*		*10.0-120*		*05/17/2025 17:40*	WG2517220

Sample Narrative:

L1859689-03 WG2517220: Dilution due to matrix impact during extract concentration procedure

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	3940000		24900	1	05/18/2025 19:32	WG2516923

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	80.2		1	05/16/2025 15:53	WG2516921

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND	J5	12500	1	05/18/2025 18:18	WG2517044

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	3860000		125000	5	05/18/2025 19:32	WG2517187

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	85500		24900	1	05/16/2025 21:37	WG2516923

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	77500000		900000	9	05/17/2025 16:10	WG2516896

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	2230000		24900	1	05/16/2025 20:02	WG2516925
Antimony	ND		2490	1	05/16/2025 20:02	WG2516925
Beryllium	266		249	1	05/16/2025 20:02	WG2516925
Calcium	7140000		125000	1	05/16/2025 20:02	WG2516925
Cobalt	1830		1250	1	05/16/2025 20:02	WG2516925
Iron	3930000		12500	1	05/16/2025 20:02	WG2516925
Magnesium	1790000		125000	1	05/16/2025 20:02	WG2516925
Manganese	140000		1250	1	05/16/2025 20:02	WG2516925
Potassium	1710000		125000	1	05/16/2025 20:02	WG2516925
Sodium	ND		125000	1	05/16/2025 20:02	WG2516925
Thallium	ND		2490	1	05/16/2025 20:02	WG2516925
Vanadium	7840		2490	1	05/16/2025 20:02	WG2516925

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	ND	J3	74.8	1	05/16/2025 18:34	WG2516888
Acrylonitrile	ND		18.7	1	05/16/2025 18:34	WG2516888
Bromobenzene	ND		18.7	1	05/16/2025 18:34	WG2516888
Bromodichloromethane	ND		3.74	1	05/16/2025 18:34	WG2516888
Bromoform	ND		37.4	1	05/16/2025 18:34	WG2516888
Bromomethane	ND		18.7	1	05/16/2025 18:34	WG2516888

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
n-Butylbenzene	ND		18.7	1	05/16/2025 18:34	WG2516888
sec-Butylbenzene	ND		18.7	1	05/16/2025 18:34	WG2516888
tert-Butylbenzene	ND		7.48	1	05/16/2025 18:34	WG2516888
Carbon tetrachloride	ND		7.48	1	05/16/2025 18:34	WG2516888
Chlorobenzene	ND		3.74	1	05/16/2025 18:34	WG2516888
Chlorodibromomethane	ND		3.74	1	05/16/2025 18:34	WG2516888
Chloroethane	ND	C3	7.48	1	05/16/2025 18:34	WG2516888
Chloroform	ND		3.74	1	05/16/2025 18:34	WG2516888
Chloromethane	ND	C3	18.7	1	05/16/2025 18:34	WG2516888
2-Chlorotoluene	ND		3.74	1	05/16/2025 18:34	WG2516888
4-Chlorotoluene	ND		7.48	1	05/16/2025 18:34	WG2516888
1,2-Dibromo-3-Chloropropane	ND		37.4	1	05/16/2025 18:34	WG2516888
1,2-Dibromoethane	ND		3.74	1	05/16/2025 18:34	WG2516888
Dibromomethane	ND		7.48	1	05/16/2025 18:34	WG2516888
1,2-Dichlorobenzene	ND		7.48	1	05/16/2025 18:34	WG2516888
1,3-Dichlorobenzene	ND		7.48	1	05/16/2025 18:34	WG2516888
1,4-Dichlorobenzene	ND		7.48	1	05/16/2025 18:34	WG2516888
Dichlorodifluoromethane	ND	C3	7.48	1	05/16/2025 18:34	WG2516888
1,1-Dichloroethane	ND		3.74	1	05/16/2025 18:34	WG2516888
1,2-Dichloroethane	ND		3.74	1	05/16/2025 18:34	WG2516888
1,1-Dichloroethene	ND		3.74	1	05/16/2025 18:34	WG2516888
cis-1,2-Dichloroethene	ND		3.74	1	05/16/2025 18:34	WG2516888
trans-1,2-Dichloroethene	ND		7.48	1	05/16/2025 18:34	WG2516888
1,2-Dichloropropane	ND		7.48	1	05/16/2025 18:34	WG2516888
1,1-Dichloropropene	ND		3.74	1	05/16/2025 18:34	WG2516888
1,3-Dichloropropane	ND		7.48	1	05/16/2025 18:34	WG2516888
cis-1,3-Dichloropropene	ND		3.74	1	05/16/2025 18:34	WG2516888
trans-1,3-Dichloropropene	ND		7.48	1	05/16/2025 18:34	WG2516888
2,2-Dichloropropane	ND		3.74	1	05/16/2025 18:34	WG2516888
Di-isopropyl ether	ND		1.50	1	05/16/2025 18:34	WG2516888
Hexachloro-1,3-butadiene	ND		37.4	1	05/16/2025 18:34	WG2516888
Isopropylbenzene	ND		3.74	1	05/16/2025 18:34	WG2516888
p-Isopropyltoluene	ND		7.48	1	05/16/2025 18:34	WG2516888
2-Butanone (MEK)	ND		150	1	05/16/2025 18:34	WG2516888
Methylene Chloride	ND		37.4	1	05/16/2025 18:34	WG2516888
4-Methyl-2-pentanone (MIBK)	ND		37.4	1	05/16/2025 18:34	WG2516888
Methyl tert-butyl ether	ND		1.50	1	05/16/2025 18:34	WG2516888
n-Propylbenzene	ND		7.48	1	05/16/2025 18:34	WG2516888
Styrene	ND		18.7	1	05/16/2025 18:34	WG2516888
1,1,1,2-Tetrachloroethane	ND		3.74	1	05/16/2025 18:34	WG2516888
1,1,2,2-Tetrachloroethane	ND		3.74	1	05/16/2025 18:34	WG2516888
1,1,2-Trichlorotrifluoroethane	ND		3.74	1	05/16/2025 18:34	WG2516888
Tetrachloroethene	ND		3.74	1	05/16/2025 18:34	WG2516888
1,2,3-Trichlorobenzene	ND	C3 J3 J4	18.7	1	05/16/2025 18:34	WG2516888
1,2,4-Trichlorobenzene	ND	C3	18.7	1	05/16/2025 18:34	WG2516888
1,1,1-Trichloroethane	ND		3.74	1	05/16/2025 18:34	WG2516888
1,1,2-Trichloroethane	ND		3.74	1	05/16/2025 18:34	WG2516888
Trichloroethene	ND		1.50	1	05/16/2025 18:34	WG2516888
Trichlorofluoromethane	ND		3.74	1	05/16/2025 18:34	WG2516888
1,2,3-Trichloropropane	ND		18.7	1	05/16/2025 18:34	WG2516888
1,2,3-Trimethylbenzene	ND		7.48	1	05/16/2025 18:34	WG2516888
Vinyl chloride	ND	C3	3.74	1	05/16/2025 18:34	WG2516888
(S) Toluene-d8	*108*		*75.0-131*		*05/16/2025 18:34*	WG2516888
(S) 4-Bromofluorobenzene	*91.3*		*67.0-138*		*05/16/2025 18:34*	WG2516888
(S) 1,2-Dichloroethane-d4	*101*		*70.0-130*		*05/16/2025 18:34*	WG2516888

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		83.1	2	05/17/2025 03:25	WG2516905
Benzidine	ND		4170	2	05/17/2025 03:25	WG2516905
Benzo(g,h,i)perylene	ND		83.1	2	05/17/2025 03:25	WG2516905
Bis(2-chlorethoxy)methane	ND		831	2	05/17/2025 03:25	WG2516905
Bis(2-chloroethyl)ether	ND		831	2	05/17/2025 03:25	WG2516905
2,2-Oxybis(1-Chloropropane)	ND		831	2	05/17/2025 03:25	WG2516905
4-Bromophenyl-phenylether	ND		831	2	05/17/2025 03:25	WG2516905
2-Chloronaphthalene	ND		83.1	2	05/17/2025 03:25	WG2516905
4-Chlorophenyl-phenylether	ND		831	2	05/17/2025 03:25	WG2516905
1,2-Dichlorobenzene	ND		831	2	05/17/2025 03:25	WG2516905
1,3-Dichlorobenzene	ND		831	2	05/17/2025 03:25	WG2516905
1,4-Dichlorobenzene	ND		831	2	05/17/2025 03:25	WG2516905
3,3-Dichlorobenzidine	ND		831	2	05/17/2025 03:25	WG2516905
2,4-Dinitrotoluene	ND		831	2	05/17/2025 03:25	WG2516905
2,6-Dinitrotoluene	ND		831	2	05/17/2025 03:25	WG2516905
Hexachlorobenzene	ND		831	2	05/17/2025 03:25	WG2516905
Hexachloro-1,3-butadiene	ND		831	2	05/17/2025 03:25	WG2516905
Hexachlorocyclopentadiene	ND	C7	831	2	05/17/2025 03:25	WG2516905
Hexachloroethane	ND		831	2	05/17/2025 03:25	WG2516905
Isophorone	ND		831	2	05/17/2025 03:25	WG2516905
Nitrobenzene	ND		831	2	05/17/2025 03:25	WG2516905
n-Nitrosodimethylamine	ND		831	2	05/17/2025 03:25	WG2516905
n-Nitrosodiphenylamine	ND		831	2	05/17/2025 03:25	WG2516905
n-Nitrosodi-n-propylamine	ND		831	2	05/17/2025 03:25	WG2516905
Phenanthrene	ND		83.1	2	05/17/2025 03:25	WG2516905
Benzylbutyl phthalate	ND		831	2	05/17/2025 03:25	WG2516905
Bis(2-ethylhexyl)phthalate	ND		831	2	05/17/2025 03:25	WG2516905
Di-n-butyl phthalate	ND		831	2	05/17/2025 03:25	WG2516905
Diethyl phthalate	ND		831	2	05/17/2025 03:25	WG2516905
Dimethyl phthalate	ND		831	2	05/17/2025 03:25	WG2516905
Di-n-octyl phthalate	ND		831	2	05/17/2025 03:25	WG2516905
1,2,4-Trichlorobenzene	ND		831	2	05/17/2025 03:25	WG2516905
4-Chloro-3-methylphenol	ND		831	2	05/17/2025 03:25	WG2516905
2-Chlorophenol	ND		831	2	05/17/2025 03:25	WG2516905
2,4-Dichlorophenol	ND		831	2	05/17/2025 03:25	WG2516905
2,4-Dimethylphenol	ND		831	2	05/17/2025 03:25	WG2516905
4,6-Dinitro-2-methylphenol	ND		831	2	05/17/2025 03:25	WG2516905
2,4-Dinitrophenol	ND	C3	831	2	05/17/2025 03:25	WG2516905
2-Nitrophenol	ND		831	2	05/17/2025 03:25	WG2516905
4-Nitrophenol	ND		831	2	05/17/2025 03:25	WG2516905
Pentachlorophenol	ND	C3	831	2	05/17/2025 03:25	WG2516905
Phenol	ND		831	2	05/17/2025 03:25	WG2516905
2,4,6-Trichlorophenol	ND		831	2	05/17/2025 03:25	WG2516905
(S) 2-Fluorophenol	*55.2*		*12.0-120*		*05/17/2025 03:25*	WG2516905
(S) Phenol-d5	*53.2*		*10.0-120*		*05/17/2025 03:25*	WG2516905
(S) Nitrobenzene-d5	*50.6*		*10.0-122*		*05/17/2025 03:25*	WG2516905
(S) 2-Fluorobiphenyl	*41.2*		*15.0-120*		*05/17/2025 03:25*	WG2516905
(S) 2,4,6-Tribromophenol	*49.5*		*10.0-127*		*05/17/2025 03:25*	WG2516905
(S) p-Terphenyl-d14	*46.2*		*10.0-120*		*05/17/2025 03:25*	WG2516905

Sample Narrative:

L1859689-04 WG2516905: Dilution due to matrix impact during extract concentration procedure

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	2180000		23700	1	05/18/2025 19:33	WG2516923

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.3		1	05/16/2025 15:53	WG2516921

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11900	1	05/18/2025 18:23	WG2517044

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	2170000		119000	5	05/18/2025 19:33	WG2517187

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		23700	1	05/16/2025 22:26	WG2516923

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	38800000		1000000	10	05/17/2025 16:10	WG2516896

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	2020000		23700	1	05/16/2025 20:05	WG2516925
Antimony	ND		2370	1	05/16/2025 20:05	WG2516925
Beryllium	ND		237	1	05/16/2025 20:05	WG2516925
Calcium	10200000		119000	1	05/16/2025 20:05	WG2516925
Cobalt	1650		1190	1	05/16/2025 20:05	WG2516925
Iron	3760000		11900	1	05/16/2025 20:05	WG2516925
Magnesium	1560000		119000	1	05/16/2025 20:05	WG2516925
Manganese	138000		1190	1	05/16/2025 20:05	WG2516925
Potassium	1420000		119000	1	05/16/2025 20:05	WG2516925
Sodium	ND		119000	1	05/16/2025 20:05	WG2516925
Thallium	ND		2370	1	05/16/2025 20:05	WG2516925
Vanadium	6990		2370	1	05/16/2025 20:05	WG2516925

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	ND	J3	68.7	1	05/16/2025 18:54	WG2516888
Acrylonitrile	ND		17.2	1	05/16/2025 18:54	WG2516888
Bromobenzene	ND		17.2	1	05/16/2025 18:54	WG2516888
Bromodichloromethane	ND		3.43	1	05/16/2025 18:54	WG2516888
Bromoform	ND		34.3	1	05/16/2025 18:54	WG2516888
Bromomethane	ND		17.2	1	05/16/2025 18:54	WG2516888

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
n-Butylbenzene	ND		17.2	1	05/16/2025 18:54	WG2516888
sec-Butylbenzene	ND		17.2	1	05/16/2025 18:54	WG2516888
tert-Butylbenzene	ND		6.87	1	05/16/2025 18:54	WG2516888
Carbon tetrachloride	ND		6.87	1	05/16/2025 18:54	WG2516888
Chlorobenzene	ND		3.43	1	05/16/2025 18:54	WG2516888
Chlorodibromomethane	ND		3.43	1	05/16/2025 18:54	WG2516888
Chloroethane	ND	C3	6.87	1	05/16/2025 18:54	WG2516888
Chloroform	ND		3.43	1	05/16/2025 18:54	WG2516888
Chloromethane	ND	C3	17.2	1	05/16/2025 18:54	WG2516888
2-Chlorotoluene	ND		3.43	1	05/16/2025 18:54	WG2516888
4-Chlorotoluene	ND		6.87	1	05/16/2025 18:54	WG2516888
1,2-Dibromo-3-Chloropropane	ND		34.3	1	05/16/2025 18:54	WG2516888
1,2-Dibromoethane	ND		3.43	1	05/16/2025 18:54	WG2516888
Dibromomethane	ND		6.87	1	05/16/2025 18:54	WG2516888
1,2-Dichlorobenzene	ND		6.87	1	05/16/2025 18:54	WG2516888
1,3-Dichlorobenzene	ND		6.87	1	05/16/2025 18:54	WG2516888
1,4-Dichlorobenzene	ND		6.87	1	05/16/2025 18:54	WG2516888
Dichlorodifluoromethane	ND	C3	6.87	1	05/16/2025 18:54	WG2516888
1,1-Dichloroethane	ND		3.43	1	05/16/2025 18:54	WG2516888
1,2-Dichloroethane	ND		3.43	1	05/16/2025 18:54	WG2516888
1,1-Dichloroethene	ND		3.43	1	05/16/2025 18:54	WG2516888
cis-1,2-Dichloroethene	ND		3.43	1	05/16/2025 18:54	WG2516888
trans-1,2-Dichloroethene	ND		6.87	1	05/16/2025 18:54	WG2516888
1,2-Dichloropropane	ND		6.87	1	05/16/2025 18:54	WG2516888
1,1-Dichloropropene	ND		3.43	1	05/16/2025 18:54	WG2516888
1,3-Dichloropropane	ND		6.87	1	05/16/2025 18:54	WG2516888
cis-1,3-Dichloropropene	ND		3.43	1	05/16/2025 18:54	WG2516888
trans-1,3-Dichloropropene	ND		6.87	1	05/16/2025 18:54	WG2516888
2,2-Dichloropropane	ND		3.43	1	05/16/2025 18:54	WG2516888
Di-isopropyl ether	ND		1.37	1	05/16/2025 18:54	WG2516888
Hexachloro-1,3-butadiene	ND		34.3	1	05/16/2025 18:54	WG2516888
Isopropylbenzene	ND		3.43	1	05/16/2025 18:54	WG2516888
p-Isopropyltoluene	ND		6.87	1	05/16/2025 18:54	WG2516888
2-Butanone (MEK)	ND		137	1	05/16/2025 18:54	WG2516888
Methylene Chloride	ND		34.3	1	05/16/2025 18:54	WG2516888
4-Methyl-2-pentanone (MIBK)	ND		34.3	1	05/16/2025 18:54	WG2516888
Methyl tert-butyl ether	ND		1.37	1	05/16/2025 18:54	WG2516888
n-Propylbenzene	ND		6.87	1	05/16/2025 18:54	WG2516888
Styrene	ND		17.2	1	05/16/2025 18:54	WG2516888
1,1,1,2-Tetrachloroethane	ND		3.43	1	05/16/2025 18:54	WG2516888
1,1,2,2-Tetrachloroethane	ND		3.43	1	05/16/2025 18:54	WG2516888
1,1,2-Trichlorotrifluoroethane	ND		3.43	1	05/16/2025 18:54	WG2516888
Tetrachloroethene	ND		3.43	1	05/16/2025 18:54	WG2516888
1,2,3-Trichlorobenzene	ND	C3 J3 J4	17.2	1	05/16/2025 18:54	WG2516888
1,2,4-Trichlorobenzene	ND	C3	17.2	1	05/16/2025 18:54	WG2516888
1,1,1-Trichloroethane	ND		3.43	1	05/16/2025 18:54	WG2516888
1,1,2-Trichloroethane	ND		3.43	1	05/16/2025 18:54	WG2516888
Trichloroethene	ND		1.37	1	05/16/2025 18:54	WG2516888
Trichlorofluoromethane	ND		3.43	1	05/16/2025 18:54	WG2516888
1,2,3-Trichloropropane	ND		17.2	1	05/16/2025 18:54	WG2516888
1,2,3-Trimethylbenzene	ND		6.87	1	05/16/2025 18:54	WG2516888
Vinyl chloride	ND	C3	3.43	1	05/16/2025 18:54	WG2516888
(S) Toluene-d8	*106*		*75.0-131*		*05/16/2025 18:54*	WG2516888
(S) 4-Bromofluorobenzene	*91.2*		*67.0-138*		*05/16/2025 18:54*	WG2516888
(S) 1,2-Dichloroethane-d4	*104*		*70.0-130*		*05/16/2025 18:54*	WG2516888

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		79.0	2	05/17/2025 03:45	WG2516905
Benzidine	ND		3960	2	05/17/2025 03:45	WG2516905
Benzo(g,h,i)perylene	ND		79.0	2	05/17/2025 03:45	WG2516905
Bis(2-chlorethoxy)methane	ND		790	2	05/17/2025 03:45	WG2516905
Bis(2-chloroethyl)ether	ND		790	2	05/17/2025 03:45	WG2516905
2,2-Oxybis(1-Chloropropane)	ND		790	2	05/17/2025 03:45	WG2516905
4-Bromophenyl-phenylether	ND		790	2	05/17/2025 03:45	WG2516905
2-Chloronaphthalene	ND		79.0	2	05/17/2025 03:45	WG2516905
4-Chlorophenyl-phenylether	ND		790	2	05/17/2025 03:45	WG2516905
1,2-Dichlorobenzene	ND		790	2	05/17/2025 03:45	WG2516905
1,3-Dichlorobenzene	ND		790	2	05/17/2025 03:45	WG2516905
1,4-Dichlorobenzene	ND		790	2	05/17/2025 03:45	WG2516905
3,3-Dichlorobenzidine	ND		790	2	05/17/2025 03:45	WG2516905
2,4-Dinitrotoluene	ND		790	2	05/17/2025 03:45	WG2516905
2,6-Dinitrotoluene	ND		790	2	05/17/2025 03:45	WG2516905
Hexachlorobenzene	ND		790	2	05/17/2025 03:45	WG2516905
Hexachloro-1,3-butadiene	ND		790	2	05/17/2025 03:45	WG2516905
Hexachlorocyclopentadiene	ND	C7	790	2	05/17/2025 03:45	WG2516905
Hexachloroethane	ND		790	2	05/17/2025 03:45	WG2516905
Isophorone	ND		790	2	05/17/2025 03:45	WG2516905
Nitrobenzene	ND		790	2	05/17/2025 03:45	WG2516905
n-Nitrosodimethylamine	ND		790	2	05/17/2025 03:45	WG2516905
n-Nitrosodiphenylamine	ND		790	2	05/17/2025 03:45	WG2516905
n-Nitrosodi-n-propylamine	ND		790	2	05/17/2025 03:45	WG2516905
Phenanthrene	ND		79.0	2	05/17/2025 03:45	WG2516905
Benzylbutyl phthalate	ND		790	2	05/17/2025 03:45	WG2516905
Bis(2-ethylhexyl)phthalate	ND		790	2	05/17/2025 03:45	WG2516905
Di-n-butyl phthalate	ND		790	2	05/17/2025 03:45	WG2516905
Diethyl phthalate	ND		790	2	05/17/2025 03:45	WG2516905
Dimethyl phthalate	ND		790	2	05/17/2025 03:45	WG2516905
Di-n-octyl phthalate	ND		790	2	05/17/2025 03:45	WG2516905
1,2,4-Trichlorobenzene	ND		790	2	05/17/2025 03:45	WG2516905
4-Chloro-3-methylphenol	ND		790	2	05/17/2025 03:45	WG2516905
2-Chlorophenol	ND		790	2	05/17/2025 03:45	WG2516905
2,4-Dichlorophenol	ND		790	2	05/17/2025 03:45	WG2516905
2,4-Dimethylphenol	ND		790	2	05/17/2025 03:45	WG2516905
4,6-Dinitro-2-methylphenol	ND		790	2	05/17/2025 03:45	WG2516905
2,4-Dinitrophenol	ND	C3	790	2	05/17/2025 03:45	WG2516905
2-Nitrophenol	ND		790	2	05/17/2025 03:45	WG2516905
4-Nitrophenol	ND		790	2	05/17/2025 03:45	WG2516905
Pentachlorophenol	ND	C3	790	2	05/17/2025 03:45	WG2516905
Phenol	ND		790	2	05/17/2025 03:45	WG2516905
2,4,6-Trichlorophenol	ND		790	2	05/17/2025 03:45	WG2516905
(S) 2-Fluorophenol	*64.3*		*12.0-120*		*05/17/2025 03:45*	WG2516905
(S) Phenol-d5	*62.6*		*10.0-120*		*05/17/2025 03:45*	WG2516905
(S) Nitrobenzene-d5	*61.3*		*10.0-122*		*05/17/2025 03:45*	WG2516905
(S) 2-Fluorobiphenyl	*52.4*		*15.0-120*		*05/17/2025 03:45*	WG2516905
(S) 2,4,6-Tribromophenol	*57.6*		*10.0-127*		*05/17/2025 03:45*	WG2516905
(S) p-Terphenyl-d14	*55.8*		*10.0-120*		*05/17/2025 03:45*	WG2516905

Sample Narrative:

L1859689-05 WG2516905: Dilution due to matrix impact during extract concentration procedure

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	455000		22800	1	05/18/2025 19:35	WG2516923

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.7		1	05/16/2025 15:53	WG2516921

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11400	1	05/18/2025 18:24	WG2517044

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	455000		114000	5	05/18/2025 19:35	WG2517187

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		22800	1	05/16/2025 22:42	WG2516923

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	8250000		400000	4	05/21/2025 15:25	WG2519132

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	2970000		22800	1	05/16/2025 20:07	WG2516925
Antimony	ND		2280	1	05/16/2025 20:07	WG2516925
Beryllium	349		228	1	05/16/2025 20:07	WG2516925
Calcium	3450000		114000	1	05/16/2025 20:07	WG2516925
Cobalt	2730		1140	1	05/16/2025 20:07	WG2516925
Iron	4920000		11400	1	05/16/2025 20:07	WG2516925
Magnesium	1270000		114000	1	05/16/2025 20:07	WG2516925
Manganese	160000		1140	1	05/16/2025 20:07	WG2516925
Potassium	1340000		114000	1	05/16/2025 20:07	WG2516925
Sodium	ND		114000	1	05/16/2025 20:07	WG2516925
Thallium	ND		2280	1	05/16/2025 20:07	WG2516925
Vanadium	10400		2280	1	05/16/2025 20:07	WG2516925

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	ND	J3	64.0	1	05/16/2025 19:14	WG2516888
Acrylonitrile	ND		16.0	1	05/16/2025 19:14	WG2516888
Bromobenzene	ND		16.0	1	05/16/2025 19:14	WG2516888
Bromodichloromethane	ND		3.20	1	05/16/2025 19:14	WG2516888
Bromoform	ND		32.0	1	05/16/2025 19:14	WG2516888
Bromomethane	ND		16.0	1	05/16/2025 19:14	WG2516888

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
n-Butylbenzene	ND		16.0	1	05/16/2025 19:14	WG2516888
sec-Butylbenzene	ND		16.0	1	05/16/2025 19:14	WG2516888
tert-Butylbenzene	ND		6.40	1	05/16/2025 19:14	WG2516888
Carbon tetrachloride	ND		6.40	1	05/16/2025 19:14	WG2516888
Chlorobenzene	ND		3.20	1	05/16/2025 19:14	WG2516888
Chlorodibromomethane	ND		3.20	1	05/16/2025 19:14	WG2516888
Chloroethane	ND	C3	6.40	1	05/16/2025 19:14	WG2516888
Chloroform	ND		3.20	1	05/16/2025 19:14	WG2516888
Chloromethane	ND	C3	16.0	1	05/16/2025 19:14	WG2516888
2-Chlorotoluene	ND		3.20	1	05/16/2025 19:14	WG2516888
4-Chlorotoluene	ND		6.40	1	05/16/2025 19:14	WG2516888
1,2-Dibromo-3-Chloropropane	ND		32.0	1	05/16/2025 19:14	WG2516888
1,2-Dibromoethane	ND		3.20	1	05/16/2025 19:14	WG2516888
Dibromomethane	ND		6.40	1	05/16/2025 19:14	WG2516888
1,2-Dichlorobenzene	ND		6.40	1	05/16/2025 19:14	WG2516888
1,3-Dichlorobenzene	ND		6.40	1	05/16/2025 19:14	WG2516888
1,4-Dichlorobenzene	ND		6.40	1	05/16/2025 19:14	WG2516888
Dichlorodifluoromethane	ND	C3	6.40	1	05/16/2025 19:14	WG2516888
1,1-Dichloroethane	ND		3.20	1	05/16/2025 19:14	WG2516888
1,2-Dichloroethane	ND		3.20	1	05/16/2025 19:14	WG2516888
1,1-Dichloroethene	ND		3.20	1	05/16/2025 19:14	WG2516888
cis-1,2-Dichloroethene	ND		3.20	1	05/16/2025 19:14	WG2516888
trans-1,2-Dichloroethene	ND		6.40	1	05/16/2025 19:14	WG2516888
1,2-Dichloropropane	ND		6.40	1	05/16/2025 19:14	WG2516888
1,1-Dichloropropene	ND		3.20	1	05/16/2025 19:14	WG2516888
1,3-Dichloropropane	ND		6.40	1	05/16/2025 19:14	WG2516888
cis-1,3-Dichloropropene	ND		3.20	1	05/16/2025 19:14	WG2516888
trans-1,3-Dichloropropene	ND		6.40	1	05/16/2025 19:14	WG2516888
2,2-Dichloropropane	ND		3.20	1	05/16/2025 19:14	WG2516888
Di-isopropyl ether	ND		1.28	1	05/16/2025 19:14	WG2516888
Hexachloro-1,3-butadiene	ND		32.0	1	05/16/2025 19:14	WG2516888
Isopropylbenzene	ND		3.20	1	05/16/2025 19:14	WG2516888
p-Isopropyltoluene	ND		6.40	1	05/16/2025 19:14	WG2516888
2-Butanone (MEK)	ND		128	1	05/16/2025 19:14	WG2516888
Methylene Chloride	ND		32.0	1	05/16/2025 19:14	WG2516888
4-Methyl-2-pentanone (MIBK)	ND		32.0	1	05/16/2025 19:14	WG2516888
Methyl tert-butyl ether	ND		1.28	1	05/16/2025 19:14	WG2516888
n-Propylbenzene	ND		6.40	1	05/16/2025 19:14	WG2516888
Styrene	ND		16.0	1	05/16/2025 19:14	WG2516888
1,1,1,2-Tetrachloroethane	ND		3.20	1	05/16/2025 19:14	WG2516888
1,1,2,2-Tetrachloroethane	ND		3.20	1	05/16/2025 19:14	WG2516888
1,1,2-Trichlorotrifluoroethane	ND		3.20	1	05/16/2025 19:14	WG2516888
Tetrachloroethene	ND		3.20	1	05/16/2025 19:14	WG2516888
1,2,3-Trichlorobenzene	ND	C3 J3 J4	16.0	1	05/16/2025 19:14	WG2516888
1,2,4-Trichlorobenzene	ND	C3	16.0	1	05/16/2025 19:14	WG2516888
1,1,1-Trichloroethane	ND		3.20	1	05/16/2025 19:14	WG2516888
1,1,2-Trichloroethane	ND		3.20	1	05/16/2025 19:14	WG2516888
Trichloroethene	ND		1.28	1	05/16/2025 19:14	WG2516888
Trichlorofluoromethane	ND		3.20	1	05/16/2025 19:14	WG2516888
1,2,3-Trichloropropane	ND		16.0	1	05/16/2025 19:14	WG2516888
1,2,3-Trimethylbenzene	ND		6.40	1	05/16/2025 19:14	WG2516888
Vinyl chloride	ND	C3	3.20	1	05/16/2025 19:14	WG2516888
(S) Toluene-d8	*108*		*75.0-131*		*05/16/2025 19:14*	WG2516888
(S) 4-Bromofluorobenzene	*99.2*		*67.0-138*		*05/16/2025 19:14*	WG2516888
(S) 1,2-Dichloroethane-d4	*102*		*70.0-130*		*05/16/2025 19:14*	WG2516888

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		38.0	1	05/16/2025 21:09	WG2516905
Benzidine	ND		1900	1	05/16/2025 21:09	WG2516905
Benzo(g,h,i)perylene	ND		38.0	1	05/16/2025 21:09	WG2516905
Bis(2-chlorethoxy)methane	ND		380	1	05/16/2025 21:09	WG2516905
Bis(2-chloroethyl)ether	ND		380	1	05/16/2025 21:09	WG2516905
2,2-Oxybis(1-Chloropropane)	ND		380	1	05/16/2025 21:09	WG2516905
4-Bromophenyl-phenylether	ND		380	1	05/16/2025 21:09	WG2516905
2-Chloronaphthalene	ND		38.0	1	05/16/2025 21:09	WG2516905
4-Chlorophenyl-phenylether	ND		380	1	05/16/2025 21:09	WG2516905
1,2-Dichlorobenzene	ND		380	1	05/16/2025 21:09	WG2516905
1,3-Dichlorobenzene	ND		380	1	05/16/2025 21:09	WG2516905
1,4-Dichlorobenzene	ND		380	1	05/16/2025 21:09	WG2516905
3,3-Dichlorobenzidine	ND		380	1	05/16/2025 21:09	WG2516905
2,4-Dinitrotoluene	ND		380	1	05/16/2025 21:09	WG2516905
2,6-Dinitrotoluene	ND		380	1	05/16/2025 21:09	WG2516905
Hexachlorobenzene	ND		380	1	05/16/2025 21:09	WG2516905
Hexachloro-1,3-butadiene	ND		380	1	05/16/2025 21:09	WG2516905
Hexachlorocyclopentadiene	ND	C7	380	1	05/16/2025 21:09	WG2516905
Hexachloroethane	ND		380	1	05/16/2025 21:09	WG2516905
Isophorone	ND		380	1	05/16/2025 21:09	WG2516905
Nitrobenzene	ND		380	1	05/16/2025 21:09	WG2516905
n-Nitrosodimethylamine	ND		380	1	05/16/2025 21:09	WG2516905
n-Nitrosodiphenylamine	ND		380	1	05/16/2025 21:09	WG2516905
n-Nitrosodi-n-propylamine	ND		380	1	05/16/2025 21:09	WG2516905
Phenanthrene	ND		38.0	1	05/16/2025 21:09	WG2516905
Benzylbutyl phthalate	ND		380	1	05/16/2025 21:09	WG2516905
Bis(2-ethylhexyl)phthalate	ND		380	1	05/16/2025 21:09	WG2516905
Di-n-butyl phthalate	ND		380	1	05/16/2025 21:09	WG2516905
Diethyl phthalate	ND		380	1	05/16/2025 21:09	WG2516905
Dimethyl phthalate	ND		380	1	05/16/2025 21:09	WG2516905
Di-n-octyl phthalate	ND		380	1	05/16/2025 21:09	WG2516905
1,2,4-Trichlorobenzene	ND		380	1	05/16/2025 21:09	WG2516905
4-Chloro-3-methylphenol	ND		380	1	05/16/2025 21:09	WG2516905
2-Chlorophenol	ND		380	1	05/16/2025 21:09	WG2516905
2,4-Dichlorophenol	ND		380	1	05/16/2025 21:09	WG2516905
2,4-Dimethylphenol	ND		380	1	05/16/2025 21:09	WG2516905
4,6-Dinitro-2-methylphenol	ND		380	1	05/16/2025 21:09	WG2516905
2,4-Dinitrophenol	ND	C3	380	1	05/16/2025 21:09	WG2516905
2-Nitrophenol	ND		380	1	05/16/2025 21:09	WG2516905
4-Nitrophenol	ND		380	1	05/16/2025 21:09	WG2516905
Pentachlorophenol	ND	C3	380	1	05/16/2025 21:09	WG2516905
Phenol	ND		380	1	05/16/2025 21:09	WG2516905
2,4,6-Trichlorophenol	ND		380	1	05/16/2025 21:09	WG2516905
(S) 2-Fluorophenol	*67.4*		*12.0-120*		*05/16/2025 21:09*	WG2516905
(S) Phenol-d5	*65.7*		*10.0-120*		*05/16/2025 21:09*	WG2516905
(S) Nitrobenzene-d5	*60.7*		*10.0-122*		*05/16/2025 21:09*	WG2516905
(S) 2-Fluorobiphenyl	*51.4*		*15.0-120*		*05/16/2025 21:09*	WG2516905
(S) 2,4,6-Tribromophenol	*52.8*		*10.0-127*		*05/16/2025 21:09*	WG2516905
(S) p-Terphenyl-d14	*54.2*		*10.0-120*		*05/16/2025 21:09*	WG2516905

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	531000		22500	1	05/18/2025 19:36	WG2516923

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.6		1	05/16/2025 15:53	WG2516921

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11000	1	05/18/2025 18:26	WG2517044

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	529000		110000	5	05/18/2025 19:36	WG2517187

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		22500	1.02	05/16/2025 22:59	WG2516923

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	9170000		500000	5	05/17/2025 16:12	WG2516896

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	1510000		22100	1	05/16/2025 20:10	WG2516925
Antimony	ND		2210	1	05/16/2025 20:10	WG2516925
Beryllium	ND		221	1	05/16/2025 20:10	WG2516925
Calcium	3520000		110000	1	05/16/2025 20:10	WG2516925
Cobalt	1500		1100	1	05/16/2025 20:10	WG2516925
Iron	2240000		11000	1	05/16/2025 20:10	WG2516925
Magnesium	833000		110000	1	05/16/2025 20:10	WG2516925
Manganese	103000		1100	1	05/16/2025 20:10	WG2516925
Potassium	982000		110000	1	05/16/2025 20:10	WG2516925
Sodium	ND		110000	1	05/16/2025 20:10	WG2516925
Thallium	ND		2210	1	05/16/2025 20:10	WG2516925
Vanadium	5520		2210	1	05/16/2025 20:10	WG2516925

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	ND	J3	60.4	1	05/16/2025 19:34	WG2516888
Acrylonitrile	ND		15.1	1	05/16/2025 19:34	WG2516888
Bromobenzene	ND		15.1	1	05/16/2025 19:34	WG2516888
Bromodichloromethane	ND		3.02	1	05/16/2025 19:34	WG2516888
Bromoform	ND		30.2	1	05/16/2025 19:34	WG2516888
Bromomethane	ND		15.1	1	05/16/2025 19:34	WG2516888

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
n-Butylbenzene	ND		15.1	1	05/16/2025 19:34	WG2516888
sec-Butylbenzene	ND		15.1	1	05/16/2025 19:34	WG2516888
tert-Butylbenzene	ND		6.04	1	05/16/2025 19:34	WG2516888
Carbon tetrachloride	ND		6.04	1	05/16/2025 19:34	WG2516888
Chlorobenzene	ND		3.02	1	05/16/2025 19:34	WG2516888
Chlorodibromomethane	ND		3.02	1	05/16/2025 19:34	WG2516888
Chloroethane	ND	C3	6.04	1	05/16/2025 19:34	WG2516888
Chloroform	ND		3.02	1	05/16/2025 19:34	WG2516888
Chloromethane	ND	C3	15.1	1	05/16/2025 19:34	WG2516888
2-Chlorotoluene	ND		3.02	1	05/16/2025 19:34	WG2516888
4-Chlorotoluene	ND		6.04	1	05/16/2025 19:34	WG2516888
1,2-Dibromo-3-Chloropropane	ND		30.2	1	05/16/2025 19:34	WG2516888
1,2-Dibromoethane	ND		3.02	1	05/16/2025 19:34	WG2516888
Dibromomethane	ND		6.04	1	05/16/2025 19:34	WG2516888
1,2-Dichlorobenzene	ND		6.04	1	05/16/2025 19:34	WG2516888
1,3-Dichlorobenzene	ND		6.04	1	05/16/2025 19:34	WG2516888
1,4-Dichlorobenzene	ND		6.04	1	05/16/2025 19:34	WG2516888
Dichlorodifluoromethane	ND	C3	6.04	1	05/16/2025 19:34	WG2516888
1,1-Dichloroethane	ND		3.02	1	05/16/2025 19:34	WG2516888
1,2-Dichloroethane	ND		3.02	1	05/16/2025 19:34	WG2516888
1,1-Dichloroethene	ND		3.02	1	05/16/2025 19:34	WG2516888
cis-1,2-Dichloroethene	ND		3.02	1	05/16/2025 19:34	WG2516888
trans-1,2-Dichloroethene	ND		6.04	1	05/16/2025 19:34	WG2516888
1,2-Dichloropropane	ND		6.04	1	05/16/2025 19:34	WG2516888
1,1-Dichloropropene	ND		3.02	1	05/16/2025 19:34	WG2516888
1,3-Dichloropropane	ND		6.04	1	05/16/2025 19:34	WG2516888
cis-1,3-Dichloropropene	ND		3.02	1	05/16/2025 19:34	WG2516888
trans-1,3-Dichloropropene	ND		6.04	1	05/16/2025 19:34	WG2516888
2,2-Dichloropropane	ND		3.02	1	05/16/2025 19:34	WG2516888
Di-isopropyl ether	ND		1.21	1	05/16/2025 19:34	WG2516888
Hexachloro-1,3-butadiene	ND		30.2	1	05/16/2025 19:34	WG2516888
Isopropylbenzene	ND		3.02	1	05/16/2025 19:34	WG2516888
p-Isopropyltoluene	ND		6.04	1	05/16/2025 19:34	WG2516888
2-Butanone (MEK)	ND		121	1	05/16/2025 19:34	WG2516888
Methylene Chloride	ND		30.2	1	05/16/2025 19:34	WG2516888
4-Methyl-2-pentanone (MIBK)	ND		30.2	1	05/16/2025 19:34	WG2516888
Methyl tert-butyl ether	ND		1.21	1	05/16/2025 19:34	WG2516888
n-Propylbenzene	ND		6.04	1	05/16/2025 19:34	WG2516888
Styrene	ND		15.1	1	05/16/2025 19:34	WG2516888
1,1,1,2-Tetrachloroethane	ND		3.02	1	05/16/2025 19:34	WG2516888
1,1,2,2-Tetrachloroethane	ND		3.02	1	05/16/2025 19:34	WG2516888
1,1,2-Trichlorotrifluoroethane	ND		3.02	1	05/16/2025 19:34	WG2516888
Tetrachloroethene	ND		3.02	1	05/16/2025 19:34	WG2516888
1,2,3-Trichlorobenzene	ND	C3 J3 J4	15.1	1	05/16/2025 19:34	WG2516888
1,2,4-Trichlorobenzene	ND	C3	15.1	1	05/16/2025 19:34	WG2516888
1,1,1-Trichloroethane	ND		3.02	1	05/16/2025 19:34	WG2516888
1,1,2-Trichloroethane	ND		3.02	1	05/16/2025 19:34	WG2516888
Trichloroethene	ND		1.21	1	05/16/2025 19:34	WG2516888
Trichlorofluoromethane	ND		3.02	1	05/16/2025 19:34	WG2516888
1,2,3-Trichloropropane	ND		15.1	1	05/16/2025 19:34	WG2516888
1,2,3-Trimethylbenzene	ND		6.04	1	05/16/2025 19:34	WG2516888
Vinyl chloride	ND	C3	3.02	1	05/16/2025 19:34	WG2516888
(S) Toluene-d8	*107*		*75.0-131*		*05/16/2025 19:34*	WG2516888
(S) 4-Bromofluorobenzene	*92.4*		*67.0-138*		*05/16/2025 19:34*	WG2516888
(S) 1,2-Dichloroethane-d4	*102*		*70.0-130*		*05/16/2025 19:34*	WG2516888

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		73.5	2	05/16/2025 22:54	WG2516905
Benzidine	ND		3690	2	05/16/2025 22:54	WG2516905
Benzo(g,h,i)perylene	ND		73.5	2	05/16/2025 22:54	WG2516905
Bis(2-chlorethoxy)methane	ND		735	2	05/16/2025 22:54	WG2516905
Bis(2-chloroethyl)ether	ND		735	2	05/16/2025 22:54	WG2516905
2,2-Oxybis(1-Chloropropane)	ND		735	2	05/16/2025 22:54	WG2516905
4-Bromophenyl-phenylether	ND		735	2	05/16/2025 22:54	WG2516905
2-Chloronaphthalene	ND		73.5	2	05/16/2025 22:54	WG2516905
4-Chlorophenyl-phenylether	ND		735	2	05/16/2025 22:54	WG2516905
1,2-Dichlorobenzene	ND		735	2	05/16/2025 22:54	WG2516905
1,3-Dichlorobenzene	ND		735	2	05/16/2025 22:54	WG2516905
1,4-Dichlorobenzene	ND		735	2	05/16/2025 22:54	WG2516905
3,3-Dichlorobenzidine	ND		735	2	05/16/2025 22:54	WG2516905
2,4-Dinitrotoluene	ND		735	2	05/16/2025 22:54	WG2516905
2,6-Dinitrotoluene	ND		735	2	05/16/2025 22:54	WG2516905
Hexachlorobenzene	ND		735	2	05/16/2025 22:54	WG2516905
Hexachloro-1,3-butadiene	ND		735	2	05/16/2025 22:54	WG2516905
Hexachlorocyclopentadiene	ND	C7	735	2	05/16/2025 22:54	WG2516905
Hexachloroethane	ND		735	2	05/16/2025 22:54	WG2516905
Isophorone	ND		735	2	05/16/2025 22:54	WG2516905
Nitrobenzene	ND		735	2	05/16/2025 22:54	WG2516905
n-Nitrosodimethylamine	ND		735	2	05/16/2025 22:54	WG2516905
n-Nitrosodiphenylamine	ND		735	2	05/16/2025 22:54	WG2516905
n-Nitrosodi-n-propylamine	ND		735	2	05/16/2025 22:54	WG2516905
Phenanthrene	ND		73.5	2	05/16/2025 22:54	WG2516905
Benzylbutyl phthalate	ND		735	2	05/16/2025 22:54	WG2516905
Bis(2-ethylhexyl)phthalate	ND		735	2	05/16/2025 22:54	WG2516905
Di-n-butyl phthalate	ND		735	2	05/16/2025 22:54	WG2516905
Diethyl phthalate	ND		735	2	05/16/2025 22:54	WG2516905
Dimethyl phthalate	ND		735	2	05/16/2025 22:54	WG2516905
Di-n-octyl phthalate	ND		735	2	05/16/2025 22:54	WG2516905
1,2,4-Trichlorobenzene	ND		735	2	05/16/2025 22:54	WG2516905
4-Chloro-3-methylphenol	ND		735	2	05/16/2025 22:54	WG2516905
2-Chlorophenol	ND		735	2	05/16/2025 22:54	WG2516905
2,4-Dichlorophenol	ND		735	2	05/16/2025 22:54	WG2516905
2,4-Dimethylphenol	ND		735	2	05/16/2025 22:54	WG2516905
4,6-Dinitro-2-methylphenol	ND		735	2	05/16/2025 22:54	WG2516905
2,4-Dinitrophenol	ND	C3	735	2	05/16/2025 22:54	WG2516905
2-Nitrophenol	ND		735	2	05/16/2025 22:54	WG2516905
4-Nitrophenol	ND		735	2	05/16/2025 22:54	WG2516905
Pentachlorophenol	ND	C3	735	2	05/16/2025 22:54	WG2516905
Phenol	ND		735	2	05/16/2025 22:54	WG2516905
2,4,6-Trichlorophenol	ND		735	2	05/16/2025 22:54	WG2516905
(S) 2-Fluorophenol	*68.6*		*12.0-120*		*05/16/2025 22:54*	WG2516905
(S) Phenol-d5	*66.9*		*10.0-120*		*05/16/2025 22:54*	WG2516905
(S) Nitrobenzene-d5	*62.5*		*10.0-122*		*05/16/2025 22:54*	WG2516905
(S) 2-Fluorobiphenyl	*53.9*		*15.0-120*		*05/16/2025 22:54*	WG2516905
(S) 2,4,6-Tribromophenol	*56.5*		*10.0-127*		*05/16/2025 22:54*	WG2516905
(S) p-Terphenyl-d14	*61.3*		*10.0-120*		*05/16/2025 22:54*	WG2516905

Sample Narrative:

L1859689-07 WG2516905: Dilution due to matrix impact during extract concentration procedure

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	05/16/2025 16:23	WG2516340
Acrolein	ND	C3 J3 J4	50.0	1	05/16/2025 16:23	WG2516340
Acrylonitrile	ND		10.0	1	05/16/2025 16:23	WG2516340
Benzene	ND		1.00	1	05/16/2025 16:23	WG2516340
Bromobenzene	ND	J4	1.00	1	05/16/2025 16:23	WG2516340
Bromodichloromethane	ND		1.00	1	05/16/2025 16:23	WG2516340
Bromoform	ND		1.00	1	05/16/2025 16:23	WG2516340
Bromomethane	ND		5.00	1	05/16/2025 16:23	WG2516340
n-Butylbenzene	ND		1.00	1	05/16/2025 16:23	WG2516340
sec-Butylbenzene	ND		1.00	1	05/16/2025 16:23	WG2516340
tert-Butylbenzene	ND	J3	1.00	1	05/16/2025 16:23	WG2516340
Carbon tetrachloride	ND		1.00	1	05/16/2025 16:23	WG2516340
Chlorobenzene	ND		1.00	1	05/16/2025 16:23	WG2516340
Chlorodibromomethane	ND		1.00	1	05/16/2025 16:23	WG2516340
Chloroethane	ND	J3	5.00	1	05/16/2025 16:23	WG2516340
Chloroform	ND		5.00	1	05/16/2025 16:23	WG2516340
Chloromethane	ND		2.50	1	05/16/2025 16:23	WG2516340
2-Chlorotoluene	ND		1.00	1	05/16/2025 16:23	WG2516340
4-Chlorotoluene	ND		1.00	1	05/16/2025 16:23	WG2516340
1,2-Dibromo-3-Chloropropane	ND		5.00	1	05/16/2025 16:23	WG2516340
1,2-Dibromoethane	ND		1.00	1	05/16/2025 16:23	WG2516340
Dibromomethane	ND		1.00	1	05/16/2025 16:23	WG2516340
1,2-Dichlorobenzene	ND		1.00	1	05/16/2025 16:23	WG2516340
1,3-Dichlorobenzene	ND		1.00	1	05/16/2025 16:23	WG2516340
1,4-Dichlorobenzene	ND		1.00	1	05/16/2025 16:23	WG2516340
Dichlorodifluoromethane	ND		5.00	1	05/16/2025 16:23	WG2516340
1,1-Dichloroethane	ND		1.00	1	05/16/2025 16:23	WG2516340
1,2-Dichloroethane	ND		1.00	1	05/16/2025 16:23	WG2516340
1,1-Dichloroethene	ND		1.00	1	05/16/2025 16:23	WG2516340
cis-1,2-Dichloroethene	ND		1.00	1	05/16/2025 16:23	WG2516340
trans-1,2-Dichloroethene	ND		1.00	1	05/16/2025 16:23	WG2516340
1,2-Dichloropropane	ND		1.00	1	05/16/2025 16:23	WG2516340
1,1-Dichloropropene	ND		1.00	1	05/16/2025 16:23	WG2516340
1,3-Dichloropropane	ND	J4	1.00	1	05/16/2025 16:23	WG2516340
cis-1,3-Dichloropropene	ND		1.00	1	05/16/2025 16:23	WG2516340
trans-1,3-Dichloropropene	ND		1.00	1	05/16/2025 16:23	WG2516340
2,2-Dichloropropane	ND	J3	1.00	1	05/16/2025 16:23	WG2516340
Di-isopropyl ether	ND		1.00	1	05/16/2025 16:23	WG2516340
Ethylbenzene	ND	J3	1.00	1	05/16/2025 16:23	WG2516340
Hexachloro-1,3-butadiene	ND		1.00	1	05/16/2025 16:23	WG2516340
Isopropylbenzene	ND	J3	1.00	1	05/16/2025 16:23	WG2516340
p-Isopropyltoluene	ND		1.00	1	05/16/2025 16:23	WG2516340
2-Butanone (MEK)	ND		10.0	1	05/16/2025 16:23	WG2516340
Methylene Chloride	ND		5.00	1	05/16/2025 16:23	WG2516340
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	05/16/2025 16:23	WG2516340
Methyl tert-butyl ether	ND		1.00	1	05/16/2025 16:23	WG2516340
Naphthalene	ND	C3	5.00	1	05/16/2025 16:23	WG2516340
n-Propylbenzene	ND		1.00	1	05/16/2025 16:23	WG2516340
Styrene	ND	J3	1.00	1	05/16/2025 16:23	WG2516340
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/16/2025 16:23	WG2516340
1,1,2,2-Tetrachloroethane	ND		1.00	1	05/16/2025 16:23	WG2516340
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	05/16/2025 16:23	WG2516340
Tetrachloroethene	ND	J3	1.00	1	05/16/2025 16:23	WG2516340
Toluene	ND	J3	1.00	1	05/16/2025 16:23	WG2516340
1,2,3-Trichlorobenzene	ND	C3	1.00	1	05/16/2025 16:23	WG2516340
1,2,4-Trichlorobenzene	ND	C3	1.00	1	05/16/2025 16:23	WG2516340

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		1.00	1	05/16/2025 16:23	WG2516340
1,1,2-Trichloroethane	ND		1.00	1	05/16/2025 16:23	WG2516340
Trichloroethene	ND	J3	1.00	1	05/16/2025 16:23	WG2516340
Trichlorofluoromethane	ND		5.00	1	05/16/2025 16:23	WG2516340
1,2,3-Trichloropropane	ND		2.50	1	05/16/2025 16:23	WG2516340
1,2,4-Trimethylbenzene	ND		1.00	1	05/16/2025 16:23	WG2516340
1,2,3-Trimethylbenzene	ND	J3	1.00	1	05/16/2025 16:23	WG2516340
1,3,5-Trimethylbenzene	ND		1.00	1	05/16/2025 16:23	WG2516340
Vinyl chloride	ND		1.00	1	05/16/2025 16:23	WG2516340
Xylenes, Total	ND		3.00	1	05/16/2025 16:23	WG2516340
(S) Toluene-d8	*103*		*80.0-120*		*05/16/2025 16:23*	WG2516340
(S) 4-Bromofluorobenzene	*96.9*		*77.0-126*		*05/16/2025 16:23*	WG2516340
(S) 1,2-Dichloroethane-d4	*109*		*70.0-130*		*05/16/2025 16:23*	WG2516340

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1970000		23100	1	05/18/2025 19:40	WG2516923

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.6		1	05/16/2025 15:53	WG2516921

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11400	1	05/18/2025 22:59	WG2517191

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1960000		114000	5	05/18/2025 19:40	WG2517187

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		23100	1.01	05/16/2025 23:15	WG2516923

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	28100000		500000	5	05/17/2025 16:14	WG2516896

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	2860000		22800	1	05/16/2025 20:12	WG2516925
Antimony	ND		2280	1	05/16/2025 20:12	WG2516925
Beryllium	322		228	1	05/16/2025 20:12	WG2516925
Calcium	16900000		114000	1	05/16/2025 20:12	WG2516925
Cobalt	2840		1140	1	05/16/2025 20:12	WG2516925
Iron	4560000		11400	1	05/16/2025 20:12	WG2516925
Magnesium	2190000		114000	1	05/16/2025 20:12	WG2516925
Manganese	164000		1140	1	05/16/2025 20:12	WG2516925
Potassium	1770000		114000	1	05/16/2025 20:12	WG2516925
Sodium	161000		114000	1	05/16/2025 20:12	WG2516925
Thallium	ND		2280	1	05/16/2025 20:12	WG2516925
Vanadium	10000		2280	1	05/16/2025 20:12	WG2516925

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	ND		64.2	1	05/16/2025 15:54	WG2516912
Acrylonitrile	ND	J3	16.1	1	05/16/2025 15:54	WG2516912
Bromobenzene	ND		16.1	1	05/16/2025 15:54	WG2516912
Bromodichloromethane	ND		3.21	1	05/16/2025 15:54	WG2516912
Bromoform	ND		32.1	1	05/16/2025 15:54	WG2516912
Bromomethane	ND	C3	16.1	1	05/16/2025 15:54	WG2516912

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
n-Butylbenzene	ND		16.1	1	05/16/2025 15:54	WG2516912
sec-Butylbenzene	ND		16.1	1	05/16/2025 15:54	WG2516912
tert-Butylbenzene	ND		6.42	1	05/16/2025 15:54	WG2516912
Carbon tetrachloride	ND		6.42	1	05/16/2025 15:54	WG2516912
Chlorobenzene	ND		3.21	1	05/16/2025 15:54	WG2516912
Chlorodibromomethane	ND		3.21	1	05/16/2025 15:54	WG2516912
Chloroethane	ND		6.42	1	05/16/2025 15:54	WG2516912
Chloroform	ND		3.21	1	05/16/2025 15:54	WG2516912
Chloromethane	ND		16.1	1	05/16/2025 15:54	WG2516912
2-Chlorotoluene	ND		3.21	1	05/16/2025 15:54	WG2516912
4-Chlorotoluene	ND		6.42	1	05/16/2025 15:54	WG2516912
1,2-Dibromo-3-Chloropropane	ND	J3	32.1	1	05/16/2025 15:54	WG2516912
1,2-Dibromoethane	ND		3.21	1	05/16/2025 15:54	WG2516912
Dibromomethane	ND		6.42	1	05/16/2025 15:54	WG2516912
1,2-Dichlorobenzene	ND		6.42	1	05/16/2025 15:54	WG2516912
1,3-Dichlorobenzene	ND		6.42	1	05/16/2025 15:54	WG2516912
1,4-Dichlorobenzene	ND		6.42	1	05/16/2025 15:54	WG2516912
Dichlorodifluoromethane	ND		6.42	1	05/16/2025 15:54	WG2516912
1,1-Dichloroethane	ND		3.21	1	05/16/2025 15:54	WG2516912
1,2-Dichloroethane	ND		3.21	1	05/16/2025 15:54	WG2516912
1,1-Dichloroethene	ND		3.21	1	05/16/2025 15:54	WG2516912
cis-1,2-Dichloroethene	ND		3.21	1	05/16/2025 15:54	WG2516912
trans-1,2-Dichloroethene	ND		6.42	1	05/16/2025 15:54	WG2516912
1,2-Dichloropropane	ND		6.42	1	05/16/2025 15:54	WG2516912
1,1-Dichloropropene	ND		3.21	1	05/16/2025 15:54	WG2516912
1,3-Dichloropropane	ND		6.42	1	05/16/2025 15:54	WG2516912
cis-1,3-Dichloropropene	ND		3.21	1	05/16/2025 15:54	WG2516912
trans-1,3-Dichloropropene	ND		6.42	1	05/16/2025 15:54	WG2516912
2,2-Dichloropropane	ND		3.21	1	05/16/2025 15:54	WG2516912
Di-isopropyl ether	ND		1.28	1	05/16/2025 15:54	WG2516912
Hexachloro-1,3-butadiene	ND		32.1	1	05/16/2025 15:54	WG2516912
Isopropylbenzene	ND		3.21	1	05/16/2025 15:54	WG2516912
p-Isopropyltoluene	ND		6.42	1	05/16/2025 15:54	WG2516912
2-Butanone (MEK)	ND	J3	128	1	05/16/2025 15:54	WG2516912
Methylene Chloride	ND		32.1	1	05/16/2025 15:54	WG2516912
4-Methyl-2-pentanone (MIBK)	ND		32.1	1	05/16/2025 15:54	WG2516912
Methyl tert-butyl ether	ND		1.28	1	05/16/2025 15:54	WG2516912
n-Propylbenzene	ND		6.42	1	05/16/2025 15:54	WG2516912
Styrene	ND		16.1	1	05/16/2025 15:54	WG2516912
1,1,1,2-Tetrachloroethane	ND		3.21	1	05/16/2025 15:54	WG2516912
1,1,2,2-Tetrachloroethane	ND		3.21	1	05/16/2025 15:54	WG2516912
1,1,2-Trichlorotrifluoroethane	ND		3.21	1	05/16/2025 15:54	WG2516912
Tetrachloroethene	ND		3.21	1	05/16/2025 15:54	WG2516912
1,2,3-Trichlorobenzene	ND		16.1	1	05/16/2025 15:54	WG2516912
1,2,4-Trichlorobenzene	ND		16.1	1	05/16/2025 15:54	WG2516912
1,1,1-Trichloroethane	ND		3.21	1	05/16/2025 15:54	WG2516912
1,1,2-Trichloroethane	ND		3.21	1	05/16/2025 15:54	WG2516912
Trichloroethene	ND		1.28	1	05/16/2025 15:54	WG2516912
Trichlorofluoromethane	ND		3.21	1	05/16/2025 15:54	WG2516912
1,2,3-Trichloropropane	ND		16.1	1	05/16/2025 15:54	WG2516912
1,2,3-Trimethylbenzene	ND		6.42	1	05/16/2025 15:54	WG2516912
Vinyl chloride	ND		3.21	1	05/16/2025 15:54	WG2516912
(S) Toluene-d8	*101*		*75.0-131*		*05/16/2025 15:54*	WG2516912
(S) 4-Bromofluorobenzene	*100*		*67.0-138*		*05/16/2025 15:54*	WG2516912
(S) 1,2-Dichloroethane-d4	*97.6*		*70.0-130*		*05/16/2025 15:54*	WG2516912

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		76.0	2	05/17/2025 02:43	WG2516905
Benzidine	ND		3810	2	05/17/2025 02:43	WG2516905
Benzo(g,h,i)perylene	ND		76.0	2	05/17/2025 02:43	WG2516905
Bis(2-chlorethoxy)methane	ND		760	2	05/17/2025 02:43	WG2516905
Bis(2-chloroethyl)ether	ND		760	2	05/17/2025 02:43	WG2516905
2,2-Oxybis(1-Chloropropane)	ND		760	2	05/17/2025 02:43	WG2516905
4-Bromophenyl-phenylether	ND		760	2	05/17/2025 02:43	WG2516905
2-Chloronaphthalene	ND		76.0	2	05/17/2025 02:43	WG2516905
4-Chlorophenyl-phenylether	ND		760	2	05/17/2025 02:43	WG2516905
1,2-Dichlorobenzene	ND		760	2	05/17/2025 02:43	WG2516905
1,3-Dichlorobenzene	ND		760	2	05/17/2025 02:43	WG2516905
1,4-Dichlorobenzene	ND		760	2	05/17/2025 02:43	WG2516905
3,3-Dichlorobenzidine	ND		760	2	05/17/2025 02:43	WG2516905
2,4-Dinitrotoluene	ND		760	2	05/17/2025 02:43	WG2516905
2,6-Dinitrotoluene	ND		760	2	05/17/2025 02:43	WG2516905
Hexachlorobenzene	ND		760	2	05/17/2025 02:43	WG2516905
Hexachloro-1,3-butadiene	ND		760	2	05/17/2025 02:43	WG2516905
Hexachlorocyclopentadiene	ND	C7	760	2	05/17/2025 02:43	WG2516905
Hexachloroethane	ND		760	2	05/17/2025 02:43	WG2516905
Isophorone	ND		760	2	05/17/2025 02:43	WG2516905
Nitrobenzene	ND		760	2	05/17/2025 02:43	WG2516905
n-Nitrosodimethylamine	ND		760	2	05/17/2025 02:43	WG2516905
n-Nitrosodiphenylamine	ND		760	2	05/17/2025 02:43	WG2516905
n-Nitrosodi-n-propylamine	ND		760	2	05/17/2025 02:43	WG2516905
Phenanthrene	ND		76.0	2	05/17/2025 02:43	WG2516905
Benzylbutyl phthalate	ND		760	2	05/17/2025 02:43	WG2516905
Bis(2-ethylhexyl)phthalate	ND		760	2	05/17/2025 02:43	WG2516905
Di-n-butyl phthalate	ND		760	2	05/17/2025 02:43	WG2516905
Diethyl phthalate	ND		760	2	05/17/2025 02:43	WG2516905
Dimethyl phthalate	ND		760	2	05/17/2025 02:43	WG2516905
Di-n-octyl phthalate	ND		760	2	05/17/2025 02:43	WG2516905
1,2,4-Trichlorobenzene	ND		760	2	05/17/2025 02:43	WG2516905
4-Chloro-3-methylphenol	ND		760	2	05/17/2025 02:43	WG2516905
2-Chlorophenol	ND		760	2	05/17/2025 02:43	WG2516905
2,4-Dichlorophenol	ND		760	2	05/17/2025 02:43	WG2516905
2,4-Dimethylphenol	ND		760	2	05/17/2025 02:43	WG2516905
4,6-Dinitro-2-methylphenol	ND		760	2	05/17/2025 02:43	WG2516905
2,4-Dinitrophenol	ND	C3	760	2	05/17/2025 02:43	WG2516905
2-Nitrophenol	ND		760	2	05/17/2025 02:43	WG2516905
4-Nitrophenol	ND		760	2	05/17/2025 02:43	WG2516905
Pentachlorophenol	ND	C3	760	2	05/17/2025 02:43	WG2516905
Phenol	ND		760	2	05/17/2025 02:43	WG2516905
2,4,6-Trichlorophenol	ND		760	2	05/17/2025 02:43	WG2516905
(S) 2-Fluorophenol	*69.7*		*12.0-120*		*05/17/2025 02:43*	WG2516905
(S) Phenol-d5	*70.0*		*10.0-120*		*05/17/2025 02:43*	WG2516905
(S) Nitrobenzene-d5	*65.8*		*10.0-122*		*05/17/2025 02:43*	WG2516905
(S) 2-Fluorobiphenyl	*55.9*		*15.0-120*		*05/17/2025 02:43*	WG2516905
(S) 2,4,6-Tribromophenol	*60.8*		*10.0-127*		*05/17/2025 02:43*	WG2516905
(S) p-Terphenyl-d14	*60.2*		*10.0-120*		*05/17/2025 02:43*	WG2516905

Sample Narrative:

L1859689-09 WG2516905: Dilution due to matrix impact during extract concentration procedure

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	919000		24300	1	05/18/2025 19:41	WG2516923

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.0		1	05/16/2025 15:53	WG2516921

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11900	1	05/18/2025 23:08	WG2517191

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	911000		119000	5	05/18/2025 19:41	WG2517187

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		24300	1.02	05/16/2025 23:31	WG2516923

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	22100000		500000	5	05/17/2025 16:14	WG2516896

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	3840000		23800	1	05/16/2025 20:20	WG2516925
Antimony	ND		2380	1	05/16/2025 20:20	WG2516925
Beryllium	437		238	1	05/16/2025 20:20	WG2516925
Calcium	19000000		119000	1	05/16/2025 20:20	WG2516925
Cobalt	3620		1190	1	05/16/2025 20:20	WG2516925
Iron	6420000		11900	1	05/16/2025 20:20	WG2516925
Magnesium	2630000		119000	1	05/16/2025 20:20	WG2516925
Manganese	225000		1190	1	05/16/2025 20:20	WG2516925
Potassium	2360000		119000	1	05/16/2025 20:20	WG2516925
Sodium	ND		119000	1	05/16/2025 20:20	WG2516925
Thallium	ND		2380	1	05/16/2025 20:20	WG2516925
Vanadium	13500		2380	1	05/16/2025 20:20	WG2516925

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	ND		69.0	1	05/16/2025 16:13	WG2516912
Acrylonitrile	ND	J3	17.3	1	05/16/2025 16:13	WG2516912
Bromobenzene	ND		17.3	1	05/16/2025 16:13	WG2516912
Bromodichloromethane	ND		3.45	1	05/16/2025 16:13	WG2516912
Bromoform	ND		34.5	1	05/16/2025 16:13	WG2516912
Bromomethane	ND	C3	17.3	1	05/16/2025 16:13	WG2516912

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
n-Butylbenzene	ND		17.3	1	05/16/2025 16:13	WG2516912
sec-Butylbenzene	ND		17.3	1	05/16/2025 16:13	WG2516912
tert-Butylbenzene	ND		6.90	1	05/16/2025 16:13	WG2516912
Carbon tetrachloride	ND		6.90	1	05/16/2025 16:13	WG2516912
Chlorobenzene	ND		3.45	1	05/16/2025 16:13	WG2516912
Chlorodibromomethane	ND		3.45	1	05/16/2025 16:13	WG2516912
Chloroethane	ND		6.90	1	05/16/2025 16:13	WG2516912
Chloroform	ND		3.45	1	05/16/2025 16:13	WG2516912
Chloromethane	ND		17.3	1	05/16/2025 16:13	WG2516912
2-Chlorotoluene	ND		3.45	1	05/16/2025 16:13	WG2516912
4-Chlorotoluene	ND		6.90	1	05/16/2025 16:13	WG2516912
1,2-Dibromo-3-Chloropropane	ND	J3	34.5	1	05/16/2025 16:13	WG2516912
1,2-Dibromoethane	ND		3.45	1	05/16/2025 16:13	WG2516912
Dibromomethane	ND		6.90	1	05/16/2025 16:13	WG2516912
1,2-Dichlorobenzene	ND		6.90	1	05/16/2025 16:13	WG2516912
1,3-Dichlorobenzene	ND		6.90	1	05/16/2025 16:13	WG2516912
1,4-Dichlorobenzene	ND		6.90	1	05/16/2025 16:13	WG2516912
Dichlorodifluoromethane	ND		6.90	1	05/16/2025 16:13	WG2516912
1,1-Dichloroethane	ND		3.45	1	05/16/2025 16:13	WG2516912
1,2-Dichloroethane	ND		3.45	1	05/16/2025 16:13	WG2516912
1,1-Dichloroethene	ND		3.45	1	05/16/2025 16:13	WG2516912
cis-1,2-Dichloroethene	ND		3.45	1	05/16/2025 16:13	WG2516912
trans-1,2-Dichloroethene	ND		6.90	1	05/16/2025 16:13	WG2516912
1,2-Dichloropropane	ND		6.90	1	05/16/2025 16:13	WG2516912
1,1-Dichloropropene	ND		3.45	1	05/16/2025 16:13	WG2516912
1,3-Dichloropropane	ND		6.90	1	05/16/2025 16:13	WG2516912
cis-1,3-Dichloropropene	ND		3.45	1	05/16/2025 16:13	WG2516912
trans-1,3-Dichloropropene	ND		6.90	1	05/16/2025 16:13	WG2516912
2,2-Dichloropropane	ND		3.45	1	05/16/2025 16:13	WG2516912
Di-isopropyl ether	ND		1.38	1	05/16/2025 16:13	WG2516912
Hexachloro-1,3-butadiene	ND		34.5	1	05/16/2025 16:13	WG2516912
Isopropylbenzene	ND		3.45	1	05/16/2025 16:13	WG2516912
p-Isopropyltoluene	ND		6.90	1	05/16/2025 16:13	WG2516912
2-Butanone (MEK)	ND	J3	138	1	05/16/2025 16:13	WG2516912
Methylene Chloride	ND		34.5	1	05/16/2025 16:13	WG2516912
4-Methyl-2-pentanone (MIBK)	ND		34.5	1	05/16/2025 16:13	WG2516912
Methyl tert-butyl ether	ND		1.38	1	05/16/2025 16:13	WG2516912
n-Propylbenzene	ND		6.90	1	05/16/2025 16:13	WG2516912
Styrene	ND		17.3	1	05/16/2025 16:13	WG2516912
1,1,1,2-Tetrachloroethane	ND		3.45	1	05/16/2025 16:13	WG2516912
1,1,2,2-Tetrachloroethane	ND		3.45	1	05/16/2025 16:13	WG2516912
1,1,2-Trichlorotrifluoroethane	ND		3.45	1	05/16/2025 16:13	WG2516912
Tetrachloroethene	ND		3.45	1	05/16/2025 16:13	WG2516912
1,2,3-Trichlorobenzene	ND		17.3	1	05/16/2025 16:13	WG2516912
1,2,4-Trichlorobenzene	ND		17.3	1	05/16/2025 16:13	WG2516912
1,1,1-Trichloroethane	ND		3.45	1	05/16/2025 16:13	WG2516912
1,1,2-Trichloroethane	ND		3.45	1	05/16/2025 16:13	WG2516912
Trichloroethene	ND		1.38	1	05/16/2025 16:13	WG2516912
Trichlorofluoromethane	ND		3.45	1	05/16/2025 16:13	WG2516912
1,2,3-Trichloropropane	ND		17.3	1	05/16/2025 16:13	WG2516912
1,2,3-Trimethylbenzene	ND		6.90	1	05/16/2025 16:13	WG2516912
Vinyl chloride	ND		3.45	1	05/16/2025 16:13	WG2516912
(S) Toluene-d8	*100*		*75.0-131*		*05/16/2025 16:13*	WG2516912
(S) 4-Bromofluorobenzene	*102*		*67.0-138*		*05/16/2025 16:13*	WG2516912
(S) 1,2-Dichloroethane-d4	*98.4*		*70.0-130*		*05/16/2025 16:13*	WG2516912

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		79.2	2	05/16/2025 23:15	WG2516905
Benzidine	ND		3970	2	05/16/2025 23:15	WG2516905
Benzo(g,h,i)perylene	ND		79.2	2	05/16/2025 23:15	WG2516905
Bis(2-chlorethoxy)methane	ND		792	2	05/16/2025 23:15	WG2516905
Bis(2-chloroethyl)ether	ND		792	2	05/16/2025 23:15	WG2516905
2,2-Oxybis(1-Chloropropane)	ND		792	2	05/16/2025 23:15	WG2516905
4-Bromophenyl-phenylether	ND		792	2	05/16/2025 23:15	WG2516905
2-Chloronaphthalene	ND		79.2	2	05/16/2025 23:15	WG2516905
4-Chlorophenyl-phenylether	ND		792	2	05/16/2025 23:15	WG2516905
1,2-Dichlorobenzene	ND		792	2	05/16/2025 23:15	WG2516905
1,3-Dichlorobenzene	ND		792	2	05/16/2025 23:15	WG2516905
1,4-Dichlorobenzene	ND		792	2	05/16/2025 23:15	WG2516905
3,3-Dichlorobenzidine	ND		792	2	05/16/2025 23:15	WG2516905
2,4-Dinitrotoluene	ND		792	2	05/16/2025 23:15	WG2516905
2,6-Dinitrotoluene	ND		792	2	05/16/2025 23:15	WG2516905
Hexachlorobenzene	ND		792	2	05/16/2025 23:15	WG2516905
Hexachloro-1,3-butadiene	ND		792	2	05/16/2025 23:15	WG2516905
Hexachlorocyclopentadiene	ND	C7	792	2	05/16/2025 23:15	WG2516905
Hexachloroethane	ND		792	2	05/16/2025 23:15	WG2516905
Isophorone	ND		792	2	05/16/2025 23:15	WG2516905
Nitrobenzene	ND		792	2	05/16/2025 23:15	WG2516905
n-Nitrosodimethylamine	ND		792	2	05/16/2025 23:15	WG2516905
n-Nitrosodiphenylamine	ND		792	2	05/16/2025 23:15	WG2516905
n-Nitrosodi-n-propylamine	ND		792	2	05/16/2025 23:15	WG2516905
Phenanthrene	ND		79.2	2	05/16/2025 23:15	WG2516905
Benzylbutyl phthalate	ND		792	2	05/16/2025 23:15	WG2516905
Bis(2-ethylhexyl)phthalate	ND		792	2	05/16/2025 23:15	WG2516905
Di-n-butyl phthalate	ND		792	2	05/16/2025 23:15	WG2516905
Diethyl phthalate	ND		792	2	05/16/2025 23:15	WG2516905
Dimethyl phthalate	ND		792	2	05/16/2025 23:15	WG2516905
Di-n-octyl phthalate	ND		792	2	05/16/2025 23:15	WG2516905
1,2,4-Trichlorobenzene	ND		792	2	05/16/2025 23:15	WG2516905
4-Chloro-3-methylphenol	ND		792	2	05/16/2025 23:15	WG2516905
2-Chlorophenol	ND		792	2	05/16/2025 23:15	WG2516905
2,4-Dichlorophenol	ND		792	2	05/16/2025 23:15	WG2516905
2,4-Dimethylphenol	ND		792	2	05/16/2025 23:15	WG2516905
4,6-Dinitro-2-methylphenol	ND		792	2	05/16/2025 23:15	WG2516905
2,4-Dinitrophenol	ND	C3	792	2	05/16/2025 23:15	WG2516905
2-Nitrophenol	ND		792	2	05/16/2025 23:15	WG2516905
4-Nitrophenol	ND		792	2	05/16/2025 23:15	WG2516905
Pentachlorophenol	ND	C3	792	2	05/16/2025 23:15	WG2516905
Phenol	ND		792	2	05/16/2025 23:15	WG2516905
2,4,6-Trichlorophenol	ND		792	2	05/16/2025 23:15	WG2516905
(S) 2-Fluorophenol	*70.7*		*12.0-120*		*05/16/2025 23:15*	WG2516905
(S) Phenol-d5	*67.8*		*10.0-120*		*05/16/2025 23:15*	WG2516905
(S) Nitrobenzene-d5	*64.2*		*10.0-122*		*05/16/2025 23:15*	WG2516905
(S) 2-Fluorobiphenyl	*55.1*		*15.0-120*		*05/16/2025 23:15*	WG2516905
(S) 2,4,6-Tribromophenol	*54.7*		*10.0-127*		*05/16/2025 23:15*	WG2516905
(S) p-Terphenyl-d14	*59.2*		*10.0-120*		*05/16/2025 23:15*	WG2516905

Sample Narrative:

L1859689-10 WG2516905: Dilution due to matrix impact during extract concentration procedure

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	2540000		24800	1	05/18/2025 19:42	WG2516923

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.3		1	05/16/2025 15:53	WG2516921

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		12300	1	05/18/2025 23:11	WG2517191

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	2540000		123000	5	05/18/2025 19:42	WG2517187

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		24800	1.01	05/16/2025 23:48	WG2516923

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	20200000		500000	5	05/17/2025 16:14	WG2516896

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	4340000		24600	1	05/16/2025 20:23	WG2516925
Antimony	ND		2460	1	05/16/2025 20:23	WG2516925
Beryllium	491		246	1	05/16/2025 20:23	WG2516925
Calcium	18800000		123000	1	05/16/2025 20:23	WG2516925
Cobalt	3890		1230	1	05/16/2025 20:23	WG2516925
Iron	6880000		12300	1	05/16/2025 20:23	WG2516925
Magnesium	2920000		123000	1	05/16/2025 20:23	WG2516925
Manganese	248000		1230	1	05/16/2025 20:23	WG2516925
Potassium	2950000		123000	1	05/16/2025 20:23	WG2516925
Sodium	ND		123000	1	05/16/2025 20:23	WG2516925
Thallium	ND		2460	1	05/16/2025 20:23	WG2516925
Vanadium	13900		2460	1	05/16/2025 20:23	WG2516925

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	ND		73.0	1	05/16/2025 16:32	WG2516912
Acrylonitrile	ND	J3	18.2	1	05/16/2025 16:32	WG2516912
Bromobenzene	ND		18.2	1	05/16/2025 16:32	WG2516912
Bromodichloromethane	ND		3.65	1	05/16/2025 16:32	WG2516912
Bromoform	ND		36.5	1	05/16/2025 16:32	WG2516912
Bromomethane	ND	C3	18.2	1	05/16/2025 16:32	WG2516912

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
n-Butylbenzene	ND		18.2	1	05/16/2025 16:32	WG2516912
sec-Butylbenzene	ND		18.2	1	05/16/2025 16:32	WG2516912
tert-Butylbenzene	ND		7.30	1	05/16/2025 16:32	WG2516912
Carbon tetrachloride	ND		7.30	1	05/16/2025 16:32	WG2516912
Chlorobenzene	ND		3.65	1	05/16/2025 16:32	WG2516912
Chlorodibromomethane	ND		3.65	1	05/16/2025 16:32	WG2516912
Chloroethane	ND		7.30	1	05/16/2025 16:32	WG2516912
Chloroform	ND		3.65	1	05/16/2025 16:32	WG2516912
Chloromethane	ND		18.2	1	05/16/2025 16:32	WG2516912
2-Chlorotoluene	ND		3.65	1	05/16/2025 16:32	WG2516912
4-Chlorotoluene	ND		7.30	1	05/16/2025 16:32	WG2516912
1,2-Dibromo-3-Chloropropane	ND	J3	36.5	1	05/16/2025 16:32	WG2516912
1,2-Dibromoethane	ND		3.65	1	05/16/2025 16:32	WG2516912
Dibromomethane	ND		7.30	1	05/16/2025 16:32	WG2516912
1,2-Dichlorobenzene	ND		7.30	1	05/16/2025 16:32	WG2516912
1,3-Dichlorobenzene	ND		7.30	1	05/16/2025 16:32	WG2516912
1,4-Dichlorobenzene	ND		7.30	1	05/16/2025 16:32	WG2516912
Dichlorodifluoromethane	ND		7.30	1	05/16/2025 16:32	WG2516912
1,1-Dichloroethane	ND		3.65	1	05/16/2025 16:32	WG2516912
1,2-Dichloroethane	ND		3.65	1	05/16/2025 16:32	WG2516912
1,1-Dichloroethene	ND		3.65	1	05/16/2025 16:32	WG2516912
cis-1,2-Dichloroethene	ND		3.65	1	05/16/2025 16:32	WG2516912
trans-1,2-Dichloroethene	ND		7.30	1	05/16/2025 16:32	WG2516912
1,2-Dichloropropane	ND		7.30	1	05/16/2025 16:32	WG2516912
1,1-Dichloropropene	ND		3.65	1	05/16/2025 16:32	WG2516912
1,3-Dichloropropane	ND		7.30	1	05/16/2025 16:32	WG2516912
cis-1,3-Dichloropropene	ND		3.65	1	05/16/2025 16:32	WG2516912
trans-1,3-Dichloropropene	ND		7.30	1	05/16/2025 16:32	WG2516912
2,2-Dichloropropane	ND		3.65	1	05/16/2025 16:32	WG2516912
Di-isopropyl ether	ND		1.46	1	05/16/2025 16:32	WG2516912
Hexachloro-1,3-butadiene	ND		36.5	1	05/16/2025 16:32	WG2516912
Isopropylbenzene	ND		3.65	1	05/16/2025 16:32	WG2516912
p-Isopropyltoluene	ND		7.30	1	05/16/2025 16:32	WG2516912
2-Butanone (MEK)	ND	J3	146	1	05/16/2025 16:32	WG2516912
Methylene Chloride	ND		36.5	1	05/16/2025 16:32	WG2516912
4-Methyl-2-pentanone (MIBK)	ND		36.5	1	05/16/2025 16:32	WG2516912
Methyl tert-butyl ether	ND		1.46	1	05/16/2025 16:32	WG2516912
n-Propylbenzene	ND		7.30	1	05/16/2025 16:32	WG2516912
Styrene	ND		18.2	1	05/16/2025 16:32	WG2516912
1,1,1,2-Tetrachloroethane	ND		3.65	1	05/16/2025 16:32	WG2516912
1,1,2,2-Tetrachloroethane	ND		3.65	1	05/16/2025 16:32	WG2516912
1,1,2-Trichlorotrifluoroethane	ND		3.65	1	05/16/2025 16:32	WG2516912
Tetrachloroethene	ND		3.65	1	05/16/2025 16:32	WG2516912
1,2,3-Trichlorobenzene	ND		18.2	1	05/16/2025 16:32	WG2516912
1,2,4-Trichlorobenzene	ND		18.2	1	05/16/2025 16:32	WG2516912
1,1,1-Trichloroethane	ND		3.65	1	05/16/2025 16:32	WG2516912
1,1,2-Trichloroethane	ND		3.65	1	05/16/2025 16:32	WG2516912
Trichloroethene	ND		1.46	1	05/16/2025 16:32	WG2516912
Trichlorofluoromethane	ND		3.65	1	05/16/2025 16:32	WG2516912
1,2,3-Trichloropropane	ND		18.2	1	05/16/2025 16:32	WG2516912
1,2,3-Trimethylbenzene	ND		7.30	1	05/16/2025 16:32	WG2516912
Vinyl chloride	ND		3.65	1	05/16/2025 16:32	WG2516912
(S) Toluene-d8	*101*		*75.0-131*		*05/16/2025 16:32*	WG2516912
(S) 4-Bromofluorobenzene	*103*		*67.0-138*		*05/16/2025 16:32*	WG2516912
(S) 1,2-Dichloroethane-d4	*99.8*		*70.0-130*		*05/16/2025 16:32*	WG2516912

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		81.9	2	05/16/2025 22:33	WG2516905
Benzidine	ND		4110	2	05/16/2025 22:33	WG2516905
Benzo(g,h,i)perylene	ND		81.9	2	05/16/2025 22:33	WG2516905
Bis(2-chlorethoxy)methane	ND		819	2	05/16/2025 22:33	WG2516905
Bis(2-chloroethyl)ether	ND		819	2	05/16/2025 22:33	WG2516905
2,2-Oxybis(1-Chloropropane)	ND		819	2	05/16/2025 22:33	WG2516905
4-Bromophenyl-phenylether	ND		819	2	05/16/2025 22:33	WG2516905
2-Chloronaphthalene	ND		81.9	2	05/16/2025 22:33	WG2516905
4-Chlorophenyl-phenylether	ND		819	2	05/16/2025 22:33	WG2516905
1,2-Dichlorobenzene	ND		819	2	05/16/2025 22:33	WG2516905
1,3-Dichlorobenzene	ND		819	2	05/16/2025 22:33	WG2516905
1,4-Dichlorobenzene	ND		819	2	05/16/2025 22:33	WG2516905
3,3-Dichlorobenzidine	ND		819	2	05/16/2025 22:33	WG2516905
2,4-Dinitrotoluene	ND		819	2	05/16/2025 22:33	WG2516905
2,6-Dinitrotoluene	ND		819	2	05/16/2025 22:33	WG2516905
Hexachlorobenzene	ND		819	2	05/16/2025 22:33	WG2516905
Hexachloro-1,3-butadiene	ND		819	2	05/16/2025 22:33	WG2516905
Hexachlorocyclopentadiene	ND	C7	819	2	05/16/2025 22:33	WG2516905
Hexachloroethane	ND		819	2	05/16/2025 22:33	WG2516905
Isophorone	ND		819	2	05/16/2025 22:33	WG2516905
Nitrobenzene	ND		819	2	05/16/2025 22:33	WG2516905
n-Nitrosodimethylamine	ND		819	2	05/16/2025 22:33	WG2516905
n-Nitrosodiphenylamine	ND		819	2	05/16/2025 22:33	WG2516905
n-Nitrosodi-n-propylamine	ND		819	2	05/16/2025 22:33	WG2516905
Phenanthrene	ND		81.9	2	05/16/2025 22:33	WG2516905
Benzylbutyl phthalate	ND		819	2	05/16/2025 22:33	WG2516905
Bis(2-ethylhexyl)phthalate	ND		819	2	05/16/2025 22:33	WG2516905
Di-n-butyl phthalate	ND		819	2	05/16/2025 22:33	WG2516905
Diethyl phthalate	ND		819	2	05/16/2025 22:33	WG2516905
Dimethyl phthalate	ND		819	2	05/16/2025 22:33	WG2516905
Di-n-octyl phthalate	ND		819	2	05/16/2025 22:33	WG2516905
1,2,4-Trichlorobenzene	ND		819	2	05/16/2025 22:33	WG2516905
4-Chloro-3-methylphenol	ND		819	2	05/16/2025 22:33	WG2516905
2-Chlorophenol	ND		819	2	05/16/2025 22:33	WG2516905
2,4-Dichlorophenol	ND		819	2	05/16/2025 22:33	WG2516905
2,4-Dimethylphenol	ND		819	2	05/16/2025 22:33	WG2516905
4,6-Dinitro-2-methylphenol	ND		819	2	05/16/2025 22:33	WG2516905
2,4-Dinitrophenol	ND	C3	819	2	05/16/2025 22:33	WG2516905
2-Nitrophenol	ND		819	2	05/16/2025 22:33	WG2516905
4-Nitrophenol	ND		819	2	05/16/2025 22:33	WG2516905
Pentachlorophenol	ND	C3	819	2	05/16/2025 22:33	WG2516905
Phenol	ND		819	2	05/16/2025 22:33	WG2516905
2,4,6-Trichlorophenol	ND		819	2	05/16/2025 22:33	WG2516905
(S) 2-Fluorophenol	*66.1*		*12.0-120*		*05/16/2025 22:33*	WG2516905
(S) Phenol-d5	*66.1*		*10.0-120*		*05/16/2025 22:33*	WG2516905
(S) Nitrobenzene-d5	*58.3*		*10.0-122*		*05/16/2025 22:33*	WG2516905
(S) 2-Fluorobiphenyl	*52.5*		*15.0-120*		*05/16/2025 22:33*	WG2516905
(S) 2,4,6-Tribromophenol	*57.1*		*10.0-127*		*05/16/2025 22:33*	WG2516905
(S) p-Terphenyl-d14	*60.1*		*10.0-120*		*05/16/2025 22:33*	WG2516905

Sample Narrative:

L1859689-11 WG2516905: Dilution due to matrix impact during extract concentration procedure

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1360000		26400	1	05/18/2025 19:43	WG2516923

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	77.1		1	05/16/2025 16:17	WG2516924

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		13000	1	05/18/2025 23:13	WG2517191

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1340000		130000	5	05/18/2025 19:43	WG2517187

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		26400	1.02	05/17/2025 00:04	WG2516923

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	15900000		500000	5	05/17/2025 16:16	WG2516896

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	4790000		25900	1	05/16/2025 20:25	WG2516925
Antimony	ND		2590	1	05/16/2025 20:25	WG2516925
Beryllium	562		259	1	05/16/2025 20:25	WG2516925
Calcium	23200000		130000	1	05/16/2025 20:25	WG2516925
Cobalt	4380		1300	1	05/16/2025 20:25	WG2516925
Iron	6890000		13000	1	05/16/2025 20:25	WG2516925
Magnesium	3270000		130000	1	05/16/2025 20:25	WG2516925
Manganese	283000		1300	1	05/16/2025 20:25	WG2516925
Potassium	3600000		130000	1	05/16/2025 20:25	WG2516925
Sodium	ND		130000	1	05/16/2025 20:25	WG2516925
Thallium	ND		2590	1	05/16/2025 20:25	WG2516925
Vanadium	16200		2590	1	05/16/2025 20:25	WG2516925

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	ND		79.7	1	05/16/2025 16:51	WG2516912
Acrylonitrile	ND	J3	19.9	1	05/16/2025 16:51	WG2516912
Bromobenzene	ND		19.9	1	05/16/2025 16:51	WG2516912
Bromodichloromethane	ND		3.98	1	05/16/2025 16:51	WG2516912
Bromoform	ND		39.8	1	05/16/2025 16:51	WG2516912
Bromomethane	ND	C3	19.9	1	05/16/2025 16:51	WG2516912

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
n-Butylbenzene	ND		19.9	1	05/16/2025 16:51	WG2516912
sec-Butylbenzene	ND		19.9	1	05/16/2025 16:51	WG2516912
tert-Butylbenzene	ND		7.97	1	05/16/2025 16:51	WG2516912
Carbon tetrachloride	ND		7.97	1	05/16/2025 16:51	WG2516912
Chlorobenzene	ND		3.98	1	05/16/2025 16:51	WG2516912
Chlorodibromomethane	ND		3.98	1	05/16/2025 16:51	WG2516912
Chloroethane	ND		7.97	1	05/16/2025 16:51	WG2516912
Chloroform	ND		3.98	1	05/16/2025 16:51	WG2516912
Chloromethane	ND		19.9	1	05/16/2025 16:51	WG2516912
2-Chlorotoluene	ND		3.98	1	05/16/2025 16:51	WG2516912
4-Chlorotoluene	ND		7.97	1	05/16/2025 16:51	WG2516912
1,2-Dibromo-3-Chloropropane	ND	J3	39.8	1	05/16/2025 16:51	WG2516912
1,2-Dibromoethane	ND		3.98	1	05/16/2025 16:51	WG2516912
Dibromomethane	ND		7.97	1	05/16/2025 16:51	WG2516912
1,2-Dichlorobenzene	ND		7.97	1	05/16/2025 16:51	WG2516912
1,3-Dichlorobenzene	ND		7.97	1	05/16/2025 16:51	WG2516912
1,4-Dichlorobenzene	ND		7.97	1	05/16/2025 16:51	WG2516912
Dichlorodifluoromethane	ND		7.97	1	05/16/2025 16:51	WG2516912
1,1-Dichloroethane	ND		3.98	1	05/16/2025 16:51	WG2516912
1,2-Dichloroethane	ND		3.98	1	05/16/2025 16:51	WG2516912
1,1-Dichloroethene	ND		3.98	1	05/16/2025 16:51	WG2516912
cis-1,2-Dichloroethene	ND		3.98	1	05/16/2025 16:51	WG2516912
trans-1,2-Dichloroethene	ND		7.97	1	05/16/2025 16:51	WG2516912
1,2-Dichloropropane	ND		7.97	1	05/16/2025 16:51	WG2516912
1,1-Dichloropropene	ND		3.98	1	05/16/2025 16:51	WG2516912
1,3-Dichloropropane	ND		7.97	1	05/16/2025 16:51	WG2516912
cis-1,3-Dichloropropene	ND		3.98	1	05/16/2025 16:51	WG2516912
trans-1,3-Dichloropropene	ND		7.97	1	05/16/2025 16:51	WG2516912
2,2-Dichloropropane	ND		3.98	1	05/16/2025 16:51	WG2516912
Di-isopropyl ether	ND		1.59	1	05/16/2025 16:51	WG2516912
Hexachloro-1,3-butadiene	ND		39.8	1	05/16/2025 16:51	WG2516912
Isopropylbenzene	ND		3.98	1	05/16/2025 16:51	WG2516912
p-Isopropyltoluene	ND		7.97	1	05/16/2025 16:51	WG2516912
2-Butanone (MEK)	ND	J3	159	1	05/16/2025 16:51	WG2516912
Methylene Chloride	ND		39.8	1	05/16/2025 16:51	WG2516912
4-Methyl-2-pentanone (MIBK)	ND		39.8	1	05/16/2025 16:51	WG2516912
Methyl tert-butyl ether	ND		1.59	1	05/16/2025 16:51	WG2516912
n-Propylbenzene	ND		7.97	1	05/16/2025 16:51	WG2516912
Styrene	ND		19.9	1	05/16/2025 16:51	WG2516912
1,1,1,2-Tetrachloroethane	ND		3.98	1	05/16/2025 16:51	WG2516912
1,1,2,2-Tetrachloroethane	ND		3.98	1	05/16/2025 16:51	WG2516912
1,1,2-Trichlorotrifluoroethane	ND		3.98	1	05/16/2025 16:51	WG2516912
Tetrachloroethene	ND		3.98	1	05/16/2025 16:51	WG2516912
1,2,3-Trichlorobenzene	ND		19.9	1	05/16/2025 16:51	WG2516912
1,2,4-Trichlorobenzene	ND		19.9	1	05/16/2025 16:51	WG2516912
1,1,1-Trichloroethane	ND		3.98	1	05/16/2025 16:51	WG2516912
1,1,2-Trichloroethane	ND		3.98	1	05/16/2025 16:51	WG2516912
Trichloroethene	ND		1.59	1	05/16/2025 16:51	WG2516912
Trichlorofluoromethane	ND		3.98	1	05/16/2025 16:51	WG2516912
1,2,3-Trichloropropane	ND		19.9	1	05/16/2025 16:51	WG2516912
1,2,3-Trimethylbenzene	ND		7.97	1	05/16/2025 16:51	WG2516912
Vinyl chloride	ND		3.98	1	05/16/2025 16:51	WG2516912
(S) Toluene-d8	*102*		*75.0-131*		*05/16/2025 16:51*	WG2516912
(S) 4-Bromofluorobenzene	*97.8*		*67.0-138*		*05/16/2025 16:51*	WG2516912
(S) 1,2-Dichloroethane-d4	*96.0*		*70.0-130*		*05/16/2025 16:51*	WG2516912

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		86.3	2	05/16/2025 22:12	WG2516905
Benzidine	ND		4330	2	05/16/2025 22:12	WG2516905
Benzo(g,h,i)perylene	ND		86.3	2	05/16/2025 22:12	WG2516905
Bis(2-chlorethoxy)methane	ND		863	2	05/16/2025 22:12	WG2516905
Bis(2-chloroethyl)ether	ND		863	2	05/16/2025 22:12	WG2516905
2,2-Oxybis(1-Chloropropane)	ND		863	2	05/16/2025 22:12	WG2516905
4-Bromophenyl-phenylether	ND		863	2	05/16/2025 22:12	WG2516905
2-Chloronaphthalene	ND		86.3	2	05/16/2025 22:12	WG2516905
4-Chlorophenyl-phenylether	ND		863	2	05/16/2025 22:12	WG2516905
1,2-Dichlorobenzene	ND		863	2	05/16/2025 22:12	WG2516905
1,3-Dichlorobenzene	ND		863	2	05/16/2025 22:12	WG2516905
1,4-Dichlorobenzene	ND		863	2	05/16/2025 22:12	WG2516905
3,3-Dichlorobenzidine	ND		863	2	05/16/2025 22:12	WG2516905
2,4-Dinitrotoluene	ND		863	2	05/16/2025 22:12	WG2516905
2,6-Dinitrotoluene	ND		863	2	05/16/2025 22:12	WG2516905
Hexachlorobenzene	ND		863	2	05/16/2025 22:12	WG2516905
Hexachloro-1,3-butadiene	ND		863	2	05/16/2025 22:12	WG2516905
Hexachlorocyclopentadiene	ND	C7	863	2	05/16/2025 22:12	WG2516905
Hexachloroethane	ND		863	2	05/16/2025 22:12	WG2516905
Isophorone	ND		863	2	05/16/2025 22:12	WG2516905
Nitrobenzene	ND		863	2	05/16/2025 22:12	WG2516905
n-Nitrosodimethylamine	ND		863	2	05/16/2025 22:12	WG2516905
n-Nitrosodiphenylamine	ND		863	2	05/16/2025 22:12	WG2516905
n-Nitrosodi-n-propylamine	ND		863	2	05/16/2025 22:12	WG2516905
Phenanthrene	ND		86.3	2	05/16/2025 22:12	WG2516905
Benzylbutyl phthalate	ND		863	2	05/16/2025 22:12	WG2516905
Bis(2-ethylhexyl)phthalate	ND		863	2	05/16/2025 22:12	WG2516905
Di-n-butyl phthalate	ND		863	2	05/16/2025 22:12	WG2516905
Diethyl phthalate	ND		863	2	05/16/2025 22:12	WG2516905
Dimethyl phthalate	ND		863	2	05/16/2025 22:12	WG2516905
Di-n-octyl phthalate	ND		863	2	05/16/2025 22:12	WG2516905
1,2,4-Trichlorobenzene	ND		863	2	05/16/2025 22:12	WG2516905
4-Chloro-3-methylphenol	ND		863	2	05/16/2025 22:12	WG2516905
2-Chlorophenol	ND		863	2	05/16/2025 22:12	WG2516905
2,4-Dichlorophenol	ND		863	2	05/16/2025 22:12	WG2516905
2,4-Dimethylphenol	ND		863	2	05/16/2025 22:12	WG2516905
4,6-Dinitro-2-methylphenol	ND		863	2	05/16/2025 22:12	WG2516905
2,4-Dinitrophenol	ND	C3	863	2	05/16/2025 22:12	WG2516905
2-Nitrophenol	ND		863	2	05/16/2025 22:12	WG2516905
4-Nitrophenol	ND		863	2	05/16/2025 22:12	WG2516905
Pentachlorophenol	ND	C3	863	2	05/16/2025 22:12	WG2516905
Phenol	ND		863	2	05/16/2025 22:12	WG2516905
2,4,6-Trichlorophenol	ND		863	2	05/16/2025 22:12	WG2516905
(S) 2-Fluorophenol	*69.3*		*12.0-120*		*05/16/2025 22:12*	WG2516905
(S) Phenol-d5	*66.0*		*10.0-120*		*05/16/2025 22:12*	WG2516905
(S) Nitrobenzene-d5	*62.5*		*10.0-122*		*05/16/2025 22:12*	WG2516905
(S) 2-Fluorobiphenyl	*53.4*		*15.0-120*		*05/16/2025 22:12*	WG2516905
(S) 2,4,6-Tribromophenol	*55.1*		*10.0-127*		*05/16/2025 22:12*	WG2516905
(S) p-Terphenyl-d14	*59.1*		*10.0-120*		*05/16/2025 22:12*	WG2516905

Sample Narrative:

L1859689-12 WG2516905: Dilution due to matrix impact during extract concentration procedure

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1180000		24000	1	05/18/2025 19:45	WG2516923

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.5		1	05/16/2025 16:17	WG2516924

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		12000	1	05/18/2025 23:14	WG2517191

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1180000		120000	5	05/18/2025 19:45	WG2517187

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		24000	1	05/17/2025 00:20	WG2516923

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	18600000		1000000	10	05/17/2025 16:16	WG2516896

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	4060000		24000	1	05/16/2025 20:28	WG2516925
Antimony	ND		2400	1	05/16/2025 20:28	WG2516925
Beryllium	482		240	1	05/16/2025 20:28	WG2516925
Calcium	17500000		120000	1	05/16/2025 20:28	WG2516925
Cobalt	3630		1200	1	05/16/2025 20:28	WG2516925
Iron	5740000		12000	1	05/16/2025 20:28	WG2516925
Magnesium	2410000		120000	1	05/16/2025 20:28	WG2516925
Manganese	223000		1200	1	05/16/2025 20:28	WG2516925
Potassium	1150000		120000	1	05/16/2025 20:28	WG2516925
Sodium	ND		120000	1	05/16/2025 20:28	WG2516925
Thallium	ND		2400	1	05/16/2025 20:28	WG2516925
Vanadium	11900		2400	1	05/16/2025 20:28	WG2516925

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	ND		69.9	1	05/16/2025 17:10	WG2516912
Acrylonitrile	ND	J3	17.5	1	05/16/2025 17:10	WG2516912
Bromobenzene	ND		17.5	1	05/16/2025 17:10	WG2516912
Bromodichloromethane	ND		3.49	1	05/16/2025 17:10	WG2516912
Bromoform	ND		34.9	1	05/16/2025 17:10	WG2516912
Bromomethane	ND	C3	17.5	1	05/16/2025 17:10	WG2516912

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
n-Butylbenzene	ND		17.5	1	05/16/2025 17:10	WG2516912
sec-Butylbenzene	ND		17.5	1	05/16/2025 17:10	WG2516912
tert-Butylbenzene	ND		6.99	1	05/16/2025 17:10	WG2516912
Carbon tetrachloride	ND		6.99	1	05/16/2025 17:10	WG2516912
Chlorobenzene	ND		3.49	1	05/16/2025 17:10	WG2516912
Chlorodibromomethane	ND		3.49	1	05/16/2025 17:10	WG2516912
Chloroethane	ND		6.99	1	05/16/2025 17:10	WG2516912
Chloroform	ND		3.49	1	05/16/2025 17:10	WG2516912
Chloromethane	ND		17.5	1	05/16/2025 17:10	WG2516912
2-Chlorotoluene	ND		3.49	1	05/16/2025 17:10	WG2516912
4-Chlorotoluene	ND		6.99	1	05/16/2025 17:10	WG2516912
1,2-Dibromo-3-Chloropropane	ND	J3	34.9	1	05/16/2025 17:10	WG2516912
1,2-Dibromoethane	ND		3.49	1	05/16/2025 17:10	WG2516912
Dibromomethane	ND		6.99	1	05/16/2025 17:10	WG2516912
1,2-Dichlorobenzene	ND		6.99	1	05/16/2025 17:10	WG2516912
1,3-Dichlorobenzene	ND		6.99	1	05/16/2025 17:10	WG2516912
1,4-Dichlorobenzene	ND		6.99	1	05/16/2025 17:10	WG2516912
Dichlorodifluoromethane	ND		6.99	1	05/16/2025 17:10	WG2516912
1,1-Dichloroethane	ND		3.49	1	05/16/2025 17:10	WG2516912
1,2-Dichloroethane	ND		3.49	1	05/16/2025 17:10	WG2516912
1,1-Dichloroethene	ND		3.49	1	05/16/2025 17:10	WG2516912
cis-1,2-Dichloroethene	ND		3.49	1	05/16/2025 17:10	WG2516912
trans-1,2-Dichloroethene	ND		6.99	1	05/16/2025 17:10	WG2516912
1,2-Dichloropropane	ND		6.99	1	05/16/2025 17:10	WG2516912
1,1-Dichloropropene	ND		3.49	1	05/16/2025 17:10	WG2516912
1,3-Dichloropropane	ND		6.99	1	05/16/2025 17:10	WG2516912
cis-1,3-Dichloropropene	ND		3.49	1	05/16/2025 17:10	WG2516912
trans-1,3-Dichloropropene	ND		6.99	1	05/16/2025 17:10	WG2516912
2,2-Dichloropropane	ND		3.49	1	05/16/2025 17:10	WG2516912
Di-isopropyl ether	ND		1.40	1	05/16/2025 17:10	WG2516912
Hexachloro-1,3-butadiene	ND		34.9	1	05/16/2025 17:10	WG2516912
Isopropylbenzene	ND		3.49	1	05/16/2025 17:10	WG2516912
p-Isopropyltoluene	ND		6.99	1	05/16/2025 17:10	WG2516912
2-Butanone (MEK)	ND	J3	140	1	05/16/2025 17:10	WG2516912
Methylene Chloride	ND		34.9	1	05/16/2025 17:10	WG2516912
4-Methyl-2-pentanone (MIBK)	ND		34.9	1	05/16/2025 17:10	WG2516912
Methyl tert-butyl ether	ND		1.40	1	05/16/2025 17:10	WG2516912
n-Propylbenzene	ND		6.99	1	05/16/2025 17:10	WG2516912
Styrene	ND		17.5	1	05/16/2025 17:10	WG2516912
1,1,1,2-Tetrachloroethane	ND		3.49	1	05/16/2025 17:10	WG2516912
1,1,2,2-Tetrachloroethane	ND		3.49	1	05/16/2025 17:10	WG2516912
1,1,2-Trichlorotrifluoroethane	ND		3.49	1	05/16/2025 17:10	WG2516912
Tetrachloroethene	ND		3.49	1	05/16/2025 17:10	WG2516912
1,2,3-Trichlorobenzene	ND		17.5	1	05/16/2025 17:10	WG2516912
1,2,4-Trichlorobenzene	ND		17.5	1	05/16/2025 17:10	WG2516912
1,1,1-Trichloroethane	ND		3.49	1	05/16/2025 17:10	WG2516912
1,1,2-Trichloroethane	ND		3.49	1	05/16/2025 17:10	WG2516912
Trichloroethene	ND		1.40	1	05/16/2025 17:10	WG2516912
Trichlorofluoromethane	ND		3.49	1	05/16/2025 17:10	WG2516912
1,2,3-Trichloropropane	ND		17.5	1	05/16/2025 17:10	WG2516912
1,2,3-Trimethylbenzene	ND		6.99	1	05/16/2025 17:10	WG2516912
Vinyl chloride	ND		3.49	1	05/16/2025 17:10	WG2516912
(S) Toluene-d8	*101*		*75.0-131*		*05/16/2025 17:10*	WG2516912
(S) 4-Bromofluorobenzene	*100*		*67.0-138*		*05/16/2025 17:10*	WG2516912
(S) 1,2-Dichloroethane-d4	*98.1*		*70.0-130*		*05/16/2025 17:10*	WG2516912

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		79.8	2	05/17/2025 01:41	WG2516905
Benzidine	ND		4000	2	05/17/2025 01:41	WG2516905
Benzo(g,h,i)perylene	ND		79.8	2	05/17/2025 01:41	WG2516905
Bis(2-chlorethoxy)methane	ND		798	2	05/17/2025 01:41	WG2516905
Bis(2-chloroethyl)ether	ND		798	2	05/17/2025 01:41	WG2516905
2,2-Oxybis(1-Chloropropane)	ND		798	2	05/17/2025 01:41	WG2516905
4-Bromophenyl-phenylether	ND		798	2	05/17/2025 01:41	WG2516905
2-Chloronaphthalene	ND		79.8	2	05/17/2025 01:41	WG2516905
4-Chlorophenyl-phenylether	ND		798	2	05/17/2025 01:41	WG2516905
1,2-Dichlorobenzene	ND		798	2	05/17/2025 01:41	WG2516905
1,3-Dichlorobenzene	ND		798	2	05/17/2025 01:41	WG2516905
1,4-Dichlorobenzene	ND		798	2	05/17/2025 01:41	WG2516905
3,3-Dichlorobenzidine	ND		798	2	05/17/2025 01:41	WG2516905
2,4-Dinitrotoluene	ND		798	2	05/17/2025 01:41	WG2516905
2,6-Dinitrotoluene	ND		798	2	05/17/2025 01:41	WG2516905
Hexachlorobenzene	ND		798	2	05/17/2025 01:41	WG2516905
Hexachloro-1,3-butadiene	ND		798	2	05/17/2025 01:41	WG2516905
Hexachlorocyclopentadiene	ND	C7	798	2	05/17/2025 01:41	WG2516905
Hexachloroethane	ND		798	2	05/17/2025 01:41	WG2516905
Isophorone	ND		798	2	05/17/2025 01:41	WG2516905
Nitrobenzene	ND		798	2	05/17/2025 01:41	WG2516905
n-Nitrosodimethylamine	ND		798	2	05/17/2025 01:41	WG2516905
n-Nitrosodiphenylamine	ND		798	2	05/17/2025 01:41	WG2516905
n-Nitrosodi-n-propylamine	ND		798	2	05/17/2025 01:41	WG2516905
Phenanthrene	ND		79.8	2	05/17/2025 01:41	WG2516905
Benzylbutyl phthalate	ND		798	2	05/17/2025 01:41	WG2516905
Bis(2-ethylhexyl)phthalate	ND		798	2	05/17/2025 01:41	WG2516905
Di-n-butyl phthalate	ND		798	2	05/17/2025 01:41	WG2516905
Diethyl phthalate	ND		798	2	05/17/2025 01:41	WG2516905
Dimethyl phthalate	ND		798	2	05/17/2025 01:41	WG2516905
Di-n-octyl phthalate	ND		798	2	05/17/2025 01:41	WG2516905
1,2,4-Trichlorobenzene	ND		798	2	05/17/2025 01:41	WG2516905
4-Chloro-3-methylphenol	ND		798	2	05/17/2025 01:41	WG2516905
2-Chlorophenol	ND		798	2	05/17/2025 01:41	WG2516905
2,4-Dichlorophenol	ND		798	2	05/17/2025 01:41	WG2516905
2,4-Dimethylphenol	ND		798	2	05/17/2025 01:41	WG2516905
4,6-Dinitro-2-methylphenol	ND		798	2	05/17/2025 01:41	WG2516905
2,4-Dinitrophenol	ND	C3	798	2	05/17/2025 01:41	WG2516905
2-Nitrophenol	ND		798	2	05/17/2025 01:41	WG2516905
4-Nitrophenol	ND		798	2	05/17/2025 01:41	WG2516905
Pentachlorophenol	ND	C3	798	2	05/17/2025 01:41	WG2516905
Phenol	ND		798	2	05/17/2025 01:41	WG2516905
2,4,6-Trichlorophenol	ND		798	2	05/17/2025 01:41	WG2516905
(S) 2-Fluorophenol	*69.4*		*12.0-120*		*05/17/2025 01:41*	WG2516905
(S) Phenol-d5	*67.4*		*10.0-120*		*05/17/2025 01:41*	WG2516905
(S) Nitrobenzene-d5	*64.6*		*10.0-122*		*05/17/2025 01:41*	WG2516905
(S) 2-Fluorobiphenyl	*56.1*		*15.0-120*		*05/17/2025 01:41*	WG2516905
(S) 2,4,6-Tribromophenol	*55.5*		*10.0-127*		*05/17/2025 01:41*	WG2516905
(S) p-Terphenyl-d14	*60.5*		*10.0-120*		*05/17/2025 01:41*	WG2516905

Sample Narrative:

L1859689-13 WG2516905: Dilution due to matrix impact during extract concentration procedure

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1720000		24600	1	05/18/2025 19:46	WG2516923

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.4		1	05/16/2025 16:17	WG2516924

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		12300	1	05/18/2025 18:27	WG2517044

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1700000		123000	5	05/18/2025 19:46	WG2517187

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		24600	1	05/17/2025 00:37	WG2516923

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	13100000		500000	5	05/17/2025 15:07	WG2516927

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	2930000		24600	1	05/16/2025 20:30	WG2516925
Antimony	ND		2460	1	05/16/2025 20:30	WG2516925
Beryllium	358		246	1	05/16/2025 20:30	WG2516925
Calcium	14100000		123000	1	05/16/2025 20:30	WG2516925
Cobalt	2640		1230	1	05/16/2025 20:30	WG2516925
Iron	4200000		12300	1	05/16/2025 20:30	WG2516925
Magnesium	2190000		123000	1	05/16/2025 20:30	WG2516925
Manganese	189000		1230	1	05/16/2025 20:30	WG2516925
Potassium	2620000		123000	1	05/16/2025 20:30	WG2516925
Sodium	ND		123000	1	05/16/2025 20:30	WG2516925
Thallium	ND		2460	1	05/16/2025 20:30	WG2516925
Vanadium	9010		2460	1	05/16/2025 20:30	WG2516925

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	ND		72.9	1	05/16/2025 17:29	WG2516912
Acrylonitrile	ND	J3	18.2	1	05/16/2025 17:29	WG2516912
Bromobenzene	ND		18.2	1	05/16/2025 17:29	WG2516912
Bromodichloromethane	ND		3.64	1	05/16/2025 17:29	WG2516912
Bromoform	ND		36.4	1	05/16/2025 17:29	WG2516912
Bromomethane	ND	C3	18.2	1	05/16/2025 17:29	WG2516912

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
n-Butylbenzene	ND		18.2	1	05/16/2025 17:29	WG2516912
sec-Butylbenzene	ND		18.2	1	05/16/2025 17:29	WG2516912
tert-Butylbenzene	ND		7.29	1	05/16/2025 17:29	WG2516912
Carbon tetrachloride	ND		7.29	1	05/16/2025 17:29	WG2516912
Chlorobenzene	ND		3.64	1	05/16/2025 17:29	WG2516912
Chlorodibromomethane	ND		3.64	1	05/16/2025 17:29	WG2516912
Chloroethane	ND		7.29	1	05/16/2025 17:29	WG2516912
Chloroform	ND		3.64	1	05/16/2025 17:29	WG2516912
Chloromethane	ND		18.2	1	05/16/2025 17:29	WG2516912
2-Chlorotoluene	ND		3.64	1	05/16/2025 17:29	WG2516912
4-Chlorotoluene	ND		7.29	1	05/16/2025 17:29	WG2516912
1,2-Dibromo-3-Chloropropane	ND	J3	36.4	1	05/16/2025 17:29	WG2516912
1,2-Dibromoethane	ND		3.64	1	05/16/2025 17:29	WG2516912
Dibromomethane	ND		7.29	1	05/16/2025 17:29	WG2516912
1,2-Dichlorobenzene	ND		7.29	1	05/16/2025 17:29	WG2516912
1,3-Dichlorobenzene	ND		7.29	1	05/16/2025 17:29	WG2516912
1,4-Dichlorobenzene	ND		7.29	1	05/16/2025 17:29	WG2516912
Dichlorodifluoromethane	ND		7.29	1	05/16/2025 17:29	WG2516912
1,1-Dichloroethane	ND		3.64	1	05/16/2025 17:29	WG2516912
1,2-Dichloroethane	ND		3.64	1	05/16/2025 17:29	WG2516912
1,1-Dichloroethene	ND		3.64	1	05/16/2025 17:29	WG2516912
cis-1,2-Dichloroethene	ND		3.64	1	05/16/2025 17:29	WG2516912
trans-1,2-Dichloroethene	ND		7.29	1	05/16/2025 17:29	WG2516912
1,2-Dichloropropane	ND		7.29	1	05/16/2025 17:29	WG2516912
1,1-Dichloropropene	ND		3.64	1	05/16/2025 17:29	WG2516912
1,3-Dichloropropane	ND		7.29	1	05/16/2025 17:29	WG2516912
cis-1,3-Dichloropropene	ND		3.64	1	05/16/2025 17:29	WG2516912
trans-1,3-Dichloropropene	ND		7.29	1	05/16/2025 17:29	WG2516912
2,2-Dichloropropane	ND		3.64	1	05/16/2025 17:29	WG2516912
Di-isopropyl ether	ND		1.46	1	05/16/2025 17:29	WG2516912
Hexachloro-1,3-butadiene	ND		36.4	1	05/16/2025 17:29	WG2516912
Isopropylbenzene	ND		3.64	1	05/16/2025 17:29	WG2516912
p-Isopropyltoluene	ND		7.29	1	05/16/2025 17:29	WG2516912
2-Butanone (MEK)	ND	J3	146	1	05/16/2025 17:29	WG2516912
Methylene Chloride	ND		36.4	1	05/16/2025 17:29	WG2516912
4-Methyl-2-pentanone (MIBK)	ND		36.4	1	05/16/2025 17:29	WG2516912
Methyl tert-butyl ether	ND		1.46	1	05/16/2025 17:29	WG2516912
n-Propylbenzene	ND		7.29	1	05/16/2025 17:29	WG2516912
Styrene	ND		18.2	1	05/16/2025 17:29	WG2516912
1,1,1,2-Tetrachloroethane	ND		3.64	1	05/16/2025 17:29	WG2516912
1,1,2,2-Tetrachloroethane	ND		3.64	1	05/16/2025 17:29	WG2516912
1,1,2-Trichlorotrifluoroethane	ND		3.64	1	05/16/2025 17:29	WG2516912
Tetrachloroethene	ND		3.64	1	05/16/2025 17:29	WG2516912
1,2,3-Trichlorobenzene	ND		18.2	1	05/16/2025 17:29	WG2516912
1,2,4-Trichlorobenzene	ND		18.2	1	05/16/2025 17:29	WG2516912
1,1,1-Trichloroethane	ND		3.64	1	05/16/2025 17:29	WG2516912
1,1,2-Trichloroethane	ND		3.64	1	05/16/2025 17:29	WG2516912
Trichloroethene	ND		1.46	1	05/16/2025 17:29	WG2516912
Trichlorofluoromethane	ND		3.64	1	05/16/2025 17:29	WG2516912
1,2,3-Trichloropropane	ND		18.2	1	05/16/2025 17:29	WG2516912
1,2,3-Trimethylbenzene	ND		7.29	1	05/16/2025 17:29	WG2516912
Vinyl chloride	ND		3.64	1	05/16/2025 17:29	WG2516912
(S) Toluene-d8	*100*		*75.0-131*		*05/16/2025 17:29*	WG2516912
(S) 4-Bromofluorobenzene	*98.6*		*67.0-138*		*05/16/2025 17:29*	WG2516912
(S) 1,2-Dichloroethane-d4	*95.8*		*70.0-130*		*05/16/2025 17:29*	WG2516912

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		81.8	2	05/17/2025 02:22	WG2516905
Benzidine	ND		4100	2	05/17/2025 02:22	WG2516905
Benzo(g,h,i)perylene	ND		81.8	2	05/17/2025 02:22	WG2516905
Bis(2-chlorethoxy)methane	ND		818	2	05/17/2025 02:22	WG2516905
Bis(2-chloroethyl)ether	ND		818	2	05/17/2025 02:22	WG2516905
2,2-Oxybis(1-Chloropropane)	ND		818	2	05/17/2025 02:22	WG2516905
4-Bromophenyl-phenylether	ND		818	2	05/17/2025 02:22	WG2516905
2-Chloronaphthalene	ND		81.8	2	05/17/2025 02:22	WG2516905
4-Chlorophenyl-phenylether	ND		818	2	05/17/2025 02:22	WG2516905
1,2-Dichlorobenzene	ND		818	2	05/17/2025 02:22	WG2516905
1,3-Dichlorobenzene	ND		818	2	05/17/2025 02:22	WG2516905
1,4-Dichlorobenzene	ND		818	2	05/17/2025 02:22	WG2516905
3,3-Dichlorobenzidine	ND		818	2	05/17/2025 02:22	WG2516905
2,4-Dinitrotoluene	ND		818	2	05/17/2025 02:22	WG2516905
2,6-Dinitrotoluene	ND		818	2	05/17/2025 02:22	WG2516905
Hexachlorobenzene	ND		818	2	05/17/2025 02:22	WG2516905
Hexachloro-1,3-butadiene	ND		818	2	05/17/2025 02:22	WG2516905
Hexachlorocyclopentadiene	ND	C7	818	2	05/17/2025 02:22	WG2516905
Hexachloroethane	ND		818	2	05/17/2025 02:22	WG2516905
Isophorone	ND		818	2	05/17/2025 02:22	WG2516905
Nitrobenzene	ND		818	2	05/17/2025 02:22	WG2516905
n-Nitrosodimethylamine	ND		818	2	05/17/2025 02:22	WG2516905
n-Nitrosodiphenylamine	ND		818	2	05/17/2025 02:22	WG2516905
n-Nitrosodi-n-propylamine	ND		818	2	05/17/2025 02:22	WG2516905
Phenanthrene	ND		81.8	2	05/17/2025 02:22	WG2516905
Benzylbutyl phthalate	ND		818	2	05/17/2025 02:22	WG2516905
Bis(2-ethylhexyl)phthalate	ND		818	2	05/17/2025 02:22	WG2516905
Di-n-butyl phthalate	ND		818	2	05/17/2025 02:22	WG2516905
Diethyl phthalate	ND		818	2	05/17/2025 02:22	WG2516905
Dimethyl phthalate	ND		818	2	05/17/2025 02:22	WG2516905
Di-n-octyl phthalate	ND		818	2	05/17/2025 02:22	WG2516905
1,2,4-Trichlorobenzene	ND		818	2	05/17/2025 02:22	WG2516905
4-Chloro-3-methylphenol	ND		818	2	05/17/2025 02:22	WG2516905
2-Chlorophenol	ND		818	2	05/17/2025 02:22	WG2516905
2,4-Dichlorophenol	ND		818	2	05/17/2025 02:22	WG2516905
2,4-Dimethylphenol	ND		818	2	05/17/2025 02:22	WG2516905
4,6-Dinitro-2-methylphenol	ND		818	2	05/17/2025 02:22	WG2516905
2,4-Dinitrophenol	ND	C3	818	2	05/17/2025 02:22	WG2516905
2-Nitrophenol	ND		818	2	05/17/2025 02:22	WG2516905
4-Nitrophenol	ND		818	2	05/17/2025 02:22	WG2516905
Pentachlorophenol	ND	C3	818	2	05/17/2025 02:22	WG2516905
Phenol	ND		818	2	05/17/2025 02:22	WG2516905
2,4,6-Trichlorophenol	ND		818	2	05/17/2025 02:22	WG2516905
(S) 2-Fluorophenol	*71.6*		*12.0-120*		*05/17/2025 02:22*	WG2516905
(S) Phenol-d5	*69.6*		*10.0-120*		*05/17/2025 02:22*	WG2516905
(S) Nitrobenzene-d5	*67.3*		*10.0-122*		*05/17/2025 02:22*	WG2516905
(S) 2-Fluorobiphenyl	*56.8*		*15.0-120*		*05/17/2025 02:22*	WG2516905
(S) 2,4,6-Tribromophenol	*61.0*		*10.0-127*		*05/17/2025 02:22*	WG2516905
(S) p-Terphenyl-d14	*61.1*		*10.0-120*		*05/17/2025 02:22*	WG2516905

Sample Narrative:

L1859689-14 WG2516905: Dilution due to matrix impact during extract concentration procedure

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	05/16/2025 16:44	WG2516340
Acrolein	ND	C3 J3 J4	50.0	1	05/16/2025 16:44	WG2516340
Acrylonitrile	ND		10.0	1	05/16/2025 16:44	WG2516340
Benzene	ND		1.00	1	05/16/2025 16:44	WG2516340
Bromobenzene	ND	J4	1.00	1	05/16/2025 16:44	WG2516340
Bromodichloromethane	ND		1.00	1	05/16/2025 16:44	WG2516340
Bromoform	ND		1.00	1	05/16/2025 16:44	WG2516340
Bromomethane	ND		5.00	1	05/16/2025 16:44	WG2516340
n-Butylbenzene	ND		1.00	1	05/16/2025 16:44	WG2516340
sec-Butylbenzene	ND		1.00	1	05/16/2025 16:44	WG2516340
tert-Butylbenzene	ND	J3	1.00	1	05/16/2025 16:44	WG2516340
Carbon tetrachloride	ND		1.00	1	05/16/2025 16:44	WG2516340
Chlorobenzene	ND		1.00	1	05/16/2025 16:44	WG2516340
Chlorodibromomethane	ND		1.00	1	05/16/2025 16:44	WG2516340
Chloroethane	ND	J3	5.00	1	05/16/2025 16:44	WG2516340
Chloroform	ND		5.00	1	05/16/2025 16:44	WG2516340
Chloromethane	ND		2.50	1	05/16/2025 16:44	WG2516340
2-Chlorotoluene	ND		1.00	1	05/16/2025 16:44	WG2516340
4-Chlorotoluene	ND		1.00	1	05/16/2025 16:44	WG2516340
1,2-Dibromo-3-Chloropropane	ND		5.00	1	05/16/2025 16:44	WG2516340
1,2-Dibromoethane	ND		1.00	1	05/16/2025 16:44	WG2516340
Dibromomethane	ND		1.00	1	05/16/2025 16:44	WG2516340
1,2-Dichlorobenzene	ND		1.00	1	05/16/2025 16:44	WG2516340
1,3-Dichlorobenzene	ND		1.00	1	05/16/2025 16:44	WG2516340
1,4-Dichlorobenzene	ND		1.00	1	05/16/2025 16:44	WG2516340
Dichlorodifluoromethane	ND		5.00	1	05/16/2025 16:44	WG2516340
1,1-Dichloroethane	ND		1.00	1	05/16/2025 16:44	WG2516340
1,2-Dichloroethane	ND		1.00	1	05/16/2025 16:44	WG2516340
1,1-Dichloroethene	ND		1.00	1	05/16/2025 16:44	WG2516340
cis-1,2-Dichloroethene	ND		1.00	1	05/16/2025 16:44	WG2516340
trans-1,2-Dichloroethene	ND		1.00	1	05/16/2025 16:44	WG2516340
1,2-Dichloropropane	ND		1.00	1	05/16/2025 16:44	WG2516340
1,1-Dichloropropene	ND		1.00	1	05/16/2025 16:44	WG2516340
1,3-Dichloropropane	ND	J4	1.00	1	05/16/2025 16:44	WG2516340
cis-1,3-Dichloropropene	ND		1.00	1	05/16/2025 16:44	WG2516340
trans-1,3-Dichloropropene	ND		1.00	1	05/16/2025 16:44	WG2516340
2,2-Dichloropropane	ND	J3	1.00	1	05/16/2025 16:44	WG2516340
Di-isopropyl ether	ND		1.00	1	05/16/2025 16:44	WG2516340
Ethylbenzene	ND	J3	1.00	1	05/16/2025 16:44	WG2516340
Hexachloro-1,3-butadiene	ND		1.00	1	05/16/2025 16:44	WG2516340
Isopropylbenzene	ND	J3	1.00	1	05/16/2025 16:44	WG2516340
p-Isopropyltoluene	ND		1.00	1	05/16/2025 16:44	WG2516340
2-Butanone (MEK)	ND		10.0	1	05/16/2025 16:44	WG2516340
Methylene Chloride	ND		5.00	1	05/16/2025 16:44	WG2516340
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	05/16/2025 16:44	WG2516340
Methyl tert-butyl ether	ND		1.00	1	05/16/2025 16:44	WG2516340
Naphthalene	ND	C3	5.00	1	05/16/2025 16:44	WG2516340
n-Propylbenzene	ND		1.00	1	05/16/2025 16:44	WG2516340
Styrene	ND	J3	1.00	1	05/16/2025 16:44	WG2516340
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/16/2025 16:44	WG2516340
1,1,2,2-Tetrachloroethane	ND		1.00	1	05/16/2025 16:44	WG2516340
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	05/16/2025 16:44	WG2516340
Tetrachloroethene	ND	J3	1.00	1	05/16/2025 16:44	WG2516340
Toluene	ND	J3	1.00	1	05/16/2025 16:44	WG2516340
1,2,3-Trichlorobenzene	ND	C3	1.00	1	05/16/2025 16:44	WG2516340
1,2,4-Trichlorobenzene	ND	C3	1.00	1	05/16/2025 16:44	WG2516340

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		1.00	1	05/16/2025 16:44	WG2516340
1,1,2-Trichloroethane	ND		1.00	1	05/16/2025 16:44	WG2516340
Trichloroethene	ND	J3	1.00	1	05/16/2025 16:44	WG2516340
Trichlorofluoromethane	ND		5.00	1	05/16/2025 16:44	WG2516340
1,2,3-Trichloropropane	ND		2.50	1	05/16/2025 16:44	WG2516340
1,2,4-Trimethylbenzene	ND		1.00	1	05/16/2025 16:44	WG2516340
1,2,3-Trimethylbenzene	ND	J3	1.00	1	05/16/2025 16:44	WG2516340
1,3,5-Trimethylbenzene	ND		1.00	1	05/16/2025 16:44	WG2516340
Vinyl chloride	ND		1.00	1	05/16/2025 16:44	WG2516340
Xylenes, Total	ND		3.00	1	05/16/2025 16:44	WG2516340
(S) Toluene-d8	*103*		*80.0-120*		*05/16/2025 16:44*	WG2516340
(S) 4-Bromofluorobenzene	*96.9*		*77.0-126*		*05/16/2025 16:44*	WG2516340
(S) 1,2-Dichloroethane-d4	*108*		*70.0-130*		*05/16/2025 16:44*	WG2516340

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	2180000		24600	1	05/18/2025 19:47	WG2516935

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.3		1	05/16/2025 16:17	WG2516924

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		12300	1	05/18/2025 18:29	WG2517044

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	2180000		123000	5	05/18/2025 19:47	WG2517187

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		24600	1	05/17/2025 02:31	WG2516935

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	27000000		500000	5	05/17/2025 15:07	WG2516927

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	3170000		24600	1	05/16/2025 20:33	WG2516925
Antimony	ND		2460	1	05/16/2025 20:33	WG2516925
Beryllium	374		246	1	05/16/2025 20:33	WG2516925
Calcium	15100000		123000	1	05/16/2025 20:33	WG2516925
Cobalt	2730		1230	1	05/16/2025 20:33	WG2516925
Iron	4690000		12300	1	05/16/2025 20:33	WG2516925
Magnesium	2390000		123000	1	05/16/2025 20:33	WG2516925
Manganese	202000		1230	1	05/16/2025 20:33	WG2516925
Potassium	2490000		123000	1	05/16/2025 20:33	WG2516925
Sodium	ND		123000	1	05/16/2025 20:33	WG2516925
Thallium	ND		2460	1	05/16/2025 20:33	WG2516925
Vanadium	9810		2460	1	05/16/2025 20:33	WG2516925

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	ND		73.0	1	05/16/2025 17:48	WG2516912
Acrylonitrile	ND	J3	18.2	1	05/16/2025 17:48	WG2516912
Bromobenzene	ND		18.2	1	05/16/2025 17:48	WG2516912
Bromodichloromethane	ND		3.65	1	05/16/2025 17:48	WG2516912
Bromoform	ND		36.5	1	05/16/2025 17:48	WG2516912
Bromomethane	ND	C3	18.2	1	05/16/2025 17:48	WG2516912

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
n-Butylbenzene	ND		18.2	1	05/16/2025 17:48	WG2516912
sec-Butylbenzene	ND		18.2	1	05/16/2025 17:48	WG2516912
tert-Butylbenzene	ND		7.30	1	05/16/2025 17:48	WG2516912
Carbon tetrachloride	ND		7.30	1	05/16/2025 17:48	WG2516912
Chlorobenzene	ND		3.65	1	05/16/2025 17:48	WG2516912
Chlorodibromomethane	ND		3.65	1	05/16/2025 17:48	WG2516912
Chloroethane	ND		7.30	1	05/16/2025 17:48	WG2516912
Chloroform	ND		3.65	1	05/16/2025 17:48	WG2516912
Chloromethane	ND		18.2	1	05/16/2025 17:48	WG2516912
2-Chlorotoluene	ND		3.65	1	05/16/2025 17:48	WG2516912
4-Chlorotoluene	ND		7.30	1	05/16/2025 17:48	WG2516912
1,2-Dibromo-3-Chloropropane	ND	J3	36.5	1	05/16/2025 17:48	WG2516912
1,2-Dibromoethane	ND		3.65	1	05/16/2025 17:48	WG2516912
Dibromomethane	ND		7.30	1	05/16/2025 17:48	WG2516912
1,2-Dichlorobenzene	ND		7.30	1	05/16/2025 17:48	WG2516912
1,3-Dichlorobenzene	ND		7.30	1	05/16/2025 17:48	WG2516912
1,4-Dichlorobenzene	ND		7.30	1	05/16/2025 17:48	WG2516912
Dichlorodifluoromethane	ND		7.30	1	05/16/2025 17:48	WG2516912
1,1-Dichloroethane	ND		3.65	1	05/16/2025 17:48	WG2516912
1,2-Dichloroethane	ND		3.65	1	05/16/2025 17:48	WG2516912
1,1-Dichloroethene	ND		3.65	1	05/16/2025 17:48	WG2516912
cis-1,2-Dichloroethene	ND		3.65	1	05/16/2025 17:48	WG2516912
trans-1,2-Dichloroethene	ND		7.30	1	05/16/2025 17:48	WG2516912
1,2-Dichloropropane	ND		7.30	1	05/16/2025 17:48	WG2516912
1,1-Dichloropropene	ND		3.65	1	05/16/2025 17:48	WG2516912
1,3-Dichloropropane	ND		7.30	1	05/16/2025 17:48	WG2516912
cis-1,3-Dichloropropene	ND		3.65	1	05/16/2025 17:48	WG2516912
trans-1,3-Dichloropropene	ND		7.30	1	05/16/2025 17:48	WG2516912
2,2-Dichloropropane	ND		3.65	1	05/16/2025 17:48	WG2516912
Di-isopropyl ether	ND		1.46	1	05/16/2025 17:48	WG2516912
Hexachloro-1,3-butadiene	ND		36.5	1	05/16/2025 17:48	WG2516912
Isopropylbenzene	ND		3.65	1	05/16/2025 17:48	WG2516912
p-Isopropyltoluene	ND		7.30	1	05/16/2025 17:48	WG2516912
2-Butanone (MEK)	ND	J3	146	1	05/16/2025 17:48	WG2516912
Methylene Chloride	ND		36.5	1	05/16/2025 17:48	WG2516912
4-Methyl-2-pentanone (MIBK)	ND		36.5	1	05/16/2025 17:48	WG2516912
Methyl tert-butyl ether	ND		1.46	1	05/16/2025 17:48	WG2516912
n-Propylbenzene	ND		7.30	1	05/16/2025 17:48	WG2516912
Styrene	ND		18.2	1	05/16/2025 17:48	WG2516912
1,1,1,2-Tetrachloroethane	ND		3.65	1	05/16/2025 17:48	WG2516912
1,1,2,2-Tetrachloroethane	ND		3.65	1	05/16/2025 17:48	WG2516912
1,1,2-Trichlorotrifluoroethane	ND		3.65	1	05/16/2025 17:48	WG2516912
Tetrachloroethene	ND		3.65	1	05/16/2025 17:48	WG2516912
1,2,3-Trichlorobenzene	ND		18.2	1	05/16/2025 17:48	WG2516912
1,2,4-Trichlorobenzene	ND		18.2	1	05/16/2025 17:48	WG2516912
1,1,1-Trichloroethane	ND		3.65	1	05/16/2025 17:48	WG2516912
1,1,2-Trichloroethane	ND		3.65	1	05/16/2025 17:48	WG2516912
Trichloroethene	ND		1.46	1	05/16/2025 17:48	WG2516912
Trichlorofluoromethane	ND		3.65	1	05/16/2025 17:48	WG2516912
1,2,3-Trichloropropane	ND		18.2	1	05/16/2025 17:48	WG2516912
1,2,3-Trimethylbenzene	ND		7.30	1	05/16/2025 17:48	WG2516912
Vinyl chloride	ND		3.65	1	05/16/2025 17:48	WG2516912
(S) Toluene-d8	*103*		*75.0-131*		*05/16/2025 17:48*	WG2516912
(S) 4-Bromofluorobenzene	*101*		*67.0-138*		*05/16/2025 17:48*	WG2516912
(S) 1,2-Dichloroethane-d4	*94.4*		*70.0-130*		*05/16/2025 17:48*	WG2516912

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		81.9	2	05/17/2025 02:01	WG2516905
Benzidine	ND		4110	2	05/17/2025 02:01	WG2516905
Benzo(g,h,i)perylene	ND		81.9	2	05/17/2025 02:01	WG2516905
Bis(2-chlorethoxy)methane	ND		819	2	05/17/2025 02:01	WG2516905
Bis(2-chloroethyl)ether	ND		819	2	05/17/2025 02:01	WG2516905
2,2-Oxybis(1-Chloropropane)	ND		819	2	05/17/2025 02:01	WG2516905
4-Bromophenyl-phenylether	ND		819	2	05/17/2025 02:01	WG2516905
2-Chloronaphthalene	ND		81.9	2	05/17/2025 02:01	WG2516905
4-Chlorophenyl-phenylether	ND		819	2	05/17/2025 02:01	WG2516905
1,2-Dichlorobenzene	ND		819	2	05/17/2025 02:01	WG2516905
1,3-Dichlorobenzene	ND		819	2	05/17/2025 02:01	WG2516905
1,4-Dichlorobenzene	ND		819	2	05/17/2025 02:01	WG2516905
3,3-Dichlorobenzidine	ND		819	2	05/17/2025 02:01	WG2516905
2,4-Dinitrotoluene	ND		819	2	05/17/2025 02:01	WG2516905
2,6-Dinitrotoluene	ND		819	2	05/17/2025 02:01	WG2516905
Hexachlorobenzene	ND		819	2	05/17/2025 02:01	WG2516905
Hexachloro-1,3-butadiene	ND		819	2	05/17/2025 02:01	WG2516905
Hexachlorocyclopentadiene	ND	C7	819	2	05/17/2025 02:01	WG2516905
Hexachloroethane	ND		819	2	05/17/2025 02:01	WG2516905
Isophorone	ND		819	2	05/17/2025 02:01	WG2516905
Nitrobenzene	ND		819	2	05/17/2025 02:01	WG2516905
n-Nitrosodimethylamine	ND		819	2	05/17/2025 02:01	WG2516905
n-Nitrosodiphenylamine	ND		819	2	05/17/2025 02:01	WG2516905
n-Nitrosodi-n-propylamine	ND		819	2	05/17/2025 02:01	WG2516905
Phenanthrene	ND		81.9	2	05/17/2025 02:01	WG2516905
Benzylbutyl phthalate	ND		819	2	05/17/2025 02:01	WG2516905
Bis(2-ethylhexyl)phthalate	ND		819	2	05/17/2025 02:01	WG2516905
Di-n-butyl phthalate	ND		819	2	05/17/2025 02:01	WG2516905
Diethyl phthalate	ND		819	2	05/17/2025 02:01	WG2516905
Dimethyl phthalate	ND		819	2	05/17/2025 02:01	WG2516905
Di-n-octyl phthalate	ND		819	2	05/17/2025 02:01	WG2516905
1,2,4-Trichlorobenzene	ND		819	2	05/17/2025 02:01	WG2516905
4-Chloro-3-methylphenol	ND		819	2	05/17/2025 02:01	WG2516905
2-Chlorophenol	ND		819	2	05/17/2025 02:01	WG2516905
2,4-Dichlorophenol	ND		819	2	05/17/2025 02:01	WG2516905
2,4-Dimethylphenol	ND		819	2	05/17/2025 02:01	WG2516905
4,6-Dinitro-2-methylphenol	ND		819	2	05/17/2025 02:01	WG2516905
2,4-Dinitrophenol	ND	C3	819	2	05/17/2025 02:01	WG2516905
2-Nitrophenol	ND		819	2	05/17/2025 02:01	WG2516905
4-Nitrophenol	ND		819	2	05/17/2025 02:01	WG2516905
Pentachlorophenol	ND	C3	819	2	05/17/2025 02:01	WG2516905
Phenol	ND		819	2	05/17/2025 02:01	WG2516905
2,4,6-Trichlorophenol	ND		819	2	05/17/2025 02:01	WG2516905
(S) 2-Fluorophenol	*69.0*		*12.0-120*		*05/17/2025 02:01*	WG2516905
(S) Phenol-d5	*68.1*		*10.0-120*		*05/17/2025 02:01*	WG2516905
(S) Nitrobenzene-d5	*65.1*		*10.0-122*		*05/17/2025 02:01*	WG2516905
(S) 2-Fluorobiphenyl	*54.7*		*15.0-120*		*05/17/2025 02:01*	WG2516905
(S) 2,4,6-Tribromophenol	*56.0*		*10.0-127*		*05/17/2025 02:01*	WG2516905
(S) p-Terphenyl-d14	*58.8*		*10.0-120*		*05/17/2025 02:01*	WG2516905

Sample Narrative:

L1859689-16 WG2516905: Dilution due to matrix impact during extract concentration procedure

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1030000		23500	1	05/18/2025 19:47	WG2516935

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.1		1	05/16/2025 16:17	WG2516924

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11800	1	05/18/2025 18:35	WG2517044

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1030000		118000	5	05/18/2025 19:47	WG2517187

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		23500	1	05/17/2025 02:47	WG2516935

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	17100000		1000000	10	05/17/2025 15:08	WG2516927

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	3710000		23500	1	05/16/2025 21:01	WG2516931
Antimony	ND		2350	1	05/16/2025 21:01	WG2516931
Beryllium	419		235	1	05/16/2025 21:01	WG2516931
Calcium	12800000		118000	1	05/16/2025 21:01	WG2516931
Cobalt	4810		1180	1	05/16/2025 21:01	WG2516931
Iron	6020000		11800	1	05/16/2025 21:01	WG2516931
Magnesium	1980000		118000	1	05/16/2025 21:01	WG2516931
Manganese	207000		1180	1	05/16/2025 21:01	WG2516931
Potassium	935000		118000	1	05/16/2025 21:01	WG2516931
Sodium	ND		118000	1	05/16/2025 21:01	WG2516931
Thallium	ND		2350	1	05/16/2025 21:01	WG2516931
Vanadium	10800		2350	1	05/16/2025 21:01	WG2516931

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	ND		67.6	1	05/16/2025 18:07	WG2516912
Acrylonitrile	ND	J3	16.9	1	05/16/2025 18:07	WG2516912
Bromobenzene	ND		16.9	1	05/16/2025 18:07	WG2516912
Bromodichloromethane	ND		3.38	1	05/16/2025 18:07	WG2516912
Bromoform	ND		33.8	1	05/16/2025 18:07	WG2516912
Bromomethane	ND	C3	16.9	1	05/16/2025 18:07	WG2516912

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
n-Butylbenzene	ND		16.9	1	05/16/2025 18:07	WG2516912
sec-Butylbenzene	ND		16.9	1	05/16/2025 18:07	WG2516912
tert-Butylbenzene	ND		6.76	1	05/16/2025 18:07	WG2516912
Carbon tetrachloride	ND		6.76	1	05/16/2025 18:07	WG2516912
Chlorobenzene	ND		3.38	1	05/16/2025 18:07	WG2516912
Chlorodibromomethane	ND		3.38	1	05/16/2025 18:07	WG2516912
Chloroethane	ND		6.76	1	05/16/2025 18:07	WG2516912
Chloroform	ND		3.38	1	05/16/2025 18:07	WG2516912
Chloromethane	ND		16.9	1	05/16/2025 18:07	WG2516912
2-Chlorotoluene	ND		3.38	1	05/16/2025 18:07	WG2516912
4-Chlorotoluene	ND		6.76	1	05/16/2025 18:07	WG2516912
1,2-Dibromo-3-Chloropropane	ND	J3	33.8	1	05/16/2025 18:07	WG2516912
1,2-Dibromoethane	ND		3.38	1	05/16/2025 18:07	WG2516912
Dibromomethane	ND		6.76	1	05/16/2025 18:07	WG2516912
1,2-Dichlorobenzene	ND		6.76	1	05/16/2025 18:07	WG2516912
1,3-Dichlorobenzene	ND		6.76	1	05/16/2025 18:07	WG2516912
1,4-Dichlorobenzene	ND		6.76	1	05/16/2025 18:07	WG2516912
Dichlorodifluoromethane	ND		6.76	1	05/16/2025 18:07	WG2516912
1,1-Dichloroethane	ND		3.38	1	05/16/2025 18:07	WG2516912
1,2-Dichloroethane	ND		3.38	1	05/16/2025 18:07	WG2516912
1,1-Dichloroethene	ND		3.38	1	05/16/2025 18:07	WG2516912
cis-1,2-Dichloroethene	ND		3.38	1	05/16/2025 18:07	WG2516912
trans-1,2-Dichloroethene	ND		6.76	1	05/16/2025 18:07	WG2516912
1,2-Dichloropropane	ND		6.76	1	05/16/2025 18:07	WG2516912
1,1-Dichloropropene	ND		3.38	1	05/16/2025 18:07	WG2516912
1,3-Dichloropropane	ND		6.76	1	05/16/2025 18:07	WG2516912
cis-1,3-Dichloropropene	ND		3.38	1	05/16/2025 18:07	WG2516912
trans-1,3-Dichloropropene	ND		6.76	1	05/16/2025 18:07	WG2516912
2,2-Dichloropropane	ND		3.38	1	05/16/2025 18:07	WG2516912
Di-isopropyl ether	ND		1.35	1	05/16/2025 18:07	WG2516912
Hexachloro-1,3-butadiene	ND		33.8	1	05/16/2025 18:07	WG2516912
Isopropylbenzene	ND		3.38	1	05/16/2025 18:07	WG2516912
p-Isopropyltoluene	ND		6.76	1	05/16/2025 18:07	WG2516912
2-Butanone (MEK)	ND	J3	135	1	05/16/2025 18:07	WG2516912
Methylene Chloride	ND		33.8	1	05/16/2025 18:07	WG2516912
4-Methyl-2-pentanone (MIBK)	ND		33.8	1	05/16/2025 18:07	WG2516912
Methyl tert-butyl ether	ND		1.35	1	05/16/2025 18:07	WG2516912
n-Propylbenzene	ND		6.76	1	05/16/2025 18:07	WG2516912
Styrene	ND		16.9	1	05/16/2025 18:07	WG2516912
1,1,1,2-Tetrachloroethane	ND		3.38	1	05/16/2025 18:07	WG2516912
1,1,2,2-Tetrachloroethane	ND		3.38	1	05/16/2025 18:07	WG2516912
1,1,2-Trichlorotrifluoroethane	ND		3.38	1	05/16/2025 18:07	WG2516912
Tetrachloroethene	ND		3.38	1	05/16/2025 18:07	WG2516912
1,2,3-Trichlorobenzene	ND		16.9	1	05/16/2025 18:07	WG2516912
1,2,4-Trichlorobenzene	ND		16.9	1	05/16/2025 18:07	WG2516912
1,1,1-Trichloroethane	ND		3.38	1	05/16/2025 18:07	WG2516912
1,1,2-Trichloroethane	ND		3.38	1	05/16/2025 18:07	WG2516912
Trichloroethene	ND		1.35	1	05/16/2025 18:07	WG2516912
Trichlorofluoromethane	ND		3.38	1	05/16/2025 18:07	WG2516912
1,2,3-Trichloropropane	ND		16.9	1	05/16/2025 18:07	WG2516912
1,2,3-Trimethylbenzene	ND		6.76	1	05/16/2025 18:07	WG2516912
Vinyl chloride	ND		3.38	1	05/16/2025 18:07	WG2516912
(S) Toluene-d8	*101*		*75.0-131*		*05/16/2025 18:07*	WG2516912
(S) 4-Bromofluorobenzene	*97.1*		*67.0-138*		*05/16/2025 18:07*	WG2516912
(S) 1,2-Dichloroethane-d4	*94.8*		*70.0-130*		*05/16/2025 18:07*	WG2516912

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		78.3	2	05/17/2025 01:20	WG2516905
Benzidine	ND		3930	2	05/17/2025 01:20	WG2516905
Benzo(g,h,i)perylene	ND		78.3	2	05/17/2025 01:20	WG2516905
Bis(2-chlorethoxy)methane	ND		783	2	05/17/2025 01:20	WG2516905
Bis(2-chloroethyl)ether	ND		783	2	05/17/2025 01:20	WG2516905
2,2-Oxybis(1-Chloropropane)	ND		783	2	05/17/2025 01:20	WG2516905
4-Bromophenyl-phenylether	ND		783	2	05/17/2025 01:20	WG2516905
2-Chloronaphthalene	ND		78.3	2	05/17/2025 01:20	WG2516905
4-Chlorophenyl-phenylether	ND		783	2	05/17/2025 01:20	WG2516905
1,2-Dichlorobenzene	ND		783	2	05/17/2025 01:20	WG2516905
1,3-Dichlorobenzene	ND		783	2	05/17/2025 01:20	WG2516905
1,4-Dichlorobenzene	ND		783	2	05/17/2025 01:20	WG2516905
3,3-Dichlorobenzidine	ND		783	2	05/17/2025 01:20	WG2516905
2,4-Dinitrotoluene	ND		783	2	05/17/2025 01:20	WG2516905
2,6-Dinitrotoluene	ND		783	2	05/17/2025 01:20	WG2516905
Hexachlorobenzene	ND		783	2	05/17/2025 01:20	WG2516905
Hexachloro-1,3-butadiene	ND		783	2	05/17/2025 01:20	WG2516905
Hexachlorocyclopentadiene	ND	C7	783	2	05/17/2025 01:20	WG2516905
Hexachloroethane	ND		783	2	05/17/2025 01:20	WG2516905
Isophorone	ND		783	2	05/17/2025 01:20	WG2516905
Nitrobenzene	ND		783	2	05/17/2025 01:20	WG2516905
n-Nitrosodimethylamine	ND		783	2	05/17/2025 01:20	WG2516905
n-Nitrosodiphenylamine	ND		783	2	05/17/2025 01:20	WG2516905
n-Nitrosodi-n-propylamine	ND		783	2	05/17/2025 01:20	WG2516905
Phenanthrene	ND		78.3	2	05/17/2025 01:20	WG2516905
Benzylbutyl phthalate	ND		783	2	05/17/2025 01:20	WG2516905
Bis(2-ethylhexyl)phthalate	ND		783	2	05/17/2025 01:20	WG2516905
Di-n-butyl phthalate	ND		783	2	05/17/2025 01:20	WG2516905
Diethyl phthalate	ND		783	2	05/17/2025 01:20	WG2516905
Dimethyl phthalate	ND		783	2	05/17/2025 01:20	WG2516905
Di-n-octyl phthalate	ND		783	2	05/17/2025 01:20	WG2516905
1,2,4-Trichlorobenzene	ND		783	2	05/17/2025 01:20	WG2516905
4-Chloro-3-methylphenol	ND		783	2	05/17/2025 01:20	WG2516905
2-Chlorophenol	ND		783	2	05/17/2025 01:20	WG2516905
2,4-Dichlorophenol	ND		783	2	05/17/2025 01:20	WG2516905
2,4-Dimethylphenol	ND		783	2	05/17/2025 01:20	WG2516905
4,6-Dinitro-2-methylphenol	ND		783	2	05/17/2025 01:20	WG2516905
2,4-Dinitrophenol	ND	C3	783	2	05/17/2025 01:20	WG2516905
2-Nitrophenol	ND		783	2	05/17/2025 01:20	WG2516905
4-Nitrophenol	ND		783	2	05/17/2025 01:20	WG2516905
Pentachlorophenol	ND	C3	783	2	05/17/2025 01:20	WG2516905
Phenol	ND		783	2	05/17/2025 01:20	WG2516905
2,4,6-Trichlorophenol	ND		783	2	05/17/2025 01:20	WG2516905
(S) 2-Fluorophenol	*71.9*		*12.0-120*		*05/17/2025 01:20*	WG2516905
(S) Phenol-d5	*72.0*		*10.0-120*		*05/17/2025 01:20*	WG2516905
(S) Nitrobenzene-d5	*68.0*		*10.0-122*		*05/17/2025 01:20*	WG2516905
(S) 2-Fluorobiphenyl	*59.9*		*15.0-120*		*05/17/2025 01:20*	WG2516905
(S) 2,4,6-Tribromophenol	*61.4*		*10.0-127*		*05/17/2025 01:20*	WG2516905
(S) p-Terphenyl-d14	*63.4*		*10.0-120*		*05/17/2025 01:20*	WG2516905

Sample Narrative:

L1859689-17 WG2516905: Dilution due to matrix impact during extract concentration procedure

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	482000		22600	1	05/18/2025 19:49	WG2516935

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.5		1	05/16/2025 16:17	WG2516924

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11300	1	05/18/2025 18:36	WG2517044

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	476000		113000	5	05/18/2025 19:49	WG2517187

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		22600	1	05/17/2025 03:04	WG2516935

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	6580000		500000	5	05/17/2025 15:08	WG2516927

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	1980000		22600	1	05/16/2025 21:04	WG2516931
Antimony	ND		2260	1	05/16/2025 21:04	WG2516931
Beryllium	276		226	1	05/16/2025 21:04	WG2516931
Calcium	14700000		113000	1	05/16/2025 21:04	WG2516931
Cobalt	2110		1130	1	05/16/2025 21:04	WG2516931
Iron	3410000		11300	1	05/16/2025 21:04	WG2516931
Magnesium	1570000		113000	1	05/16/2025 21:04	WG2516931
Manganese	139000		1130	1	05/16/2025 21:04	WG2516931
Potassium	1110000		113000	1	05/16/2025 21:04	WG2516931
Sodium	134000		113000	1	05/16/2025 21:04	WG2516931
Thallium	ND		2260	1	05/16/2025 21:04	WG2516931
Vanadium	7670		2260	1	05/16/2025 21:04	WG2516931

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	ND		63.0	1	05/16/2025 18:26	WG2516912
Acrylonitrile	ND	J3	15.7	1	05/16/2025 18:26	WG2516912
Bromobenzene	ND		15.7	1	05/16/2025 18:26	WG2516912
Bromodichloromethane	ND		3.15	1	05/16/2025 18:26	WG2516912
Bromoform	ND		31.5	1	05/16/2025 18:26	WG2516912
Bromomethane	ND	C3	15.7	1	05/16/2025 18:26	WG2516912

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
n-Butylbenzene	ND		15.7	1	05/16/2025 18:26	WG2516912
sec-Butylbenzene	ND		15.7	1	05/16/2025 18:26	WG2516912
tert-Butylbenzene	ND		6.30	1	05/16/2025 18:26	WG2516912
Carbon tetrachloride	ND		6.30	1	05/16/2025 18:26	WG2516912
Chlorobenzene	ND		3.15	1	05/16/2025 18:26	WG2516912
Chlorodibromomethane	ND		3.15	1	05/16/2025 18:26	WG2516912
Chloroethane	ND		6.30	1	05/16/2025 18:26	WG2516912
Chloroform	ND		3.15	1	05/16/2025 18:26	WG2516912
Chloromethane	ND		15.7	1	05/16/2025 18:26	WG2516912
2-Chlorotoluene	ND		3.15	1	05/16/2025 18:26	WG2516912
4-Chlorotoluene	ND		6.30	1	05/16/2025 18:26	WG2516912
1,2-Dibromo-3-Chloropropane	ND	J3	31.5	1	05/16/2025 18:26	WG2516912
1,2-Dibromoethane	ND		3.15	1	05/16/2025 18:26	WG2516912
Dibromomethane	ND		6.30	1	05/16/2025 18:26	WG2516912
1,2-Dichlorobenzene	ND		6.30	1	05/16/2025 18:26	WG2516912
1,3-Dichlorobenzene	ND		6.30	1	05/16/2025 18:26	WG2516912
1,4-Dichlorobenzene	ND		6.30	1	05/16/2025 18:26	WG2516912
Dichlorodifluoromethane	ND		6.30	1	05/16/2025 18:26	WG2516912
1,1-Dichloroethane	ND		3.15	1	05/16/2025 18:26	WG2516912
1,2-Dichloroethane	ND		3.15	1	05/16/2025 18:26	WG2516912
1,1-Dichloroethene	ND		3.15	1	05/16/2025 18:26	WG2516912
cis-1,2-Dichloroethene	ND		3.15	1	05/16/2025 18:26	WG2516912
trans-1,2-Dichloroethene	ND		6.30	1	05/16/2025 18:26	WG2516912
1,2-Dichloropropane	ND		6.30	1	05/16/2025 18:26	WG2516912
1,1-Dichloropropene	ND		3.15	1	05/16/2025 18:26	WG2516912
1,3-Dichloropropane	ND		6.30	1	05/16/2025 18:26	WG2516912
cis-1,3-Dichloropropene	ND		3.15	1	05/16/2025 18:26	WG2516912
trans-1,3-Dichloropropene	ND		6.30	1	05/16/2025 18:26	WG2516912
2,2-Dichloropropane	ND		3.15	1	05/16/2025 18:26	WG2516912
Di-isopropyl ether	ND		1.26	1	05/16/2025 18:26	WG2516912
Hexachloro-1,3-butadiene	ND		31.5	1	05/16/2025 18:26	WG2516912
Isopropylbenzene	ND		3.15	1	05/16/2025 18:26	WG2516912
p-Isopropyltoluene	ND		6.30	1	05/16/2025 18:26	WG2516912
2-Butanone (MEK)	ND	J3	126	1	05/16/2025 18:26	WG2516912
Methylene Chloride	ND		31.5	1	05/16/2025 18:26	WG2516912
4-Methyl-2-pentanone (MIBK)	ND		31.5	1	05/16/2025 18:26	WG2516912
Methyl tert-butyl ether	ND		1.26	1	05/16/2025 18:26	WG2516912
n-Propylbenzene	ND		6.30	1	05/16/2025 18:26	WG2516912
Styrene	ND		15.7	1	05/16/2025 18:26	WG2516912
1,1,1,2-Tetrachloroethane	ND		3.15	1	05/16/2025 18:26	WG2516912
1,1,2,2-Tetrachloroethane	ND		3.15	1	05/16/2025 18:26	WG2516912
1,1,2-Trichlorotrifluoroethane	ND		3.15	1	05/16/2025 18:26	WG2516912
Tetrachloroethene	ND		3.15	1	05/16/2025 18:26	WG2516912
1,2,3-Trichlorobenzene	ND		15.7	1	05/16/2025 18:26	WG2516912
1,2,4-Trichlorobenzene	ND		15.7	1	05/16/2025 18:26	WG2516912
1,1,1-Trichloroethane	ND		3.15	1	05/16/2025 18:26	WG2516912
1,1,2-Trichloroethane	ND		3.15	1	05/16/2025 18:26	WG2516912
Trichloroethene	ND		1.26	1	05/16/2025 18:26	WG2516912
Trichlorofluoromethane	ND		3.15	1	05/16/2025 18:26	WG2516912
1,2,3-Trichloropropane	ND		15.7	1	05/16/2025 18:26	WG2516912
1,2,3-Trimethylbenzene	ND		6.30	1	05/16/2025 18:26	WG2516912
Vinyl chloride	ND		3.15	1	05/16/2025 18:26	WG2516912
(S) Toluene-d8	*102*		*75.0-131*		*05/16/2025 18:26*	WG2516912
(S) 4-Bromofluorobenzene	*98.6*		*67.0-138*		*05/16/2025 18:26*	WG2516912
(S) 1,2-Dichloroethane-d4	*96.0*		*70.0-130*		*05/16/2025 18:26*	WG2516912

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		75.2	2	05/16/2025 21:30	WG2516905
Benzidine	ND		3770	2	05/16/2025 21:30	WG2516905
Benzo(g,h,i)perylene	ND		75.2	2	05/16/2025 21:30	WG2516905
Bis(2-chlorethoxy)methane	ND		752	2	05/16/2025 21:30	WG2516905
Bis(2-chloroethyl)ether	ND		752	2	05/16/2025 21:30	WG2516905
2,2-Oxybis(1-Chloropropane)	ND		752	2	05/16/2025 21:30	WG2516905
4-Bromophenyl-phenylether	ND		752	2	05/16/2025 21:30	WG2516905
2-Chloronaphthalene	ND		75.2	2	05/16/2025 21:30	WG2516905
4-Chlorophenyl-phenylether	ND		752	2	05/16/2025 21:30	WG2516905
1,2-Dichlorobenzene	ND		752	2	05/16/2025 21:30	WG2516905
1,3-Dichlorobenzene	ND		752	2	05/16/2025 21:30	WG2516905
1,4-Dichlorobenzene	ND		752	2	05/16/2025 21:30	WG2516905
3,3-Dichlorobenzidine	ND		752	2	05/16/2025 21:30	WG2516905
2,4-Dinitrotoluene	ND		752	2	05/16/2025 21:30	WG2516905
2,6-Dinitrotoluene	ND		752	2	05/16/2025 21:30	WG2516905
Hexachlorobenzene	ND		752	2	05/16/2025 21:30	WG2516905
Hexachloro-1,3-butadiene	ND		752	2	05/16/2025 21:30	WG2516905
Hexachlorocyclopentadiene	ND	C7	752	2	05/16/2025 21:30	WG2516905
Hexachloroethane	ND		752	2	05/16/2025 21:30	WG2516905
Isophorone	ND		752	2	05/16/2025 21:30	WG2516905
Nitrobenzene	ND		752	2	05/16/2025 21:30	WG2516905
n-Nitrosodimethylamine	ND		752	2	05/16/2025 21:30	WG2516905
n-Nitrosodiphenylamine	ND		752	2	05/16/2025 21:30	WG2516905
n-Nitrosodi-n-propylamine	ND		752	2	05/16/2025 21:30	WG2516905
Phenanthrene	ND		75.2	2	05/16/2025 21:30	WG2516905
Benzylbutyl phthalate	ND		752	2	05/16/2025 21:30	WG2516905
Bis(2-ethylhexyl)phthalate	ND		752	2	05/16/2025 21:30	WG2516905
Di-n-butyl phthalate	ND		752	2	05/16/2025 21:30	WG2516905
Diethyl phthalate	ND		752	2	05/16/2025 21:30	WG2516905
Dimethyl phthalate	ND		752	2	05/16/2025 21:30	WG2516905
Di-n-octyl phthalate	ND		752	2	05/16/2025 21:30	WG2516905
1,2,4-Trichlorobenzene	ND		752	2	05/16/2025 21:30	WG2516905
4-Chloro-3-methylphenol	ND		752	2	05/16/2025 21:30	WG2516905
2-Chlorophenol	ND		752	2	05/16/2025 21:30	WG2516905
2,4-Dichlorophenol	ND		752	2	05/16/2025 21:30	WG2516905
2,4-Dimethylphenol	ND		752	2	05/16/2025 21:30	WG2516905
4,6-Dinitro-2-methylphenol	ND		752	2	05/16/2025 21:30	WG2516905
2,4-Dinitrophenol	ND	C3	752	2	05/16/2025 21:30	WG2516905
2-Nitrophenol	ND		752	2	05/16/2025 21:30	WG2516905
4-Nitrophenol	ND		752	2	05/16/2025 21:30	WG2516905
Pentachlorophenol	ND	C3	752	2	05/16/2025 21:30	WG2516905
Phenol	ND		752	2	05/16/2025 21:30	WG2516905
2,4,6-Trichlorophenol	ND		752	2	05/16/2025 21:30	WG2516905
(S) 2-Fluorophenol	*76.1*		*12.0-120*		*05/16/2025 21:30*	WG2516905
(S) Phenol-d5	*74.7*		*10.0-120*		*05/16/2025 21:30*	WG2516905
(S) Nitrobenzene-d5	*71.0*		*10.0-122*		*05/16/2025 21:30*	WG2516905
(S) 2-Fluorobiphenyl	*60.4*		*15.0-120*		*05/16/2025 21:30*	WG2516905
(S) 2,4,6-Tribromophenol	*60.7*		*10.0-127*		*05/16/2025 21:30*	WG2516905
(S) p-Terphenyl-d14	*67.3*		*10.0-120*		*05/16/2025 21:30*	WG2516905

Sample Narrative:

L1859689-18 WG2516905: Dilution due to matrix impact during extract concentration procedure

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	651000		22500	1	05/18/2025 19:50	WG2516935

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.0		1	05/16/2025 16:17	WG2516924

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11200	1	05/18/2025 18:38	WG2517044

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	646000		22500	1	05/18/2025 19:50	WG2517187

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		22500	1	05/17/2025 03:20	WG2516935

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	6810000		500000	5	05/17/2025 15:09	WG2516927

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	1830000		22500	1	05/16/2025 21:06	WG2516931
Antimony	ND		2250	1	05/16/2025 21:06	WG2516931
Beryllium	235		225	1	05/16/2025 21:06	WG2516931
Calcium	14000000		112000	1	05/16/2025 21:06	WG2516931
Cobalt	1760		1120	1	05/16/2025 21:06	WG2516931
Iron	2940000		11200	1	05/16/2025 21:06	WG2516931
Magnesium	1420000		112000	1	05/16/2025 21:06	WG2516931
Manganese	111000		1120	1	05/16/2025 21:06	WG2516931
Potassium	1190000		112000	1	05/16/2025 21:06	WG2516931
Sodium	182000		112000	1	05/16/2025 21:06	WG2516931
Thallium	ND		2250	1	05/16/2025 21:06	WG2516931
Vanadium	6150		2250	1	05/16/2025 21:06	WG2516931

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	ND		62.4	1	05/16/2025 18:45	WG2516912
Acrylonitrile	ND	J3	15.6	1	05/16/2025 18:45	WG2516912
Bromobenzene	ND		15.6	1	05/16/2025 18:45	WG2516912
Bromodichloromethane	ND		3.12	1	05/16/2025 18:45	WG2516912
Bromoform	ND		31.2	1	05/16/2025 18:45	WG2516912
Bromomethane	ND	C3	15.6	1	05/16/2025 18:45	WG2516912

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
n-Butylbenzene	ND		15.6	1	05/16/2025 18:45	WG2516912
sec-Butylbenzene	ND		15.6	1	05/16/2025 18:45	WG2516912
tert-Butylbenzene	ND		6.24	1	05/16/2025 18:45	WG2516912
Carbon tetrachloride	ND		6.24	1	05/16/2025 18:45	WG2516912
Chlorobenzene	ND		3.12	1	05/16/2025 18:45	WG2516912
Chlorodibromomethane	ND		3.12	1	05/16/2025 18:45	WG2516912
Chloroethane	ND		6.24	1	05/16/2025 18:45	WG2516912
Chloroform	ND		3.12	1	05/16/2025 18:45	WG2516912
Chloromethane	ND		15.6	1	05/16/2025 18:45	WG2516912
2-Chlorotoluene	ND		3.12	1	05/16/2025 18:45	WG2516912
4-Chlorotoluene	ND		6.24	1	05/16/2025 18:45	WG2516912
1,2-Dibromo-3-Chloropropane	ND	J3	31.2	1	05/16/2025 18:45	WG2516912
1,2-Dibromoethane	ND		3.12	1	05/16/2025 18:45	WG2516912
Dibromomethane	ND		6.24	1	05/16/2025 18:45	WG2516912
1,2-Dichlorobenzene	ND		6.24	1	05/16/2025 18:45	WG2516912
1,3-Dichlorobenzene	ND		6.24	1	05/16/2025 18:45	WG2516912
1,4-Dichlorobenzene	ND		6.24	1	05/16/2025 18:45	WG2516912
Dichlorodifluoromethane	ND		6.24	1	05/16/2025 18:45	WG2516912
1,1-Dichloroethane	ND		3.12	1	05/16/2025 18:45	WG2516912
1,2-Dichloroethane	ND		3.12	1	05/16/2025 18:45	WG2516912
1,1-Dichloroethene	ND		3.12	1	05/16/2025 18:45	WG2516912
cis-1,2-Dichloroethene	ND		3.12	1	05/16/2025 18:45	WG2516912
trans-1,2-Dichloroethene	ND		6.24	1	05/16/2025 18:45	WG2516912
1,2-Dichloropropane	ND		6.24	1	05/16/2025 18:45	WG2516912
1,1-Dichloropropene	ND		3.12	1	05/16/2025 18:45	WG2516912
1,3-Dichloropropane	ND		6.24	1	05/16/2025 18:45	WG2516912
cis-1,3-Dichloropropene	ND		3.12	1	05/16/2025 18:45	WG2516912
trans-1,3-Dichloropropene	ND		6.24	1	05/16/2025 18:45	WG2516912
2,2-Dichloropropane	ND		3.12	1	05/16/2025 18:45	WG2516912
Di-isopropyl ether	ND		1.25	1	05/16/2025 18:45	WG2516912
Hexachloro-1,3-butadiene	ND		31.2	1	05/16/2025 18:45	WG2516912
Isopropylbenzene	ND		3.12	1	05/16/2025 18:45	WG2516912
p-Isopropyltoluene	ND		6.24	1	05/16/2025 18:45	WG2516912
2-Butanone (MEK)	ND	J3	125	1	05/16/2025 18:45	WG2516912
Methylene Chloride	ND		31.2	1	05/16/2025 18:45	WG2516912
4-Methyl-2-pentanone (MIBK)	ND		31.2	1	05/16/2025 18:45	WG2516912
Methyl tert-butyl ether	ND		1.25	1	05/16/2025 18:45	WG2516912
n-Propylbenzene	ND		6.24	1	05/16/2025 18:45	WG2516912
Styrene	ND		15.6	1	05/16/2025 18:45	WG2516912
1,1,1,2-Tetrachloroethane	ND		3.12	1	05/16/2025 18:45	WG2516912
1,1,2,2-Tetrachloroethane	ND		3.12	1	05/16/2025 18:45	WG2516912
1,1,2-Trichlorotrifluoroethane	ND		3.12	1	05/16/2025 18:45	WG2516912
Tetrachloroethene	ND		3.12	1	05/16/2025 18:45	WG2516912
1,2,3-Trichlorobenzene	ND		15.6	1	05/16/2025 18:45	WG2516912
1,2,4-Trichlorobenzene	ND		15.6	1	05/16/2025 18:45	WG2516912
1,1,1-Trichloroethane	ND		3.12	1	05/16/2025 18:45	WG2516912
1,1,2-Trichloroethane	ND		3.12	1	05/16/2025 18:45	WG2516912
Trichloroethene	ND		1.25	1	05/16/2025 18:45	WG2516912
Trichlorofluoromethane	ND		3.12	1	05/16/2025 18:45	WG2516912
1,2,3-Trichloropropane	ND		15.6	1	05/16/2025 18:45	WG2516912
1,2,3-Trimethylbenzene	ND		6.24	1	05/16/2025 18:45	WG2516912
Vinyl chloride	ND		3.12	1	05/16/2025 18:45	WG2516912
(S) Toluene-d8	*102*		*75.0-131*		*05/16/2025 18:45*	WG2516912
(S) 4-Bromofluorobenzene	*101*		*67.0-138*		*05/16/2025 18:45*	WG2516912
(S) 1,2-Dichloroethane-d4	*96.3*		*70.0-130*		*05/16/2025 18:45*	WG2516912

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		74.8	2	05/16/2025 21:51	WG2516905
Benzidine	ND		3750	2	05/16/2025 21:51	WG2516905
Benzo(g,h,i)perylene	ND		74.8	2	05/16/2025 21:51	WG2516905
Bis(2-chlorethoxy)methane	ND		748	2	05/16/2025 21:51	WG2516905
Bis(2-chloroethyl)ether	ND		748	2	05/16/2025 21:51	WG2516905
2,2-Oxybis(1-Chloropropane)	ND		748	2	05/16/2025 21:51	WG2516905
4-Bromophenyl-phenylether	ND		748	2	05/16/2025 21:51	WG2516905
2-Chloronaphthalene	ND		74.8	2	05/16/2025 21:51	WG2516905
4-Chlorophenyl-phenylether	ND		748	2	05/16/2025 21:51	WG2516905
1,2-Dichlorobenzene	ND		748	2	05/16/2025 21:51	WG2516905
1,3-Dichlorobenzene	ND		748	2	05/16/2025 21:51	WG2516905
1,4-Dichlorobenzene	ND		748	2	05/16/2025 21:51	WG2516905
3,3-Dichlorobenzidine	ND		748	2	05/16/2025 21:51	WG2516905
2,4-Dinitrotoluene	ND		748	2	05/16/2025 21:51	WG2516905
2,6-Dinitrotoluene	ND		748	2	05/16/2025 21:51	WG2516905
Hexachlorobenzene	ND		748	2	05/16/2025 21:51	WG2516905
Hexachloro-1,3-butadiene	ND		748	2	05/16/2025 21:51	WG2516905
Hexachlorocyclopentadiene	ND	C7	748	2	05/16/2025 21:51	WG2516905
Hexachloroethane	ND		748	2	05/16/2025 21:51	WG2516905
Isophorone	ND		748	2	05/16/2025 21:51	WG2516905
Nitrobenzene	ND		748	2	05/16/2025 21:51	WG2516905
n-Nitrosodimethylamine	ND		748	2	05/16/2025 21:51	WG2516905
n-Nitrosodiphenylamine	ND		748	2	05/16/2025 21:51	WG2516905
n-Nitrosodi-n-propylamine	ND		748	2	05/16/2025 21:51	WG2516905
Phenanthrene	ND		74.8	2	05/16/2025 21:51	WG2516905
Benzylbutyl phthalate	ND		748	2	05/16/2025 21:51	WG2516905
Bis(2-ethylhexyl)phthalate	ND		748	2	05/16/2025 21:51	WG2516905
Di-n-butyl phthalate	ND		748	2	05/16/2025 21:51	WG2516905
Diethyl phthalate	ND		748	2	05/16/2025 21:51	WG2516905
Dimethyl phthalate	ND		748	2	05/16/2025 21:51	WG2516905
Di-n-octyl phthalate	ND		748	2	05/16/2025 21:51	WG2516905
1,2,4-Trichlorobenzene	ND		748	2	05/16/2025 21:51	WG2516905
4-Chloro-3-methylphenol	ND		748	2	05/16/2025 21:51	WG2516905
2-Chlorophenol	ND		748	2	05/16/2025 21:51	WG2516905
2,4-Dichlorophenol	ND		748	2	05/16/2025 21:51	WG2516905
2,4-Dimethylphenol	ND		748	2	05/16/2025 21:51	WG2516905
4,6-Dinitro-2-methylphenol	ND		748	2	05/16/2025 21:51	WG2516905
2,4-Dinitrophenol	ND	C3	748	2	05/16/2025 21:51	WG2516905
2-Nitrophenol	ND		748	2	05/16/2025 21:51	WG2516905
4-Nitrophenol	ND		748	2	05/16/2025 21:51	WG2516905
Pentachlorophenol	ND	C3	748	2	05/16/2025 21:51	WG2516905
Phenol	ND		748	2	05/16/2025 21:51	WG2516905
2,4,6-Trichlorophenol	ND		748	2	05/16/2025 21:51	WG2516905
(S) 2-Fluorophenol	*71.2*		*12.0-120*		*05/16/2025 21:51*	WG2516905
(S) Phenol-d5	*68.9*		*10.0-120*		*05/16/2025 21:51*	WG2516905
(S) Nitrobenzene-d5	*66.4*		*10.0-122*		*05/16/2025 21:51*	WG2516905
(S) 2-Fluorobiphenyl	*56.4*		*15.0-120*		*05/16/2025 21:51*	WG2516905
(S) 2,4,6-Tribromophenol	*56.0*		*10.0-127*		*05/16/2025 21:51*	WG2516905
(S) p-Terphenyl-d14	*60.6*		*10.0-120*		*05/16/2025 21:51*	WG2516905

Sample Narrative:

L1859689-19 WG2516905: Dilution due to matrix impact during extract concentration procedure

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	2080000		23800	1	05/18/2025 18:00	WG2516935

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.1		1	05/16/2025 16:17	WG2516924

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11900	1	05/18/2025 18:39	WG2517044

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	2080000		119000	5	05/18/2025 18:00	WG2517189

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		23800	1	05/17/2025 03:36	WG2516935

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	12300000		1000000	10	05/17/2025 15:10	WG2516927

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	1940000		23800	1	05/16/2025 20:36	WG2516931
Antimony	ND		2380	1	05/16/2025 20:36	WG2516931
Beryllium	241		238	1	05/16/2025 20:36	WG2516931
Calcium	12100000		119000	1	05/16/2025 20:36	WG2516931
Cobalt	1920		1190	1	05/16/2025 20:36	WG2516931
Iron	2870000		11900	1	05/16/2025 20:36	WG2516931
Magnesium	1290000		119000	1	05/16/2025 20:36	WG2516931
Manganese	121000		1190	1	05/16/2025 20:36	WG2516931
Potassium	712000		119000	1	05/16/2025 20:36	WG2516931
Sodium	121000		119000	1	05/16/2025 20:36	WG2516931
Thallium	ND		2380	1	05/16/2025 20:36	WG2516931
Vanadium	6600		2380	1	05/16/2025 20:36	WG2516931

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	ND		69.0	1	05/16/2025 19:03	WG2516912
Acrylonitrile	ND	J3	17.2	1	05/16/2025 19:03	WG2516912
Bromobenzene	ND		17.2	1	05/16/2025 19:03	WG2516912
Bromodichloromethane	ND		3.45	1	05/16/2025 19:03	WG2516912
Bromoform	ND		34.5	1	05/16/2025 19:03	WG2516912
Bromomethane	ND	C3	17.2	1	05/16/2025 19:03	WG2516912

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
n-Butylbenzene	ND		17.2	1	05/16/2025 19:03	WG2516912
sec-Butylbenzene	ND		17.2	1	05/16/2025 19:03	WG2516912
tert-Butylbenzene	ND		6.90	1	05/16/2025 19:03	WG2516912
Carbon tetrachloride	ND		6.90	1	05/16/2025 19:03	WG2516912
Chlorobenzene	ND		3.45	1	05/16/2025 19:03	WG2516912
Chlorodibromomethane	ND		3.45	1	05/16/2025 19:03	WG2516912
Chloroethane	ND		6.90	1	05/16/2025 19:03	WG2516912
Chloroform	ND		3.45	1	05/16/2025 19:03	WG2516912
Chloromethane	ND		17.2	1	05/16/2025 19:03	WG2516912
2-Chlorotoluene	ND		3.45	1	05/16/2025 19:03	WG2516912
4-Chlorotoluene	ND		6.90	1	05/16/2025 19:03	WG2516912
1,2-Dibromo-3-Chloropropane	ND	J3	34.5	1	05/16/2025 19:03	WG2516912
1,2-Dibromoethane	ND		3.45	1	05/16/2025 19:03	WG2516912
Dibromomethane	ND		6.90	1	05/16/2025 19:03	WG2516912
1,2-Dichlorobenzene	ND		6.90	1	05/16/2025 19:03	WG2516912
1,3-Dichlorobenzene	ND		6.90	1	05/16/2025 19:03	WG2516912
1,4-Dichlorobenzene	ND		6.90	1	05/16/2025 19:03	WG2516912
Dichlorodifluoromethane	ND		6.90	1	05/16/2025 19:03	WG2516912
1,1-Dichloroethane	ND		3.45	1	05/16/2025 19:03	WG2516912
1,2-Dichloroethane	ND		3.45	1	05/16/2025 19:03	WG2516912
1,1-Dichloroethene	ND		3.45	1	05/16/2025 19:03	WG2516912
cis-1,2-Dichloroethene	ND		3.45	1	05/16/2025 19:03	WG2516912
trans-1,2-Dichloroethene	ND		6.90	1	05/16/2025 19:03	WG2516912
1,2-Dichloropropane	ND		6.90	1	05/16/2025 19:03	WG2516912
1,1-Dichloropropene	ND		3.45	1	05/16/2025 19:03	WG2516912
1,3-Dichloropropane	ND		6.90	1	05/16/2025 19:03	WG2516912
cis-1,3-Dichloropropene	ND		3.45	1	05/16/2025 19:03	WG2516912
trans-1,3-Dichloropropene	ND		6.90	1	05/16/2025 19:03	WG2516912
2,2-Dichloropropane	ND		3.45	1	05/16/2025 19:03	WG2516912
Di-isopropyl ether	ND		1.38	1	05/16/2025 19:03	WG2516912
Hexachloro-1,3-butadiene	ND		34.5	1	05/16/2025 19:03	WG2516912
Isopropylbenzene	ND		3.45	1	05/16/2025 19:03	WG2516912
p-Isopropyltoluene	ND		6.90	1	05/16/2025 19:03	WG2516912
2-Butanone (MEK)	ND	J3	138	1	05/16/2025 19:03	WG2516912
Methylene Chloride	ND		34.5	1	05/16/2025 19:03	WG2516912
4-Methyl-2-pentanone (MIBK)	ND		34.5	1	05/16/2025 19:03	WG2516912
Methyl tert-butyl ether	ND		1.38	1	05/16/2025 19:03	WG2516912
n-Propylbenzene	ND		6.90	1	05/16/2025 19:03	WG2516912
Styrene	ND		17.2	1	05/16/2025 19:03	WG2516912
1,1,1,2-Tetrachloroethane	ND		3.45	1	05/16/2025 19:03	WG2516912
1,1,2,2-Tetrachloroethane	ND		3.45	1	05/16/2025 19:03	WG2516912
1,1,2-Trichlorotrifluoroethane	ND		3.45	1	05/16/2025 19:03	WG2516912
Tetrachloroethene	ND		3.45	1	05/16/2025 19:03	WG2516912
1,2,3-Trichlorobenzene	ND		17.2	1	05/16/2025 19:03	WG2516912
1,2,4-Trichlorobenzene	ND		17.2	1	05/16/2025 19:03	WG2516912
1,1,1-Trichloroethane	ND		3.45	1	05/16/2025 19:03	WG2516912
1,1,2-Trichloroethane	ND		3.45	1	05/16/2025 19:03	WG2516912
Trichloroethene	ND		1.38	1	05/16/2025 19:03	WG2516912
Trichlorofluoromethane	ND		3.45	1	05/16/2025 19:03	WG2516912
1,2,3-Trichloropropane	ND		17.2	1	05/16/2025 19:03	WG2516912
1,2,3-Trimethylbenzene	ND		6.90	1	05/16/2025 19:03	WG2516912
Vinyl chloride	ND		3.45	1	05/16/2025 19:03	WG2516912
(S) Toluene-d8	*103*		*75.0-131*		*05/16/2025 19:03*	WG2516912
(S) 4-Bromofluorobenzene	*100*		*67.0-138*		*05/16/2025 19:03*	WG2516912
(S) 1,2-Dichloroethane-d4	*95.8*		*70.0-130*		*05/16/2025 19:03*	WG2516912

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		396	10	05/17/2025 17:19	WG2517220
Benzidine	ND		19900	10	05/17/2025 17:19	WG2517220
Benzo(g,h,i)perylene	ND		396	10	05/17/2025 17:19	WG2517220
Bis(2-chlorethoxy)methane	ND	C3	3960	10	05/17/2025 17:19	WG2517220
Bis(2-chloroethyl)ether	ND		3960	10	05/17/2025 17:19	WG2517220
2,2-Oxybis(1-Chloropropane)	ND	C3	3960	10	05/17/2025 17:19	WG2517220
4-Bromophenyl-phenylether	ND		3960	10	05/17/2025 17:19	WG2517220
2-Chloronaphthalene	ND		396	10	05/17/2025 17:19	WG2517220
4-Chlorophenyl-phenylether	ND		3960	10	05/17/2025 17:19	WG2517220
1,2-Dichlorobenzene	ND		3960	10	05/17/2025 17:19	WG2517220
1,3-Dichlorobenzene	ND		3960	10	05/17/2025 17:19	WG2517220
1,4-Dichlorobenzene	ND		3960	10	05/17/2025 17:19	WG2517220
3,3-Dichlorobenzidine	ND		3960	10	05/17/2025 17:19	WG2517220
2,4-Dinitrotoluene	ND		3960	10	05/17/2025 17:19	WG2517220
2,6-Dinitrotoluene	ND		3960	10	05/17/2025 17:19	WG2517220
Hexachlorobenzene	ND		3960	10	05/17/2025 17:19	WG2517220
Hexachloro-1,3-butadiene	ND		3960	10	05/17/2025 17:19	WG2517220
Hexachlorocyclopentadiene	ND	C3	3960	10	05/17/2025 17:19	WG2517220
Hexachloroethane	ND		3960	10	05/17/2025 17:19	WG2517220
Isophorone	ND		3960	10	05/17/2025 17:19	WG2517220
Nitrobenzene	ND		3960	10	05/17/2025 17:19	WG2517220
n-Nitrosodimethylamine	ND	C3	3960	10	05/17/2025 17:19	WG2517220
n-Nitrosodiphenylamine	ND		3960	10	05/17/2025 17:19	WG2517220
n-Nitrosodi-n-propylamine	ND		3960	10	05/17/2025 17:19	WG2517220
Phenanthrene	ND		396	10	05/17/2025 17:19	WG2517220
Benzylbutyl phthalate	ND		3960	10	05/17/2025 17:19	WG2517220
Bis(2-ethylhexyl)phthalate	ND		3960	10	05/17/2025 17:19	WG2517220
Di-n-butyl phthalate	ND		3960	10	05/17/2025 17:19	WG2517220
Diethyl phthalate	ND		3960	10	05/17/2025 17:19	WG2517220
Dimethyl phthalate	ND		3960	10	05/17/2025 17:19	WG2517220
Di-n-octyl phthalate	ND		3960	10	05/17/2025 17:19	WG2517220
1,2,4-Trichlorobenzene	ND		3960	10	05/17/2025 17:19	WG2517220
4-Chloro-3-methylphenol	ND		3960	10	05/17/2025 17:19	WG2517220
2-Chlorophenol	ND		3960	10	05/17/2025 17:19	WG2517220
2,4-Dichlorophenol	ND		3960	10	05/17/2025 17:19	WG2517220
2,4-Dimethylphenol	ND	C3	3960	10	05/17/2025 17:19	WG2517220
4,6-Dinitro-2-methylphenol	ND		3960	10	05/17/2025 17:19	WG2517220
2,4-Dinitrophenol	ND		3960	10	05/17/2025 17:19	WG2517220
2-Nitrophenol	ND		3960	10	05/17/2025 17:19	WG2517220
4-Nitrophenol	ND	C3	3960	10	05/17/2025 17:19	WG2517220
Pentachlorophenol	ND		3960	10	05/17/2025 17:19	WG2517220
Phenol	ND	C3	3960	10	05/17/2025 17:19	WG2517220
2,4,6-Trichlorophenol	ND		3960	10	05/17/2025 17:19	WG2517220
(S) 2-Fluorophenol	*83.5*		*12.0-120*		*05/17/2025 17:19*	WG2517220
(S) Phenol-d5	*63.1*		*10.0-120*		*05/17/2025 17:19*	WG2517220
(S) Nitrobenzene-d5	*80.4*		*10.0-122*		*05/17/2025 17:19*	WG2517220
(S) 2-Fluorobiphenyl	*69.8*		*15.0-120*		*05/17/2025 17:19*	WG2517220
(S) 2,4,6-Tribromophenol	*94.3*		*10.0-127*		*05/17/2025 17:19*	WG2517220
(S) p-Terphenyl-d14	*78.2*		*10.0-120*		*05/17/2025 17:19*	WG2517220

Sample Narrative:

L1859689-20 WG2517220: Dilution due to matrix impact during extract concentration procedure

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1330000		114000	1	05/18/2025 15:37	WG2516935

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.4		1	05/16/2025 16:17	WG2516924

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11400	1	05/18/2025 18:41	WG2517044

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1260000		114000	5	05/18/2025 15:37	WG2517190

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND	J6	114000	5	05/17/2025 03:53	WG2516935

Sample Narrative:

L1859689-21 WG2516935: Dilution due to matrix impact on instrumentation at lower dilution

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	12300000		500000	5	05/17/2025 15:10	WG2516927

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	3400000	J6	22900	1	05/16/2025 20:49	WG2516931
Antimony	ND		2290	1	05/16/2025 20:49	WG2516931
Beryllium	456		229	1	05/16/2025 20:49	WG2516931
Calcium	27100000	O1 V	114000	1	05/16/2025 20:49	WG2516931
Cobalt	3310		1140	1	05/16/2025 20:49	WG2516931
Iron	5050000	J3 V	11400	1	05/16/2025 20:49	WG2516931
Magnesium	2920000	J6 O1	114000	1	05/16/2025 20:49	WG2516931
Manganese	219000	O1	1140	1	05/16/2025 20:49	WG2516931
Potassium	2550000	O1	114000	1	05/16/2025 20:49	WG2516931
Sodium	138000		114000	1	05/16/2025 20:49	WG2516931
Thallium	ND		2290	1	05/16/2025 20:49	WG2516931
Vanadium	12500		2290	1	05/16/2025 20:49	WG2516931

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	ND		64.4	1	05/16/2025 19:22	WG2516912
Acrylonitrile	ND	J3	16.1	1	05/16/2025 19:22	WG2516912
Bromobenzene	ND		16.1	1	05/16/2025 19:22	WG2516912

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Bromodichloromethane	ND		3.22	1	05/16/2025 19:22	WG2516912
Bromoform	ND		32.2	1	05/16/2025 19:22	WG2516912
Bromomethane	ND	C3	16.1	1	05/16/2025 19:22	WG2516912
n-Butylbenzene	ND		16.1	1	05/16/2025 19:22	WG2516912
sec-Butylbenzene	ND		16.1	1	05/16/2025 19:22	WG2516912
tert-Butylbenzene	ND		6.44	1	05/16/2025 19:22	WG2516912
Carbon tetrachloride	ND		6.44	1	05/16/2025 19:22	WG2516912
Chlorobenzene	ND		3.22	1	05/16/2025 19:22	WG2516912
Chlorodibromomethane	ND		3.22	1	05/16/2025 19:22	WG2516912
Chloroethane	ND		6.44	1	05/16/2025 19:22	WG2516912
Chloroform	ND		3.22	1	05/16/2025 19:22	WG2516912
Chloromethane	ND		16.1	1	05/16/2025 19:22	WG2516912
2-Chlorotoluene	ND		3.22	1	05/16/2025 19:22	WG2516912
4-Chlorotoluene	ND		6.44	1	05/16/2025 19:22	WG2516912
1,2-Dibromo-3-Chloropropane	ND	J3	32.2	1	05/16/2025 19:22	WG2516912
1,2-Dibromoethane	ND		3.22	1	05/16/2025 19:22	WG2516912
Dibromomethane	ND		6.44	1	05/16/2025 19:22	WG2516912
1,2-Dichlorobenzene	ND		6.44	1	05/16/2025 19:22	WG2516912
1,3-Dichlorobenzene	ND		6.44	1	05/16/2025 19:22	WG2516912
1,4-Dichlorobenzene	ND		6.44	1	05/16/2025 19:22	WG2516912
Dichlorodifluoromethane	ND		6.44	1	05/16/2025 19:22	WG2516912
1,1-Dichloroethane	ND		3.22	1	05/16/2025 19:22	WG2516912
1,2-Dichloroethane	ND		3.22	1	05/16/2025 19:22	WG2516912
1,1-Dichloroethene	ND		3.22	1	05/16/2025 19:22	WG2516912
cis-1,2-Dichloroethene	ND		3.22	1	05/16/2025 19:22	WG2516912
trans-1,2-Dichloroethene	ND		6.44	1	05/16/2025 19:22	WG2516912
1,2-Dichloropropane	ND		6.44	1	05/16/2025 19:22	WG2516912
1,1-Dichloropropene	ND		3.22	1	05/16/2025 19:22	WG2516912
1,3-Dichloropropane	ND		6.44	1	05/16/2025 19:22	WG2516912
cis-1,3-Dichloropropene	ND		3.22	1	05/16/2025 19:22	WG2516912
trans-1,3-Dichloropropene	ND		6.44	1	05/16/2025 19:22	WG2516912
2,2-Dichloropropane	ND		3.22	1	05/16/2025 19:22	WG2516912
Di-isopropyl ether	ND		1.29	1	05/16/2025 19:22	WG2516912
Hexachloro-1,3-butadiene	ND		32.2	1	05/16/2025 19:22	WG2516912
Isopropylbenzene	ND		3.22	1	05/16/2025 19:22	WG2516912
p-Isopropyltoluene	ND		6.44	1	05/16/2025 19:22	WG2516912
2-Butanone (MEK)	ND	J3	129	1	05/16/2025 19:22	WG2516912
Methylene Chloride	ND		32.2	1	05/16/2025 19:22	WG2516912
4-Methyl-2-pentanone (MIBK)	ND		32.2	1	05/16/2025 19:22	WG2516912
Methyl tert-butyl ether	ND		1.29	1	05/16/2025 19:22	WG2516912
n-Propylbenzene	ND		6.44	1	05/16/2025 19:22	WG2516912
Styrene	ND		16.1	1	05/16/2025 19:22	WG2516912
1,1,1,2-Tetrachloroethane	ND		3.22	1	05/16/2025 19:22	WG2516912
1,1,2,2-Tetrachloroethane	ND		3.22	1	05/16/2025 19:22	WG2516912
1,1,2-Trichlorotrifluoroethane	ND		3.22	1	05/16/2025 19:22	WG2516912
Tetrachloroethene	ND		3.22	1	05/16/2025 19:22	WG2516912
1,2,3-Trichlorobenzene	ND		16.1	1	05/16/2025 19:22	WG2516912
1,2,4-Trichlorobenzene	ND		16.1	1	05/16/2025 19:22	WG2516912
1,1,1-Trichloroethane	ND		3.22	1	05/16/2025 19:22	WG2516912
1,1,2-Trichloroethane	ND		3.22	1	05/16/2025 19:22	WG2516912
Trichloroethene	ND		1.29	1	05/16/2025 19:22	WG2516912
Trichlorofluoromethane	ND		3.22	1	05/16/2025 19:22	WG2516912
1,2,3-Trichloropropane	ND		16.1	1	05/16/2025 19:22	WG2516912
1,2,3-Trimethylbenzene	ND		6.44	1	05/16/2025 19:22	WG2516912
Vinyl chloride	ND		3.22	1	05/16/2025 19:22	WG2516912
(S) Toluene-d8	*102*		*75.0-131*		*05/16/2025 19:22*	WG2516912

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
(S) 4-Bromofluorobenzene	*98.1*		*67.0-138*		*05/16/2025 19:22*	WG2516912
(S) 1,2-Dichloroethane-d4	*92.4*		*70.0-130*		*05/16/2025 19:22*	WG2516912

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		381	10	05/17/2025 18:22	WG2517220
Benzidine	ND		19100	10	05/17/2025 18:22	WG2517220
Benzo(g,h,i)perylene	ND		381	10	05/17/2025 18:22	WG2517220
Bis(2-chlorethoxy)methane	ND	C3	3810	10	05/17/2025 18:22	WG2517220
Bis(2-chloroethyl)ether	ND		3810	10	05/17/2025 18:22	WG2517220
2,2-Oxybis(1-Chloropropane)	ND	C3	3810	10	05/17/2025 18:22	WG2517220
4-Bromophenyl-phenylether	ND		3810	10	05/17/2025 18:22	WG2517220
2-Chloronaphthalene	ND		381	10	05/17/2025 18:22	WG2517220
4-Chlorophenyl-phenylether	ND		3810	10	05/17/2025 18:22	WG2517220
1,2-Dichlorobenzene	ND		3810	10	05/17/2025 18:22	WG2517220
1,3-Dichlorobenzene	ND		3810	10	05/17/2025 18:22	WG2517220
1,4-Dichlorobenzene	ND		3810	10	05/17/2025 18:22	WG2517220
3,3-Dichlorobenzidine	ND		3810	10	05/17/2025 18:22	WG2517220
2,4-Dinitrotoluene	ND		3810	10	05/17/2025 18:22	WG2517220
2,6-Dinitrotoluene	ND		3810	10	05/17/2025 18:22	WG2517220
Hexachlorobenzene	ND		3810	10	05/17/2025 18:22	WG2517220
Hexachloro-1,3-butadiene	ND		3810	10	05/17/2025 18:22	WG2517220
Hexachlorocyclopentadiene	ND	C3	3810	10	05/17/2025 18:22	WG2517220
Hexachloroethane	ND		3810	10	05/17/2025 18:22	WG2517220
Isophorone	ND		3810	10	05/17/2025 18:22	WG2517220
Nitrobenzene	ND		3810	10	05/17/2025 18:22	WG2517220
n-Nitrosodimethylamine	ND	C3	3810	10	05/17/2025 18:22	WG2517220
n-Nitrosodiphenylamine	ND		3810	10	05/17/2025 18:22	WG2517220
n-Nitrosodi-n-propylamine	ND		3810	10	05/17/2025 18:22	WG2517220
Phenanthrene	ND		381	10	05/17/2025 18:22	WG2517220
Benzylbutyl phthalate	ND		3810	10	05/17/2025 18:22	WG2517220
Bis(2-ethylhexyl)phthalate	ND		3810	10	05/17/2025 18:22	WG2517220
Di-n-butyl phthalate	ND		3810	10	05/17/2025 18:22	WG2517220
Diethyl phthalate	ND		3810	10	05/17/2025 18:22	WG2517220
Dimethyl phthalate	ND		3810	10	05/17/2025 18:22	WG2517220
Di-n-octyl phthalate	ND		3810	10	05/17/2025 18:22	WG2517220
1,2,4-Trichlorobenzene	ND		3810	10	05/17/2025 18:22	WG2517220
4-Chloro-3-methylphenol	ND		3810	10	05/17/2025 18:22	WG2517220
2-Chlorophenol	ND		3810	10	05/17/2025 18:22	WG2517220
2,4-Dichlorophenol	ND		3810	10	05/17/2025 18:22	WG2517220
2,4-Dimethylphenol	ND	C3	3810	10	05/17/2025 18:22	WG2517220
4,6-Dinitro-2-methylphenol	ND		3810	10	05/17/2025 18:22	WG2517220
2,4-Dinitrophenol	ND		3810	10	05/17/2025 18:22	WG2517220
2-Nitrophenol	ND		3810	10	05/17/2025 18:22	WG2517220
4-Nitrophenol	ND	C3	3810	10	05/17/2025 18:22	WG2517220
Pentachlorophenol	ND		3810	10	05/17/2025 18:22	WG2517220
Phenol	ND	C3	3810	10	05/17/2025 18:22	WG2517220
2,4,6-Trichlorophenol	ND		3810	10	05/17/2025 18:22	WG2517220
(S) 2-Fluorophenol	*71.7*		*12.0-120*		*05/17/2025 18:22*	WG2517220
(S) Phenol-d5	*66.1*		*10.0-120*		*05/17/2025 18:22*	WG2517220
(S) Nitrobenzene-d5	*70.5*		*10.0-122*		*05/17/2025 18:22*	WG2517220
(S) 2-Fluorobiphenyl	*76.1*		*15.0-120*		*05/17/2025 18:22*	WG2517220
(S) 2,4,6-Tribromophenol	*104*		*10.0-127*		*05/17/2025 18:22*	WG2517220
(S) p-Terphenyl-d14	*89.8*		*10.0-120*		*05/17/2025 18:22*	WG2517220

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

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

Sample Narrative:

L1859689-21 WG2517220: Dilution due to matrix impact during extract concentration procedure

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	05/16/2025 17:06	WG2516340
Acrolein	ND	C3 J3 J4	50.0	1	05/16/2025 17:06	WG2516340
Acrylonitrile	ND		10.0	1	05/16/2025 17:06	WG2516340
Benzene	ND		1.00	1	05/16/2025 17:06	WG2516340
Bromobenzene	ND	J4	1.00	1	05/16/2025 17:06	WG2516340
Bromodichloromethane	ND		1.00	1	05/16/2025 17:06	WG2516340
Bromoform	ND		1.00	1	05/16/2025 17:06	WG2516340
Bromomethane	ND		5.00	1	05/16/2025 17:06	WG2516340
n-Butylbenzene	ND		1.00	1	05/16/2025 17:06	WG2516340
sec-Butylbenzene	ND		1.00	1	05/16/2025 17:06	WG2516340
tert-Butylbenzene	ND	J3	1.00	1	05/16/2025 17:06	WG2516340
Carbon tetrachloride	ND		1.00	1	05/16/2025 17:06	WG2516340
Chlorobenzene	ND		1.00	1	05/16/2025 17:06	WG2516340
Chlorodibromomethane	ND		1.00	1	05/16/2025 17:06	WG2516340
Chloroethane	ND	J3	5.00	1	05/16/2025 17:06	WG2516340
Chloroform	ND		5.00	1	05/16/2025 17:06	WG2516340
Chloromethane	ND		2.50	1	05/16/2025 17:06	WG2516340
2-Chlorotoluene	ND		1.00	1	05/16/2025 17:06	WG2516340
4-Chlorotoluene	ND		1.00	1	05/16/2025 17:06	WG2516340
1,2-Dibromo-3-Chloropropane	ND		5.00	1	05/16/2025 17:06	WG2516340
1,2-Dibromoethane	ND		1.00	1	05/16/2025 17:06	WG2516340
Dibromomethane	ND		1.00	1	05/16/2025 17:06	WG2516340
1,2-Dichlorobenzene	ND		1.00	1	05/16/2025 17:06	WG2516340
1,3-Dichlorobenzene	ND		1.00	1	05/16/2025 17:06	WG2516340
1,4-Dichlorobenzene	ND		1.00	1	05/16/2025 17:06	WG2516340
Dichlorodifluoromethane	ND		5.00	1	05/16/2025 17:06	WG2516340
1,1-Dichloroethane	ND		1.00	1	05/16/2025 17:06	WG2516340
1,2-Dichloroethane	ND		1.00	1	05/16/2025 17:06	WG2516340
1,1-Dichloroethene	ND		1.00	1	05/16/2025 17:06	WG2516340
cis-1,2-Dichloroethene	ND		1.00	1	05/16/2025 17:06	WG2516340
trans-1,2-Dichloroethene	ND		1.00	1	05/16/2025 17:06	WG2516340
1,2-Dichloropropane	ND		1.00	1	05/16/2025 17:06	WG2516340
1,1-Dichloropropene	ND		1.00	1	05/16/2025 17:06	WG2516340
1,3-Dichloropropane	ND	J4	1.00	1	05/16/2025 17:06	WG2516340
cis-1,3-Dichloropropene	ND		1.00	1	05/16/2025 17:06	WG2516340
trans-1,3-Dichloropropene	ND		1.00	1	05/16/2025 17:06	WG2516340
2,2-Dichloropropane	ND	J3	1.00	1	05/16/2025 17:06	WG2516340
Di-isopropyl ether	ND		1.00	1	05/16/2025 17:06	WG2516340
Ethylbenzene	ND	J3	1.00	1	05/16/2025 17:06	WG2516340
Hexachloro-1,3-butadiene	ND		1.00	1	05/16/2025 17:06	WG2516340
Isopropylbenzene	ND	J3	1.00	1	05/16/2025 17:06	WG2516340
p-Isopropyltoluene	ND		1.00	1	05/16/2025 17:06	WG2516340
2-Butanone (MEK)	ND		10.0	1	05/16/2025 17:06	WG2516340
Methylene Chloride	ND		5.00	1	05/16/2025 17:06	WG2516340
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	05/16/2025 17:06	WG2516340
Methyl tert-butyl ether	ND		1.00	1	05/16/2025 17:06	WG2516340
Naphthalene	ND	C3	5.00	1	05/16/2025 17:06	WG2516340
n-Propylbenzene	ND		1.00	1	05/16/2025 17:06	WG2516340
Styrene	ND	J3	1.00	1	05/16/2025 17:06	WG2516340
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/16/2025 17:06	WG2516340
1,1,2,2-Tetrachloroethane	ND		1.00	1	05/16/2025 17:06	WG2516340
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	05/16/2025 17:06	WG2516340
Tetrachloroethene	ND	J3	1.00	1	05/16/2025 17:06	WG2516340
Toluene	ND	J3	1.00	1	05/16/2025 17:06	WG2516340
1,2,3-Trichlorobenzene	ND	C3	1.00	1	05/16/2025 17:06	WG2516340
1,2,4-Trichlorobenzene	ND	C3	1.00	1	05/16/2025 17:06	WG2516340

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		1.00	1	05/16/2025 17:06	WG2516340
1,1,2-Trichloroethane	ND		1.00	1	05/16/2025 17:06	WG2516340
Trichloroethene	ND	J3	1.00	1	05/16/2025 17:06	WG2516340
Trichlorofluoromethane	ND		5.00	1	05/16/2025 17:06	WG2516340
1,2,3-Trichloropropane	ND		2.50	1	05/16/2025 17:06	WG2516340
1,2,4-Trimethylbenzene	ND		1.00	1	05/16/2025 17:06	WG2516340
1,2,3-Trimethylbenzene	ND	J3	1.00	1	05/16/2025 17:06	WG2516340
1,3,5-Trimethylbenzene	ND		1.00	1	05/16/2025 17:06	WG2516340
Vinyl chloride	ND		1.00	1	05/16/2025 17:06	WG2516340
Xylenes, Total	ND		3.00	1	05/16/2025 17:06	WG2516340
(S) Toluene-d8	*102*		*80.0-120*		*05/16/2025 17:06*	WG2516340
(S) 4-Bromofluorobenzene	*98.5*		*77.0-126*		*05/16/2025 17:06*	WG2516340
(S) 1,2-Dichloroethane-d4	*111*		*70.0-130*		*05/16/2025 17:06*	WG2516340

Method Blank (MB)

(MB) R4216164-1 05/16/25 15:53

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

L1859689-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1859689-01 05/16/25 15:53 • (DUP) R4216164-3 05/16/25 15:53

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	76.5	78.9	1	3.12		10

Laboratory Control Sample (LCS)

(LCS) R4216164-2 05/16/25 15:53

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

Method Blank (MB)

(MB) R4216166-1 05/16/25 16:17

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

L1859668-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1859668-01 05/16/25 16:17 • (DUP) R4216166-3 05/16/25 16:17

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	90.4	93.6	1	3.50		10

Laboratory Control Sample (LCS)

(LCS) R4216166-2 05/16/25 16:17

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

QUALITY CONTROL SUMMARY

L1859689-01,02,03,04,05,06,07,14,16,17,18,19,20,21

Method Blank (MB)

(MB) R4216499-1 05/18/25 17:56

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Ammonia Nitrogen	U		7190	10000

L1859682-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1859682-01 05/18/25 18:05 • (DUP) R4216499-3 05/18/25 18:06

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

L1859689-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1859689-21 05/18/25 18:41 • (DUP) R4216499-6 05/18/25 18:42

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

Laboratory Control Sample (LCS)

(LCS) R4216499-2 05/18/25 17:57

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	250000	241000	96.3	90.0-110	

L1859689-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1859689-04 05/18/25 18:18 • (MS) R4216499-4 05/18/25 18:20 • (MSD) R4216499-5 05/18/25 18:21

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ammonia Nitrogen	312000	ND	356000	367000	114	118	1	90.0-110	J5	J5	3.02	20

Method Blank (MB)

(MB) R4216554-1 05/18/25 22:46

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Ammonia Nitrogen	U		7190	10000

L1859024-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1859024-01 05/18/25 22:50 • (DUP) R4216554-3 05/18/25 22:52

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

L1859689-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1859689-10 05/18/25 23:08 • (DUP) R4216554-6 05/18/25 23:10

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

Laboratory Control Sample (LCS)

(LCS) R4216554-2 05/18/25 22:47

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	250000	250000	100	90.0-110	

L1859689-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1859689-09 05/18/25 22:59 • (MS) R4216554-4 05/18/25 23:05 • (MSD) R4216554-5 05/18/25 23:07

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ammonia Nitrogen	285000	ND	305000	315000	107	110	1	90.0-110			3.08	20

QUALITY CONTROL SUMMARY

L1859689-01,02,04,05,06,07,09,10,11,12,13,14,16,17,18,19

Method Blank (MB)

(MB) R4216509-1 05/18/25 19:21

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Kjeldahl Nitrogen, TKN	U		15200	20000

L1859689-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1859689-05 05/18/25 19:33 • (DUP) R4216509-9 05/18/25 19:34

Analyte	Original Result (dry) ug/kg	DUP Result (dry) ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Kjeldahl Nitrogen, TKN	2170000	2610000	5	18.6		20

L1859689-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1859689-07 05/18/25 19:36 • (DUP) R4216509-11 05/18/25 19:37

Analyte	Original Result (dry) ug/kg	DUP Result (dry) ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Kjeldahl Nitrogen, TKN	529000	456000	5	14.7		20

Laboratory Control Sample (LCS)

(LCS) R4216509-3 05/18/25 19:22

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Kjeldahl Nitrogen, TKN	432000	471000	109	81.7-124	

L1858444-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858444-10 05/18/25 19:24 • (MS) R4216509-5 05/18/25 19:24 • (MSD) R4216509-7 05/18/25 19:26

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Kjeldahl Nitrogen, TKN	423000	330000	987000	986000	155	155	1	81.7-124	E J5	E J5	0.0124	20

L1859689-19 Original Sample (OS) • Matrix Spike (MS)

(OS) L1859689-19 05/18/25 19:50 • (MS) R4216509-13 05/18/25 19:51

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Kjeldahl Nitrogen, TKN	449000	646000	1040000	87.3	1	81.7-124	E

Method Blank (MB)

(MB) R4216498-1 05/18/25 17:32

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Kjeldahl Nitrogen, TKN	U		15200	20000

L1858912-23 Original Sample (OS) • Duplicate (DUP)

(OS) L1858912-23 05/18/25 17:40 • (DUP) R4216498-9 05/18/25 17:41

Analyte	Original Result (dry) ug/kg	DUP Result (dry) ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Kjeldahl Nitrogen, TKN	2180000	2150000	5	1.71		20

Laboratory Control Sample (LCS)

(LCS) R4216498-3 05/18/25 17:33

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Kjeldahl Nitrogen, TKN	432000	444000	103	81.7-124	

L1858440-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858440-08 05/18/25 17:34 • (MS) R4216498-5 05/18/25 17:36 • (MSD) R4216498-7 05/18/25 17:36

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Kjeldahl Nitrogen, TKN	481000	1600000	2110000	1950000	106	73.4	1	81.7-124	E	E J6	7.73	20

L1858912-29 Original Sample (OS) • Matrix Spike (MS)

(OS) L1858912-29 05/18/25 17:51 • (MS) R4216498-12 05/18/25 17:53

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Kjeldahl Nitrogen, TKN	428000	2300000	1680000	0.000	1	81.7-124	E V

QUALITY CONTROL SUMMARY

L1859689-21

Method Blank (MB)

(MB) R4216462-1 05/18/25 15:23

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Kjeldahl Nitrogen, TKN	U		15200	20000

L1859689-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1859689-21 05/18/25 15:37 • (DUP) R4216462-9 05/18/25 15:38

Analyte	Original Result (dry) ug/kg	DUP Result (dry) ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Kjeldahl Nitrogen, TKN	1260000	1300000	5	3.02		20

Laboratory Control Sample (LCS)

(LCS) R4216462-2 05/18/25 15:24

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Kjeldahl Nitrogen, TKN	432000	416000	96.4	81.7-124	

L1858923-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858923-01 05/18/25 15:27 • (MS) R4216462-3 05/18/25 15:28 • (MSD) R4216462-5 05/18/25 15:29

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Kjeldahl Nitrogen, TKN	469000	864000	1580000	1380000	152	109	1	81.7-124	E J5	E	13.6	20

L1858957-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858957-01 05/18/25 15:30 • (MS) R4216462-7 05/18/25 15:30 • (MSD) R4216462-8 05/18/25 15:32

Analyte	Spike Amount (dry) ug/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Kjeldahl Nitrogen, TKN	470000	298000	457000	547000	33.9	53.0	1	81.7-124	J6	J6	17.9	20

Method Blank (MB)

(MB) R4216127-1 05/16/25 18:37

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Nitrate-Nitrite	614	J	606	20000

Laboratory Control Sample (LCS)

(LCS) R4216127-2 05/16/25 18:53

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	40000	36600	91.6	80.0-120	

L1859689-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1859689-14 05/17/25 00:37 • (MS) R4216127-3 05/17/25 00:53 • (MSD) R4216127-4 05/17/25 01:09

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	49100	ND	59500	56300	89.8	83.1	1	80.0-120			5.63	15

Method Blank (MB)

(MB) R4216128-1 05/17/25 01:58

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Nitrate-Nitrite	U		606	20000

Laboratory Control Sample (LCS)

(LCS) R4216128-2 05/17/25 02:15

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	40000	35900	89.8	80.0-120	

L1859689-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1859689-21 05/17/25 03:53 • (MS) R4216128-3 05/17/25 04:09 • (MSD) R4216128-4 05/17/25 04:26

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	45800	ND	ND	ND	0.000	0.000	5	80.0-120	J6	J6	0.493	15

Sample Narrative:

OS: Dilution due to matrix impact on instrumentation at lower dilution

Method Blank (MB)

(MB) R4216281-1 05/17/25 15:59

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
TOC By Walkley Black	U		25500	100000

L1858912-24 Original Sample (OS) • Duplicate (DUP)

(OS) L1858912-24 05/17/25 16:02 • (DUP) R4216281-3 05/17/25 16:02

Analyte	Original Result ug/kg	DUP Result ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC By Walkley Black	25800000	27300000	5	5.62		20

L1859689-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1859689-06 05/17/25 16:11 • (DUP) R4216281-4 05/17/25 16:12

Analyte	Original Result ug/kg	DUP Result ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC By Walkley Black	11300000	6770000	5	50.2	J3	20

Laboratory Control Sample (LCS)

(LCS) R4216281-2 05/17/25 16:00

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC By Walkley Black	3230000	4320000	134	75.0-144	

L1859689-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1859689-11 05/17/25 16:14 • (MS) R4216281-5 05/17/25 16:15 • (MSD) R4216281-6 05/17/25 16:15

Analyte	Spike Amount ug/kg	Original Result ug/kg	MS Result ug/kg	MSD Result ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC By Walkley Black	20000000	20200000	43800000	39500000	118	96.6	5	80.0-120			10.3	20

Method Blank (MB)

(MB) R4216273-1 05/17/25 14:58

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
TOC By Walkley Black	U		25500	100000

L1859684-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1859684-01 05/17/25 15:01 • (DUP) R4216273-5 05/17/25 15:01

Analyte	Original Result ug/kg	DUP Result ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC By Walkley Black	9630000	6840000	5	33.9	J3	20

L1859689-19 Original Sample (OS) • Duplicate (DUP)

(OS) L1859689-19 05/17/25 15:09 • (DUP) R4216273-6 05/17/25 15:09

Analyte	Original Result ug/kg	DUP Result ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC By Walkley Black	6810000	7110000	5	4.31		20

Laboratory Control Sample (LCS)

(LCS) R4216273-2 05/17/25 14:58

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC By Walkley Black	3230000	2510000	77.7	75.0-144	

L1859668-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1859668-01 05/17/25 14:59 • (MS) R4216273-3 05/17/25 14:59 • (MSD) R4216273-4 05/17/25 15:00

Analyte	Spike Amount ug/kg	Original Result ug/kg	MS Result ug/kg	MSD Result ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC By Walkley Black	20000000	3630000	22500000	25300000	94.1	108	5	80.0-120			11.8	20

Method Blank (MB)

(MB) R4218245-1 05/21/25 15:24

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
TOC By Walkley Black	U		25500	100000

L1859689-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1859689-06 05/21/25 15:25 • (DUP) R4218245-3 05/21/25 15:25

Analyte	Original Result ug/kg	DUP Result ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC By Walkley Black	8250000	9210000	4	11.0		20

L1860341-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1860341-02 05/21/25 15:26 • (DUP) R4218245-4 05/21/25 15:26

Analyte	Original Result ug/kg	DUP Result ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC By Walkley Black	17500000	19000000	5	8.18		20

Laboratory Control Sample (LCS)

(LCS) R4218245-2 05/21/25 15:24

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC By Walkley Black	3230000	4440000	138	75.0-144	

L1860349-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1860349-06 05/21/25 15:27 • (MS) R4218245-5 05/21/25 15:28 • (MSD) R4218245-6 05/21/25 15:28

Analyte	Spike Amount ug/kg	Original Result ug/kg	MS Result ug/kg	MSD Result ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC By Walkley Black	4000000	1470000	5720000	5330000	106	96.7	1	80.0-120			6.93	20

Method Blank (MB)

(MB) R4216073-1 05/16/25 19:20

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Aluminum	U		6080	20000
Antimony	U		691	2000
Beryllium	U		47.7	200
Calcium	U		19000	100000
Cobalt	U		177	1000
Iron	U		2240	10000
Magnesium	U		19900	100000
Manganese	U		173	1000
Potassium	U		20900	100000
Sodium	U		41200	100000
Thallium	U		518	2000
Vanadium	U		383	2000

Laboratory Control Sample (LCS)

(LCS) R4216073-2 05/16/25 19:22

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	1000000	1050000	105	80.0-120	
Antimony	100000	98000	98.0	80.0-120	
Beryllium	100000	105000	105	80.0-120	
Calcium	1000000	1040000	104	80.0-120	
Cobalt	100000	101000	101	80.0-120	
Iron	1000000	1060000	106	80.0-120	
Magnesium	1000000	1020000	102	80.0-120	
Manganese	100000	105000	105	80.0-120	
Potassium	1000000	1060000	106	80.0-120	
Sodium	1000000	1180000	118	80.0-120	
Thallium	100000	106000	106	80.0-120	
Vanadium	100000	104000	104	80.0-120	

L1859658-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1859658-01 05/16/25 19:25 • (MS) R4216073-5 05/16/25 19:32 • (MSD) R4216073-6 05/16/25 19:34

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aluminum	1260000	3500000	6700000	5040000	254	122	1	75.0-125	J5	J3	28.2	20
Antimony	126000	ND	97200	103000	77.1	81.9	1	75.0-125			6.11	20

L1859658-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1859658-01 05/16/25 19:25 • (MS) R4216073-5 05/16/25 19:32 • (MSD) R4216073-6 05/16/25 19:34

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Beryllium	126000	391	120000	124000	94.5	97.9	1	75.0-125			3.54	20
Calcium	1260000	11200000	13500000	13000000	179	137	1	75.0-125	V	V	4.00	20
Cobalt	126000	3290	123000	126000	94.7	97.3	1	75.0-125			2.69	20
Iron	1260000	6360000	10000000	7230000	290	69.4	1	75.0-125	V	J3 V	32.3	20
Magnesium	1260000	3260000	5150000	4620000	149	108	1	75.0-125	J5		10.7	20
Manganese	126000	194000	330000	317000	108	97.6	1	75.0-125			4.14	20
Potassium	1260000	1580000	3120000	2730000	123	91.5	1	75.0-125			13.4	20
Sodium	1260000	768000	2000000	1950000	97.4	94.1	1	75.0-125			2.14	20
Thallium	126000	ND	120000	125000	95.3	98.8	1	75.0-125			3.60	20
Vanadium	126000	11200	129000	131000	93.2	94.8	1	75.0-125			1.59	20

Method Blank (MB)

(MB) R4216074-1 05/16/25 20:44

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Aluminum	U		6080	20000
Antimony	U		691	2000
Beryllium	U		47.7	200
Calcium	U		19000	100000
Cobalt	U		177	1000
Iron	U		2240	10000
Magnesium	U		19900	100000
Manganese	U		173	1000
Potassium	U		20900	100000
Sodium	U		41200	100000
Thallium	U		518	2000
Vanadium	U		383	2000

Laboratory Control Sample (LCS)

(LCS) R4216074-2 05/16/25 20:46

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	1000000	937000	93.7	80.0-120	
Antimony	100000	88900	88.9	80.0-120	
Beryllium	100000	94500	94.5	80.0-120	
Calcium	1000000	938000	93.8	80.0-120	
Cobalt	100000	91400	91.4	80.0-120	
Iron	1000000	956000	95.6	80.0-120	
Magnesium	1000000	922000	92.2	80.0-120	
Manganese	100000	94800	94.8	80.0-120	
Potassium	1000000	945000	94.5	80.0-120	
Sodium	1000000	959000	95.9	80.0-120	
Thallium	100000	95600	95.6	80.0-120	
Vanadium	100000	93600	93.6	80.0-120	

L1859689-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1859689-21 05/16/25 20:49 • (MS) R4216074-5 05/16/25 20:56 • (MSD) R4216074-6 05/16/25 20:59

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aluminum	1140000	3400000	4120000	4540000	62.8	99.9	1	75.0-125	J6		9.82	20
Antimony	114000	ND	107000	90000	93.6	78.7	1	75.0-125			17.3	20

L1859689-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1859689-21 05/16/25 20:49 • (MS) R4216074-5 05/16/25 20:56 • (MSD) R4216074-6 05/16/25 20:59

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Beryllium	114000	456	128000	107000	111	93.1	1	75.0-125			17.6	20
Calcium	1140000	27100000	25800000	25200000	0.000	0.000	1	75.0-125	V	V	2.36	20
Cobalt	114000	3310	130000	110000	110	93.1	1	75.0-125			16.4	20
Iron	1140000	5050000	4580000	6300000	0.000	109	1	75.0-125	V	J3	31.6	20
Magnesium	1140000	2920000	3720000	3810000	69.4	77.2	1	75.0-125	J6		2.37	20
Manganese	114000	219000	325000	315000	92.3	83.8	1	75.0-125			3.02	20
Potassium	1140000	2550000	3620000	3450000	93.5	77.9	1	75.0-125			5.05	20
Sodium	1140000	138000	1450000	1210000	115	93.3	1	75.0-125			18.7	20
Thallium	114000	ND	128000	107000	112	93.8	1	75.0-125			17.8	20
Vanadium	114000	12500	133000	114000	105	88.8	1	75.0-125			15.0	20

Method Blank (MB)

(MB) R4215939-2 05/16/25 10:10

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
2-Chlorotoluene	U		0.106	1.00
4-Chlorotoluene	U		0.114	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
2,2-Dichloropropane	U		0.161	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.137	1.00
Hexachloro-1,3-butadiene	U		0.337	1.00

Method Blank (MB)

(MB) R4215939-2 05/16/25 10:10

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Isopropylbenzene	U		0.105	1.00
p-Isopropyltoluene	U		0.120	1.00
2-Butanone (MEK)	U		1.19	10.0
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	1.00
1,2,3-Trimethylbenzene	U		0.104	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*93.9*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*99.5*			*70.0-130*

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

(LCS) R4215939-1 05/16/25 08:43 • (LCSD) R4215939-3 05/16/25 10:54

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	21.5	21.3	86.0	85.2	19.0-160			0.935	27
Acrolein	25.0	15.5	61.9	62.0	248	10.0-160		J3 J4	120	26
Acrylonitrile	25.0	24.0	22.2	96.0	88.8	55.0-149			7.79	20
Benzene	5.00	5.69	4.72	114	94.4	70.0-123			18.6	20

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

(LCS) R4215939-1 05/16/25 08:43 • (LCSD) R4215939-3 05/16/25 10:54

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromobenzene	5.00	6.15	5.07	123	101	73.0-121	J4		19.3	20
Bromodichloromethane	5.00	5.84	4.90	117	98.0	75.0-120			17.5	20
Bromoform	5.00	5.22	4.83	104	96.6	68.0-132			7.76	20
Bromomethane	5.00	4.92	4.03	98.4	80.6	10.0-160			19.9	25
n-Butylbenzene	5.00	5.10	4.67	102	93.4	73.0-125			8.80	20
sec-Butylbenzene	5.00	5.89	4.99	118	99.8	75.0-125			16.5	20
tert-Butylbenzene	5.00	6.01	4.76	120	95.2	76.0-124		J3	23.2	20
Carbon tetrachloride	5.00	5.46	4.66	109	93.2	68.0-126			15.8	20
Chlorobenzene	5.00	5.90	4.96	118	99.2	80.0-121			17.3	20
Chlorodibromomethane	5.00	5.72	4.69	114	93.8	77.0-125			19.8	20
Chloroethane	5.00	6.31	4.79	126	95.8	47.0-150		J3	27.4	20
Chloroform	5.00	5.67	4.98	113	99.6	73.0-120			13.0	20
Chloromethane	5.00	3.98	4.29	79.6	85.8	41.0-142			7.50	20
2-Chlorotoluene	5.00	6.13	5.15	123	103	76.0-123			17.4	20
4-Chlorotoluene	5.00	6.02	4.99	120	99.8	75.0-122			18.7	20
1,2-Dibromo-3-Chloropropane	5.00	4.52	3.89	90.4	77.8	58.0-134			15.0	20
1,2-Dibromoethane	5.00	5.89	5.43	118	109	80.0-122			8.13	20
Dibromomethane	5.00	5.67	4.73	113	94.6	80.0-120			18.1	20
1,2-Dichlorobenzene	5.00	5.46	4.68	109	93.6	79.0-121			15.4	20
1,3-Dichlorobenzene	5.00	5.81	4.88	116	97.6	79.0-120			17.4	20
1,4-Dichlorobenzene	5.00	5.74	4.99	115	99.8	79.0-120			14.0	20
Dichlorodifluoromethane	5.00	4.84	4.40	96.8	88.0	51.0-149			9.52	20
1,1-Dichloroethane	5.00	5.57	5.03	111	101	70.0-126			10.2	20
1,2-Dichloroethane	5.00	5.81	4.86	116	97.2	70.0-128			17.8	20
1,1-Dichloroethene	5.00	5.05	4.31	101	86.2	71.0-124			15.8	20
cis-1,2-Dichloroethene	5.00	5.35	4.92	107	98.4	73.0-120			8.37	20
trans-1,2-Dichloroethene	5.00	5.57	4.64	111	92.8	73.0-120			18.2	20
1,2-Dichloropropane	5.00	5.65	4.73	113	94.6	77.0-125			17.7	20
1,1-Dichloropropene	5.00	5.56	5.04	111	101	74.0-126			9.81	20
1,3-Dichloropropane	5.00	6.08	4.98	122	99.6	80.0-120	J4		19.9	20
cis-1,3-Dichloropropene	5.00	5.65	4.95	113	99.0	80.0-123			13.2	20
trans-1,3-Dichloropropene	5.00	5.78	5.05	116	101	78.0-124			13.5	20
2,2-Dichloropropane	5.00	4.76	5.85	95.2	117	58.0-130		J3	20.5	20
Di-isopropyl ether	5.00	5.56	4.61	111	92.2	58.0-138			18.7	20
Ethylbenzene	5.00	5.97	4.75	119	95.0	79.0-123		J3	22.8	20
Hexachloro-1,3-butadiene	5.00	4.23	4.24	84.6	84.8	54.0-138			0.236	20
Isopropylbenzene	5.00	5.69	4.05	114	81.0	76.0-127		J3	33.7	20
p-Isopropyltoluene	5.00	5.60	4.58	112	91.6	76.0-125			20.0	20
2-Butanone (MEK)	25.0	28.7	24.0	115	96.0	44.0-160			17.8	20
Methylene Chloride	5.00	5.84	4.96	117	99.2	67.0-120			16.3	20

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

(LCS) R4215939-1 05/16/25 08:43 • (LCSD) R4215939-3 05/16/25 10:54

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	25.0	29.7	24.6	119	98.4	68.0-142			18.8	20
Methyl tert-butyl ether	5.00	5.31	4.78	106	95.6	68.0-125			10.5	20
Naphthalene	5.00	3.64	3.24	72.8	64.8	54.0-135			11.6	20
n-Propylbenzene	5.00	5.90	4.85	118	97.0	77.0-124			19.5	20
Styrene	5.00	5.87	4.73	117	94.6	73.0-130		J3	21.5	20
1,1,1,2-Tetrachloroethane	5.00	5.68	4.92	114	98.4	75.0-125			14.3	20
1,1,2,2-Tetrachloroethane	5.00	5.49	5.54	110	111	65.0-130			0.907	20
1,1,2-Trichlorotrifluoroethane	5.00	5.27	4.61	105	92.2	69.0-132			13.4	20
Tetrachloroethene	5.00	6.14	4.94	123	98.8	72.0-132		J3	21.7	20
Toluene	5.00	5.94	4.69	119	93.8	79.0-120		J3	23.5	20
1,2,3-Trichlorobenzene	5.00	3.85	3.46	77.0	69.2	50.0-138			10.7	20
1,2,4-Trichlorobenzene	5.00	3.73	3.55	74.6	71.0	57.0-137			4.95	20
1,1,1-Trichloroethane	5.00	5.63	4.82	113	96.4	73.0-124			15.5	20
1,1,2-Trichloroethane	5.00	5.93	4.94	119	98.8	80.0-120			18.2	20
Trichloroethene	5.00	6.00	4.00	120	80.0	78.0-124		J3	40.0	20
Trichlorofluoromethane	5.00	4.41	4.64	88.2	92.8	59.0-147			5.08	20
1,2,3-Trichloropropane	5.00	6.07	5.31	121	106	73.0-130			13.4	20
1,2,4-Trimethylbenzene	5.00	5.91	4.84	118	96.8	76.0-121			19.9	20
1,2,3-Trimethylbenzene	5.00	5.80	4.69	116	93.8	77.0-120		J3	21.2	20
1,3,5-Trimethylbenzene	5.00	5.78	4.75	116	95.0	76.0-122			19.6	20
Vinyl chloride	5.00	4.24	3.82	84.8	76.4	67.0-131			10.4	20
Xylenes, Total	15.0	17.2	14.6	115	97.3	79.0-123			16.4	20
(S) Toluene-d8				*102*	*99.7*	*80.0-120*				
(S) 4-Bromofluorobenzene				*99.6*	*96.9*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*96.2*	*98.6*	*70.0-130*				

Method Blank (MB)

(MB) R4216050-3 05/16/25 14:45

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Acetone	U		36.5	50.0
Acrylonitrile	U		3.61	12.5
Bromobenzene	U		0.900	12.5
Bromodichloromethane	U		0.725	2.50
Bromoform	U		1.17	25.0
Bromomethane	2.78	J	1.97	12.5
n-Butylbenzene	U		5.25	12.5
sec-Butylbenzene	U		2.88	12.5
tert-Butylbenzene	U		1.95	5.00
Carbon tetrachloride	U		0.898	5.00
Chlorobenzene	U		0.210	2.50
Chlorodibromomethane	U		0.612	2.50
Chloroethane	U		1.70	5.00
Chloroform	U		1.03	2.50
Chloromethane	U		4.35	12.5
2-Chlorotoluene	U		0.865	2.50
4-Chlorotoluene	U		0.450	5.00
1,2-Dibromo-3-Chloropropane	U		3.90	25.0
1,2-Dibromoethane	U		0.648	2.50
Dibromomethane	U		0.750	5.00
1,2-Dichlorobenzene	U		0.425	5.00
1,3-Dichlorobenzene	U		0.600	5.00
1,4-Dichlorobenzene	U		0.700	5.00
Dichlorodifluoromethane	U		1.61	5.00
1,1-Dichloroethane	U		0.491	2.50
1,2-Dichloroethane	U		0.649	2.50
1,1-Dichloroethene	U		0.606	2.50
cis-1,2-Dichloroethene	U		0.734	2.50
trans-1,2-Dichloroethene	U		1.04	5.00
1,2-Dichloropropane	U		1.42	5.00
1,1-Dichloropropene	U		0.809	2.50
1,3-Dichloropropane	U		0.501	5.00
cis-1,3-Dichloropropene	U		0.757	2.50
trans-1,3-Dichloropropene	U		1.14	5.00
2,2-Dichloropropane	U		1.38	2.50
Di-isopropyl ether	U		0.410	1.00
Hexachloro-1,3-butadiene	U		6.00	25.0
Isopropylbenzene	U		0.425	2.50
p-Isopropyltoluene	U		2.55	5.00
2-Butanone (MEK)	U		63.5	100

Method Blank (MB)

(MB) R4216050-3 05/16/25 14:45

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Methylene Chloride	U		6.64	25.0
4-Methyl-2-pentanone (MIBK)	U		2.28	25.0
Methyl tert-butyl ether	0.350	J	0.350	1.00
n-Propylbenzene	U		0.950	5.00
Styrene	U		0.229	12.5
1,1,1,2-Tetrachloroethane	U		0.948	2.50
1,1,2,2-Tetrachloroethane	U		0.695	2.50
1,1,2-Trichlorotrifluoroethane	U		0.754	2.50
Tetrachloroethene	U		0.896	2.50
1,2,3-Trichlorobenzene	U		7.33	12.5
1,2,4-Trichlorobenzene	U		4.40	12.5
1,1,1-Trichloroethane	U		0.923	2.50
1,1,2-Trichloroethane	U		0.597	2.50
Trichloroethene	U		0.584	1.00
Trichlorofluoromethane	U		0.827	2.50
1,2,3-Trichloropropane	U		1.62	12.5
1,2,3-Trimethylbenzene	U		1.58	5.00
Vinyl chloride	U		1.16	2.50
(S) Toluene-d8	*105*			*75.0-131*
(S) 4-Bromofluorobenzene	*99.2*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*

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

(LCS) R4216050-1 05/16/25 13:05 • (LCSD) R4216050-2 05/16/25 13:25

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCSD Result ug/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	625	600	431	96.0	69.0	10.0-160		J3	32.8	31
Acrylonitrile	625	654	624	105	99.8	45.0-153			4.69	22
Bromobenzene	125	135	135	108	108	73.0-121			0.000	20
Bromodichloromethane	125	121	110	96.8	88.0	73.0-121			9.52	20
Bromoform	125	130	123	104	98.4	64.0-132			5.53	20
Bromomethane	125	110	98.0	88.0	78.4	56.0-147			11.5	20
n-Butylbenzene	125	128	128	102	102	68.0-135			0.000	20
sec-Butylbenzene	125	138	135	110	108	74.0-130			2.20	20
tert-Butylbenzene	125	138	137	110	110	75.0-127			0.727	20
Carbon tetrachloride	125	112	109	89.6	87.2	66.0-128			2.71	20
Chlorobenzene	125	129	125	103	100	76.0-128			3.15	20
Chlorodibromomethane	125	129	127	103	102	74.0-127			1.56	20

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

(LCS) R4216050-1 05/16/25 13:05 • (LCSD) R4216050-2 05/16/25 13:25

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCSD Result ug/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chloroethane	125	93.3	84.8	74.6	67.8	61.0-134			9.55	20
Chloroform	125	116	109	92.8	87.2	72.0-123			6.22	20
Chloromethane	125	97.3	91.1	77.8	72.9	51.0-138			6.58	20
2-Chlorotoluene	125	133	132	106	106	75.0-124			0.755	20
4-Chlorotoluene	125	136	135	109	108	75.0-124			0.738	20
1,2-Dibromo-3-Chloropropane	125	123	116	98.4	92.8	59.0-130			5.86	20
1,2-Dibromoethane	125	132	126	106	101	74.0-128			4.65	20
Dibromomethane	125	119	112	95.2	89.6	75.0-122			6.06	20
1,2-Dichlorobenzene	125	125	126	100	101	76.0-124			0.797	20
1,3-Dichlorobenzene	125	130	129	104	103	76.0-125			0.772	20
1,4-Dichlorobenzene	125	127	126	102	101	77.0-121			0.791	20
Dichlorodifluoromethane	125	81.3	88.5	65.0	70.8	43.0-156			8.48	20
1,1-Dichloroethane	125	114	107	91.2	85.6	70.0-127			6.33	20
1,2-Dichloroethane	125	121	115	96.8	92.0	65.0-131			5.08	20
1,1-Dichloroethene	125	107	95.1	85.6	76.1	65.0-131			11.8	20
cis-1,2-Dichloroethene	125	114	106	91.2	84.8	73.0-125			7.27	20
trans-1,2-Dichloroethene	125	109	96.5	87.2	77.2	71.0-125			12.2	20
1,2-Dichloropropane	125	113	105	90.4	84.0	74.0-125			7.34	20
1,1-Dichloropropene	125	112	114	89.6	91.2	73.0-125			1.77	20
1,3-Dichloropropane	125	124	123	99.2	98.4	80.0-125			0.810	20
cis-1,3-Dichloropropene	125	113	109	90.4	87.2	76.0-127			3.60	20
trans-1,3-Dichloropropene	125	134	132	107	106	73.0-127			1.50	20
2,2-Dichloropropane	125	120	115	96.0	92.0	59.0-135			4.26	20
Di-isopropyl ether	125	110	104	88.0	83.2	60.0-136			5.61	20
Hexachloro-1,3-butadiene	125	104	107	83.2	85.6	57.0-150			2.84	20
Isopropylbenzene	125	132	115	106	92.0	72.0-127			13.8	20
p-Isopropyltoluene	125	135	131	108	105	72.0-133			3.01	20
2-Butanone (MEK)	625	672	564	108	90.2	30.0-160			17.5	24
Methylene Chloride	125	110	102	88.0	81.6	68.0-123			7.55	20
4-Methyl-2-pentanone (MIBK)	625	705	674	113	108	56.0-143			4.50	20
Methyl tert-butyl ether	125	116	110	92.8	88.0	66.0-132			5.31	20
n-Propylbenzene	125	135	132	108	106	74.0-126			2.25	20
Styrene	125	129	126	103	101	72.0-127			2.35	20
1,1,1,2-Tetrachloroethane	125	132	127	106	102	74.0-129			3.86	20
1,1,2,2-Tetrachloroethane	125	134	133	107	106	68.0-128			0.749	20
1,1,2-Trichlorotrifluoroethane	125	106	94.9	84.8	75.9	61.0-139			11.1	20
Tetrachloroethene	125	130	124	104	99.2	70.0-136			4.72	20
1,2,3-Trichlorobenzene	125	67.3	84.9	53.8	67.9	59.0-139	J4	J3	23.1	20
1,2,4-Trichlorobenzene	125	91.4	98.8	73.1	79.0	62.0-137			7.78	20
1,1,1-Trichloroethane	125	114	107	91.2	85.6	69.0-126			6.33	20

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

(LCS) R4216050-1 05/16/25 13:05 • (LCSD) R4216050-2 05/16/25 13:25

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCSD Result ug/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichloroethane	125	137	136	110	109	78.0-123			0.733	20
Trichloroethene	125	113	103	90.4	82.4	76.0-126			9.26	20
Trichlorofluoromethane	125	101	100	80.8	80.0	61.0-142			0.995	20
1,2,3-Trichloropropane	125	145	151	116	121	67.0-129			4.05	20
1,2,3-Trimethylbenzene	125	133	132	106	106	74.0-124			0.755	20
Vinyl chloride	125	89.8	85.9	71.8	68.7	63.0-134			4.44	20
(S) Toluene-d8				*106*	*106*	*75.0-131*				
(S) 4-Bromofluorobenzene				*97.8*	*98.3*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*104*	*103*	*70.0-130*				

Method Blank (MB)

(MB) R4216188-3 05/16/25 15:17

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Acetone	U		36.5	50.0
Acrylonitrile	U		3.61	12.5
Bromobenzene	U		0.900	12.5
Bromodichloromethane	U		0.725	2.50
Bromoform	U		1.17	25.0
Bromomethane	U		1.97	12.5
n-Butylbenzene	U		5.25	12.5
sec-Butylbenzene	U		2.88	12.5
tert-Butylbenzene	U		1.95	5.00
Carbon tetrachloride	U		0.898	5.00
Chlorobenzene	U		0.210	2.50
Chlorodibromomethane	U		0.612	2.50
Chloroethane	U		1.70	5.00
Chloroform	U		1.03	2.50
Chloromethane	U		4.35	12.5
2-Chlorotoluene	U		0.865	2.50
4-Chlorotoluene	U		0.450	5.00
1,2-Dibromo-3-Chloropropane	U		3.90	25.0
1,2-Dibromoethane	U		0.648	2.50
Dibromomethane	U		0.750	5.00
1,2-Dichlorobenzene	U		0.425	5.00
1,3-Dichlorobenzene	U		0.600	5.00
1,4-Dichlorobenzene	U		0.700	5.00
Dichlorodifluoromethane	U		1.61	5.00
1,1-Dichloroethane	U		0.491	2.50
1,2-Dichloroethane	U		0.649	2.50
1,1-Dichloroethene	U		0.606	2.50
cis-1,2-Dichloroethene	U		0.734	2.50
trans-1,2-Dichloroethene	U		1.04	5.00
1,2-Dichloropropane	U		1.42	5.00
1,1-Dichloropropene	U		0.809	2.50
1,3-Dichloropropane	U		0.501	5.00
cis-1,3-Dichloropropene	U		0.757	2.50
trans-1,3-Dichloropropene	U		1.14	5.00
2,2-Dichloropropane	U		1.38	2.50
Di-isopropyl ether	U		0.410	1.00
Hexachloro-1,3-butadiene	U		6.00	25.0
Isopropylbenzene	U		0.425	2.50
p-Isopropyltoluene	U		2.55	5.00
2-Butanone (MEK)	U		63.5	100

Method Blank (MB)

(MB) R4216188-3 05/16/25 15:17

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Methylene Chloride	U		6.64	25.0
4-Methyl-2-pentanone (MIBK)	U		2.28	25.0
Methyl tert-butyl ether	U		0.350	1.00
n-Propylbenzene	U		0.950	5.00
Styrene	U		0.229	12.5
1,1,1,2-Tetrachloroethane	U		0.948	2.50
1,1,2,2-Tetrachloroethane	U		0.695	2.50
1,1,2-Trichlorotrifluoroethane	U		0.754	2.50
Tetrachloroethene	U		0.896	2.50
1,2,3-Trichlorobenzene	U		7.33	12.5
1,2,4-Trichlorobenzene	U		4.40	12.5
1,1,1-Trichloroethane	U		0.923	2.50
1,1,2-Trichloroethane	U		0.597	2.50
Trichloroethene	U		0.584	1.00
Trichlorofluoromethane	U		0.827	2.50
1,2,3-Trichloropropane	U		1.62	12.5
1,2,3-Trimethylbenzene	U		1.58	5.00
Vinyl chloride	U		1.16	2.50
(S) Toluene-d8	*101*			*75.0-131*
(S) 4-Bromofluorobenzene	*102*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*99.1*			*70.0-130*

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

(LCS) R4216188-1 05/16/25 13:42 • (LCSD) R4216188-2 05/16/25 14:00

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCSD Result ug/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	625	587	538	93.9	86.1	10.0-160			8.71	31
Acrylonitrile	625	772	542	124	86.7	45.0-153		J3	35.0	22
Bromobenzene	125	113	116	90.4	92.8	73.0-121			2.62	20
Bromodichloromethane	125	123	117	98.4	93.6	73.0-121			5.00	20
Bromoform	125	122	116	97.6	92.8	64.0-132			5.04	20
Bromomethane	125	93.5	112	74.8	89.6	56.0-147			18.0	20
n-Butylbenzene	125	128	130	102	104	68.0-135			1.55	20
sec-Butylbenzene	125	127	129	102	103	74.0-130			1.56	20
tert-Butylbenzene	125	122	123	97.6	98.4	75.0-127			0.816	20
Carbon tetrachloride	125	114	116	91.2	92.8	66.0-128			1.74	20
Chlorobenzene	125	117	116	93.6	92.8	76.0-128			0.858	20
Chlorodibromomethane	125	127	125	102	100	74.0-127			1.59	20

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

(LCS) R4216188-1 05/16/25 13:42 • (LCSD) R4216188-2 05/16/25 14:00

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCSD Result ug/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chloroethane	125	110	121	88.0	96.8	61.0-134			9.52	20
Chloroform	125	113	117	90.4	93.6	72.0-123			3.48	20
Chloromethane	125	106	109	84.8	87.2	51.0-138			2.79	20
2-Chlorotoluene	125	118	119	94.4	95.2	75.0-124			0.844	20
4-Chlorotoluene	125	116	118	92.8	94.4	75.0-124			1.71	20
1,2-Dibromo-3-Chloropropane	125	140	114	112	91.2	59.0-130		J3	20.5	20
1,2-Dibromoethane	125	123	120	98.4	96.0	74.0-128			2.47	20
Dibromomethane	125	121	110	96.8	88.0	75.0-122			9.52	20
1,2-Dichlorobenzene	125	123	119	98.4	95.2	76.0-124			3.31	20
1,3-Dichlorobenzene	125	121	120	96.8	96.0	76.0-125			0.830	20
1,4-Dichlorobenzene	125	112	117	89.6	93.6	77.0-121			4.37	20
Dichlorodifluoromethane	125	106	115	84.8	92.0	43.0-156			8.14	20
1,1-Dichloroethane	125	115	117	92.0	93.6	70.0-127			1.72	20
1,2-Dichloroethane	125	113	104	90.4	83.2	65.0-131			8.29	20
1,1-Dichloroethene	125	112	117	89.6	93.6	65.0-131			4.37	20
cis-1,2-Dichloroethene	125	118	116	94.4	92.8	73.0-125			1.71	20
trans-1,2-Dichloroethene	125	118	120	94.4	96.0	71.0-125			1.68	20
1,2-Dichloropropane	125	118	114	94.4	91.2	74.0-125			3.45	20
1,1-Dichloropropene	125	113	118	90.4	94.4	73.0-125			4.33	20
1,3-Dichloropropane	125	119	118	95.2	94.4	80.0-125			0.844	20
cis-1,3-Dichloropropene	125	122	119	97.6	95.2	76.0-127			2.49	20
trans-1,3-Dichloropropene	125	123	123	98.4	98.4	73.0-127			0.000	20
2,2-Dichloropropane	125	118	122	94.4	97.6	59.0-135			3.33	20
Di-isopropyl ether	125	119	114	95.2	91.2	60.0-136			4.29	20
Hexachloro-1,3-butadiene	125	152	143	122	114	57.0-150			6.10	20
Isopropylbenzene	125	123	122	98.4	97.6	72.0-127			0.816	20
p-Isopropyltoluene	125	130	130	104	104	72.0-133			0.000	20
2-Butanone (MEK)	625	912	582	146	93.1	30.0-160		J3	44.2	24
Methylene Chloride	125	112	113	89.6	90.4	68.0-123			0.889	20
4-Methyl-2-pentanone (MIBK)	625	694	603	111	96.5	56.0-143			14.0	20
Methyl tert-butyl ether	125	131	114	105	91.2	66.0-132			13.9	20
n-Propylbenzene	125	118	117	94.4	93.6	74.0-126			0.851	20
Styrene	125	120	122	96.0	97.6	72.0-127			1.65	20
1,1,1,2-Tetrachloroethane	125	123	117	98.4	93.6	74.0-129			5.00	20
1,1,2,2-Tetrachloroethane	125	123	117	98.4	93.6	68.0-128			5.00	20
1,1,2-Trichlorotrifluoroethane	125	107	109	85.6	87.2	61.0-139			1.85	20
Tetrachloroethene	125	115	118	92.0	94.4	70.0-136			2.58	20
1,2,3-Trichlorobenzene	125	148	132	118	106	59.0-139			11.4	20
1,2,4-Trichlorobenzene	125	144	131	115	105	62.0-137			9.45	20
1,1,1-Trichloroethane	125	115	118	92.0	94.4	69.0-126			2.58	20

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

(LCS) R4216188-1 05/16/25 13:42 • (LCSD) R4216188-2 05/16/25 14:00

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCSD Result ug/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichloroethane	125	123	121	98.4	96.8	78.0-123			1.64	20
Trichloroethene	125	117	113	93.6	90.4	76.0-126			3.48	20
Trichlorofluoromethane	125	104	112	83.2	89.6	61.0-142			7.41	20
1,2,3-Trichloropropane	125	129	114	103	91.2	67.0-129			12.3	20
1,2,3-Trimethylbenzene	125	121	117	96.8	93.6	74.0-124			3.36	20
Vinyl chloride	125	111	117	88.8	93.6	63.0-134			5.26	20
(S) Toluene-d8				*98.9*	*101*	*75.0-131*				
(S) 4-Bromofluorobenzene				*102*	*102*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*102*	*95.7*	*70.0-130*				

Method Blank (MB)

(MB) R4216119-2 05/16/25 20:26

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Acenaphthylene	U		4.69	33.3
Benzidine	U		62.6	1670
Benzo(g,h,i)perylene	U		6.09	33.3
Bis(2-chlorethoxy)methane	U		10.0	333
Bis(2-chloroethyl)ether	U		11.0	333
2,2-Oxybis(1-Chloropropane)	U		14.4	333
4-Bromophenyl-phenylether	U		11.7	333
2-Chloronaphthalene	U		5.85	33.3
4-Chlorophenyl-phenylether	U		11.6	333
1,2-Dichlorobenzene	U		9.87	333
1,3-Dichlorobenzene	U		10.1	333
1,4-Dichlorobenzene	U		9.91	333
3,3-Dichlorobenzidine	U		12.3	333
2,4-Dinitrotoluene	U		9.55	333
2,6-Dinitrotoluene	U		10.9	333
Hexachlorobenzene	U		11.8	333
Hexachloro-1,3-butadiene	U		11.2	333
Hexachlorocyclopentadiene	U		17.5	333
Hexachloroethane	U		13.1	333
Isophorone	U		10.2	333
Nitrobenzene	U		11.6	333
n-Nitrosodimethylamine	U		49.4	333
n-Nitrosodiphenylamine	U		25.2	333
n-Nitrosodi-n-propylamine	U		11.1	333
Phenanthrene	U		6.61	33.3
Benzylbutyl phthalate	U		10.4	333
Bis(2-ethylhexyl)phthalate	U		42.2	333
Di-n-butyl phthalate	U		11.4	333
Diethyl phthalate	U		11.0	333
Dimethyl phthalate	U		70.6	333
Di-n-octyl phthalate	U		22.5	333
1,2,4-Trichlorobenzene	U		10.4	333
4-Chloro-3-methylphenol	U		10.8	333
2-Chlorophenol	U		11.0	333
2,4-Dichlorophenol	U		9.70	333
2,4-Dimethylphenol	U		8.70	333
4,6-Dinitro-2-methylphenol	U		75.5	333
2,4-Dinitrophenol	U		77.9	333
2-Nitrophenol	U		11.9	333
4-Nitrophenol	U		10.4	333

Method Blank (MB)

(MB) R4216119-2 05/16/25 20:26

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Pentachlorophenol	U		8.96	333
Phenol	U		13.4	333
2,4,6-Trichlorophenol	U		10.7	333
(S) 2-Fluorophenol	*69.5*			*12.0-120*
(S) Phenol-d5	*67.4*			*10.0-120*
(S) Nitrobenzene-d5	*63.7*			*10.0-122*
(S) 2-Fluorobiphenyl	*54.1*			*15.0-120*
(S) 2,4,6-Tribromophenol	*51.2*			*10.0-127*
(S) p-Terphenyl-d14	*65.2*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4216119-1 05/16/25 20:05

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthylene	666	412	61.9	40.0-120	
Benzidine	1330	621	46.7	10.0-120	
Benzo(g,h,i)perylene	666	369	55.4	43.0-120	
Bis(2-chlorethoxy)methane	666	302	45.3	20.0-120	
Bis(2-chloroethyl)ether	666	348	52.3	16.0-120	
2,2-Oxybis(1-Chloropropane)	666	316	47.4	23.0-120	
4-Bromophenyl-phenylether	666	391	58.7	40.0-120	
2-Chloronaphthalene	666	338	50.8	35.0-120	
4-Chlorophenyl-phenylether	666	365	54.8	40.0-120	
1,2-Dichlorobenzene	666	312	46.8	32.0-120	
1,3-Dichlorobenzene	666	303	45.5	30.0-120	
1,4-Dichlorobenzene	666	325	48.8	31.0-120	
3,3-Dichlorobenzidine	1330	821	61.7	28.0-120	
2,4-Dinitrotoluene	666	391	58.7	45.0-120	
2,6-Dinitrotoluene	666	394	59.2	42.0-120	
Hexachlorobenzene	666	351	52.7	39.0-120	
Hexachloro-1,3-butadiene	666	251	37.7	15.0-120	
Hexachlorocyclopentadiene	666	235	35.3	15.0-120	
Hexachloroethane	666	297	44.6	17.0-120	
Isophorone	666	333	50.0	23.0-120	
Nitrobenzene	666	302	45.3	17.0-120	
n-Nitrosodimethylamine	666	316	47.4	10.0-125	
n-Nitrosodiphenylamine	666	406	61.0	40.0-120	
n-Nitrosodi-n-propylamine	666	371	55.7	26.0-120	

Laboratory Control Sample (LCS)

(LCS) R4216119-1 05/16/25 20:05

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Phenanthrene	666	359	53.9	42.0-120	
Benzylbutyl phthalate	666	462	69.4	40.0-120	
Bis(2-ethylhexyl)phthalate	666	444	66.7	41.0-120	
Di-n-butyl phthalate	666	414	62.2	43.0-120	
Diethyl phthalate	666	402	60.4	43.0-120	
Dimethyl phthalate	666	407	61.1	43.0-120	
Di-n-octyl phthalate	666	449	67.4	40.0-120	
1,2,4-Trichlorobenzene	666	282	42.3	17.0-120	
4-Chloro-3-methylphenol	666	337	50.6	28.0-120	
2-Chlorophenol	666	329	49.4	28.0-120	
2,4-Dichlorophenol	666	336	50.5	25.0-120	
2,4-Dimethylphenol	666	317	47.6	15.0-120	
4,6-Dinitro-2-methylphenol	666	324	48.6	16.0-120	
2,4-Dinitrophenol	666	195	29.3	10.0-120	
2-Nitrophenol	666	343	51.5	20.0-120	
4-Nitrophenol	666	414	62.2	27.0-120	
Pentachlorophenol	666	222	33.3	29.0-120	
Phenol	666	365	54.8	28.0-120	
2,4,6-Trichlorophenol	666	343	51.5	37.0-120	
(S) 2-Fluorophenol			*67.3*	*12.0-120*	
(S) Phenol-d5			*64.4*	*10.0-120*	
(S) Nitrobenzene-d5			*55.0*	*10.0-122*	
(S) 2-Fluorobiphenyl			*55.3*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*56.9*	*10.0-127*	
(S) p-Terphenyl-d14			*62.8*	*10.0-120*	

L1859658-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1859658-01 05/16/25 23:57 • (MS) R4216119-3 05/17/25 00:18 • (MSD) R4216119-4 05/17/25 00:39

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthylene	809	ND	463	446	57.2	55.0	2	25.0-120			3.61	32
Benzidine	1610	ND	ND	ND	0.000	0.000	2	10.0-120	J6	J6	0.000	40
Benzo(g,h,i)perylene	809	ND	387	410	47.8	50.5	2	10.0-120			5.70	33
Bis(2-chlorethoxy)methane	809	ND	ND	ND	46.1	45.0	2	10.0-120			2.05	34
Bis(2-chloroethyl)ether	809	ND	ND	ND	54.4	54.0	2	10.0-120			0.287	40
2,2-Oxybis(1-Chloropropane)	809	ND	ND	ND	51.1	49.7	2	10.0-120			2.47	40
4-Bromophenyl-phenylether	809	ND	ND	ND	51.7	53.3	2	27.0-120			3.26	30
2-Chloronaphthalene	809	ND	378	367	46.7	45.2	2	20.0-120			3.05	32

L1859658-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1859658-01 05/16/25 23:57 • (MS) R4216119-3 05/17/25 00:18 • (MSD) R4216119-4 05/17/25 00:39

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
4-Chlorophenyl-phenylether	809	ND	ND	ND	50.8	51.6	2	24.0-120			1.82	29
1,2-Dichlorobenzene	809	ND	ND	ND	46.4	44.7	2	10.0-120			3.41	38
1,3-Dichlorobenzene	809	ND	ND	ND	45.3	43.6	2	10.0-120			3.50	40
1,4-Dichlorobenzene	809	ND	ND	ND	47.2	45.5	2	10.0-120			3.36	39
3,3-Dichlorobenzidine	1610	ND	ND	ND	44.6	47.4	2	10.0-120			6.93	34
2,4-Dinitrotoluene	809	ND	ND	ND	51.9	54.3	2	30.0-120			4.98	31
2,6-Dinitrotoluene	809	ND	ND	ND	51.7	52.6	2	25.0-120			2.09	31
Hexachlorobenzene	809	ND	ND	ND	45.3	46.4	2	27.0-120			2.71	28
Hexachloro-1,3-butadiene	809	ND	ND	ND	38.5	37.3	2	10.0-120			2.87	38
Hexachlorocyclopentadiene	809	ND	ND	ND	6.78	5.87	2	10.0-120	J6	J6	14.0	40
Hexachloroethane	809	ND	ND	ND	36.9	35.2	2	10.0-120			4.31	40
Isophorone	809	ND	ND	ND	50.5	49.2	2	13.0-120			2.18	34
Nitrobenzene	809	ND	ND	ND	47.5	45.8	2	10.0-120			3.33	36
n-Nitrosodimethylamine	809	ND	ND	ND	43.3	42.1	2	10.0-127			2.55	40
n-Nitrosodiphenylamine	809	ND	ND	ND	55.9	57.3	2	17.0-120			2.75	29
n-Nitrosodi-n-propylamine	809	ND	ND	ND	58.1	56.5	2	10.0-120			2.44	37
Phenanthrene	809	ND	397	412	49.1	50.8	2	17.0-120			3.74	31
Benzylbutyl phthalate	809	ND	ND	ND	67.0	73.1	2	23.0-120			9.10	30
Bis(2-ethylhexyl)phthalate	809	ND	ND	ND	63.9	69.7	2	17.0-126			9.08	30
Di-n-butyl phthalate	809	ND	ND	ND	57.0	61.3	2	30.0-120			7.62	29
Diethyl phthalate	809	ND	ND	ND	55.9	57.5	2	26.0-120			3.02	28
Dimethyl phthalate	809	ND	ND	ND	53.4	53.4	2	25.0-120			0.291	29
Di-n-octyl phthalate	809	ND	ND	ND	79.3	84.3	2	21.0-123			6.46	29
1,2,4-Trichlorobenzene	809	ND	ND	ND	42.7	41.5	2	12.0-120			2.59	37
4-Chloro-3-methylphenol	809	ND	ND	ND	51.6	52.5	2	15.0-120			2.09	30
2-Chlorophenol	809	ND	ND	ND	48.9	46.9	2	15.0-120			3.90	37
2,4-Dichlorophenol	809	ND	ND	ND	50.0	50.2	2	20.0-120			0.621	31
2,4-Dimethylphenol	809	ND	ND	ND	50.0	47.4	2	10.0-120			5.11	33
4,6-Dinitro-2-methylphenol	809	ND	ND	ND	46.7	50.8	2	10.0-120			8.61	39
2,4-Dinitrophenol	809	ND	ND	ND	33.2	34.2	2	10.0-121			3.23	40
2-Nitrophenol	809	ND	ND	ND	53.4	52.6	2	12.0-120			1.17	39
4-Nitrophenol	809	ND	ND	ND	59.3	66.0	2	10.0-137			10.9	32
Pentachlorophenol	809	ND	ND	ND	40.7	44.6	2	10.0-160			9.49	31
Phenol	809	ND	ND	ND	54.2	52.8	2	12.0-120			2.33	38
2,4,6-Trichlorophenol	809	ND	ND	ND	48.3	48.8	2	19.0-120			1.28	32
(S) 2-Fluorophenol					*61.8*	*60.5*		*12.0-120*				
(S) Phenol-d5					*60.7*	*58.8*		*10.0-120*				
(S) Nitrobenzene-d5					*61.1*	*58.1*		*10.0-122*				
(S) 2-Fluorobiphenyl					*48.0*	*48.1*		*15.0-120*				

L1859658-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1859658-01 05/16/25 23:57 • (MS) R4216119-3 05/17/25 00:18 • (MSD) R4216119-4 05/17/25 00:39

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/kg	ug/kg	ug/kg	ug/kg	%	%		%			%	%
(S) 2,4,6-Tribromophenol					*50.1*	*55.2*		*10.0-127*				
(S) p-Terphenyl-d14					*53.3*	*58.7*		*10.0-120*				

Sample Narrative:

OS: Dilution due to matrix impact during extract concentration procedure

Method Blank (MB)

(MB) R4216331-2 05/17/25 16:37

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Acenaphthylene	U		4.69	33.3
Benzidine	U		62.6	1670
Benzo(g,h,i)perylene	U		6.09	33.3
Bis(2-chlorethoxy)methane	U		10.0	333
Bis(2-chloroethyl)ether	U		11.0	333
2,2-Oxybis(1-Chloropropane)	U		14.4	333
4-Bromophenyl-phenylether	U		11.7	333
2-Chloronaphthalene	U		5.85	33.3
4-Chlorophenyl-phenylether	U		11.6	333
1,2-Dichlorobenzene	U		9.87	333
1,3-Dichlorobenzene	U		10.1	333
1,4-Dichlorobenzene	U		9.91	333
3,3-Dichlorobenzidine	U		12.3	333
2,4-Dinitrotoluene	U		9.55	333
2,6-Dinitrotoluene	U		10.9	333
Hexachlorobenzene	U		11.8	333
Hexachloro-1,3-butadiene	U		11.2	333
Hexachlorocyclopentadiene	U		17.5	333
Hexachloroethane	U		13.1	333
Isophorone	U		10.2	333
Nitrobenzene	U		11.6	333
n-Nitrosodimethylamine	U		49.4	333
n-Nitrosodiphenylamine	U		25.2	333
n-Nitrosodi-n-propylamine	U		11.1	333
Phenanthrene	U		6.61	33.3
Benzylbutyl phthalate	U		10.4	333
Bis(2-ethylhexyl)phthalate	U		42.2	333
Di-n-butyl phthalate	U		11.4	333
Diethyl phthalate	U		11.0	333
Dimethyl phthalate	U		70.6	333
Di-n-octyl phthalate	U		22.5	333
1,2,4-Trichlorobenzene	U		10.4	333
4-Chloro-3-methylphenol	U		10.8	333
2-Chlorophenol	U		11.0	333
2,4-Dichlorophenol	U		9.70	333
2,4-Dimethylphenol	U		8.70	333
4,6-Dinitro-2-methylphenol	U		75.5	333
2,4-Dinitrophenol	U		77.9	333
2-Nitrophenol	U		11.9	333
4-Nitrophenol	U		10.4	333

Method Blank (MB)

(MB) R4216331-2 05/17/25 16:37

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Pentachlorophenol	U		8.96	333
Phenol	U		13.4	333
2,4,6-Trichlorophenol	U		10.7	333
(S) 2-Fluorophenol	*57.7*			*12.0-120*
(S) Phenol-d5	*48.2*			*10.0-120*
(S) Nitrobenzene-d5	*50.8*			*10.0-122*
(S) 2-Fluorobiphenyl	*55.3*			*15.0-120*
(S) 2,4,6-Tribromophenol	*65.0*			*10.0-127*
(S) p-Terphenyl-d14	*75.1*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4216331-1 05/17/25 16:16

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthylene	666	421	63.2	40.0-120	
Benzidine	1330	512	38.5	10.0-120	
Benzo(g,h,i)perylene	666	395	59.3	43.0-120	
Bis(2-chlorethoxy)methane	666	251	37.7	20.0-120	
Bis(2-chloroethyl)ether	666	276	41.4	16.0-120	
2,2-Oxybis(1-Chloropropane)	666	227	34.1	23.0-120	
4-Bromophenyl-phenylether	666	478	71.8	40.0-120	
2-Chloronaphthalene	666	347	52.1	35.0-120	
4-Chlorophenyl-phenylether	666	408	61.3	40.0-120	
1,2-Dichlorobenzene	666	298	44.7	32.0-120	
1,3-Dichlorobenzene	666	289	43.4	30.0-120	
1,4-Dichlorobenzene	666	307	46.1	31.0-120	
3,3-Dichlorobenzidine	1330	999	75.1	28.0-120	
2,4-Dinitrotoluene	666	435	65.3	45.0-120	
2,6-Dinitrotoluene	666	421	63.2	42.0-120	
Hexachlorobenzene	666	418	62.8	39.0-120	
Hexachloro-1,3-butadiene	666	304	45.6	15.0-120	
Hexachlorocyclopentadiene	666	259	38.9	15.0-120	
Hexachloroethane	666	283	42.5	17.0-120	
Isophorone	666	271	40.7	23.0-120	
Nitrobenzene	666	256	38.4	17.0-120	
n-Nitrosodimethylamine	666	357	53.6	10.0-125	
n-Nitrosodiphenylamine	666	408	61.3	40.0-120	
n-Nitrosodi-n-propylamine	666	275	41.3	26.0-120	

Laboratory Control Sample (LCS)

(LCS) R4216331-1 05/17/25 16:16

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Phenanthrene	666	394	59.2	42.0-120	
Benzylbutyl phthalate	666	458	68.8	40.0-120	
Bis(2-ethylhexyl)phthalate	666	448	67.3	41.0-120	
Di-n-butyl phthalate	666	441	66.2	43.0-120	
Diethyl phthalate	666	458	68.8	43.0-120	
Dimethyl phthalate	666	424	63.7	43.0-120	
Di-n-octyl phthalate	666	498	74.8	40.0-120	
1,2,4-Trichlorobenzene	666	298	44.7	17.0-120	
4-Chloro-3-methylphenol	666	333	50.0	28.0-120	
2-Chlorophenol	666	277	41.6	28.0-120	
2,4-Dichlorophenol	666	348	52.3	25.0-120	
2,4-Dimethylphenol	666	295	44.3	15.0-120	
4,6-Dinitro-2-methylphenol	666	392	58.9	16.0-120	
2,4-Dinitrophenol	666	359	53.9	10.0-120	
2-Nitrophenol	666	329	49.4	20.0-120	
4-Nitrophenol	666	339	50.9	27.0-120	
Pentachlorophenol	666	318	47.7	29.0-120	
Phenol	666	289	43.4	28.0-120	
2,4,6-Trichlorophenol	666	393	59.0	37.0-120	
(S) 2-Fluorophenol			*57.8*	*12.0-120*	
(S) Phenol-d5			*49.1*	*10.0-120*	
(S) Nitrobenzene-d5			*39.0*	*10.0-122*	
(S) 2-Fluorobiphenyl			*55.6*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*72.5*	*10.0-127*	
(S) p-Terphenyl-d14			*71.2*	*10.0-120*	

L1859664-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1859664-01 05/17/25 18:43 • (MS) R4216331-3 05/17/25 19:04 • (MSD) R4216331-4 05/17/25 19:25

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthylene	789	ND	696	632	88.3	80.9	10	25.0-120			9.63	32
Benzidine	1570	ND	ND	ND	91.0	0.000	10	10.0-120		J3 J6	200	40
Benzo(g,h,i)perylene	789	ND	687	645	87.1	82.6	10	10.0-120			6.22	33
Bis(2-chlorethoxy)methane	789	ND	ND	ND	52.4	57.0	10	10.0-120			7.45	34
Bis(2-chloroethyl)ether	789	ND	ND	ND	56.0	55.6	10	10.0-120			1.62	40
2,2-Oxybis(1-Chloropropane)	789	ND	ND	ND	52.7	45.9	10	10.0-120			14.7	40
4-Bromophenyl-phenylether	789	ND	ND	ND	101	91.7	10	27.0-120			10.8	30
2-Chloronaphthalene	789	ND	517	500	65.6	63.9	10	20.0-120			3.49	32

L1859664-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1859664-01 05/17/25 18:43 • (MS) R4216331-3 05/17/25 19:04 • (MSD) R4216331-4 05/17/25 19:25

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
4-Chlorophenyl-phenylether	789	ND	ND	ND	80.3	73.2	10	24.0-120			10.2	29
1,2-Dichlorobenzene	789	ND	ND	ND	66.2	57.4	10	10.0-120			15.1	38
1,3-Dichlorobenzene	789	ND	ND	ND	62.8	50.0	10	10.0-120			23.5	40
1,4-Dichlorobenzene	789	ND	ND	ND	67.9	55.6	10	10.0-120			20.8	39
3,3-Dichlorobenzidine	1570	ND	ND	ND	70.8	62.5	10	10.0-120			13.1	34
2,4-Dinitrotoluene	789	ND	ND	ND	75.1	74.7	10	30.0-120			1.41	31
2,6-Dinitrotoluene	789	ND	ND	ND	80.8	74.8	10	25.0-120			8.53	31
Hexachlorobenzene	789	ND	ND	ND	76.1	80.6	10	27.0-120			4.81	28
Hexachloro-1,3-butadiene	789	ND	ND	ND	80.6	65.2	10	10.0-120			22.1	38
Hexachlorocyclopentadiene	789	ND	ND	ND	14.4	9.15	10	10.0-120		J3 J6	45.4	40
Hexachloroethane	789	ND	ND	ND	60.2	56.1	10	10.0-120			8.04	40
Isophorone	789	ND	ND	ND	64.3	62.6	10	13.0-120			3.57	34
Nitrobenzene	789	ND	ND	ND	57.5	56.2	10	10.0-120			3.18	36
n-Nitrosodimethylamine	789	ND	ND	ND	74.6	0.000	10	10.0-127		J3 J6	200	40
n-Nitrosodiphenylamine	789	ND	ND	ND	81.2	78.6	10	17.0-120			4.15	29
n-Nitrosodi-n-propylamine	789	ND	ND	ND	57.8	53.9	10	10.0-120			7.83	37
Phenanthrene	789	ND	631	571	80.0	73.0	10	17.0-120			10.0	31
Benzylbutyl phthalate	789	ND	ND	ND	81.8	77.4	10	23.0-120			6.44	30
Bis(2-ethylhexyl)phthalate	789	ND	ND	ND	87.8	76.2	10	17.0-126			15.1	30
Di-n-butyl phthalate	789	ND	ND	ND	80.8	76.2	10	30.0-120			6.72	29
Diethyl phthalate	789	ND	ND	ND	80.8	81.7	10	26.0-120			0.186	28
Dimethyl phthalate	789	ND	ND	ND	82.0	77.1	10	25.0-120			7.01	29
Di-n-octyl phthalate	789	ND	ND	ND	183	179	10	21.0-123	J5	J5	3.33	29
1,2,4-Trichlorobenzene	789	ND	ND	ND	69.2	66.4	10	12.0-120			5.12	37
4-Chloro-3-methylphenol	789	ND	ND	ND	80.9	74.8	10	15.0-120			8.71	30
2-Chlorophenol	789	ND	ND	ND	59.9	61.2	10	15.0-120			1.25	37
2,4-Dichlorophenol	789	ND	ND	ND	78.4	73.9	10	20.0-120			6.73	31
2,4-Dimethylphenol	789	ND	ND	ND	68.5	63.2	10	10.0-120			8.93	33
4,6-Dinitro-2-methylphenol	789	ND	ND	ND	98.3	81.5	10	10.0-120			19.6	39
2,4-Dinitrophenol	666	ND	ND	ND	167	164	10	10.0-121	J5	J5	2.74	40
2-Nitrophenol	789	ND	ND	ND	67.0	72.6	10	12.0-120			7.14	39
4-Nitrophenol	789	ND	ND	ND	43.5	45.0	10	10.0-137			2.39	32
Pentachlorophenol	789	ND	ND	ND	145	144	10	10.0-160			1.57	31
Phenol	789	ND	ND	ND	52.0	63.8	10	12.0-120			19.6	38
2,4,6-Trichlorophenol	789	ND	ND	ND	79.6	67.1	10	19.0-120			17.9	32
(S) 2-Fluorophenol					*79.0*	*71.4*		*12.0-120*				
(S) Phenol-d5					*61.9*	*64.5*		*10.0-120*				
(S) Nitrobenzene-d5					*102*	*52.1*		*10.0-122*				
(S) 2-Fluorobiphenyl					*79.6*	*62.7*		*15.0-120*				

L1859664-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1859664-01 05/17/25 18:43 • (MS) R4216331-3 05/17/25 19:04 • (MSD) R4216331-4 05/17/25 19:25

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) 2,4,6-Tribromophenol					*95.6*	*97.0*		*10.0-127*				
(S) p-Terphenyl-d14					*88.3*	*84.5*		*10.0-120*				

Sample Narrative:

OS: Dilution due to matrix impact during extract concentration procedure

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].
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.
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.
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.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

GLOSSARY OF TERMS

Qualifier	Description
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

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

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

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

Pace® Location Requested (City/State):
Pace National, 12065 Lebanon Road, Mt. Juliet, TN 37122

CHAIN-OF-CUSTODY Analytical Request Document

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Scan QR Code for instructions

L1859689

Company Name: CTEH, LLC
Street Address: 5120 North Shore Drive, North Little Rock, AR 72118
Contact/Report To: Chevron-Bishop, Kyle Lawrence, Tami McMullin, Andy Henault, Eric Catlin, Madelyn Klinkerman
Phone #:
E-Mail: chevron_bishop@cteh.com; kylelawrence@cteh.com; tmcmullin@cteh.com; ahenault@cteh.com
Cc E-Mail: ecatlin@cteh.com; mklinkerman@cteh.com
Customer Project #: PROJ-054017
Invoice to: CTEH
Project Name: Bishop LOC
Invoice E-mail: ctehap@montrose-env.com
Site Collection Info/Facility ID (as applicable): Galeton, CO
Purchase Order # (if applicable):
Quote #:
Time Zone Collected: [ ] AK [ ] PT [X] MT [ ] CT [ ] ET
County / State origin of sample(s): CO

Data Deliverables: [X] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other________
Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other ASAP
Date Results Requested:
DW PWSID # or WW Permit # as applicable:
Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

Specify Container Size **: 8oz | 8oz | 8oz | 8oz | 6
Identify Container Preservative Type***: 1 | 1 | 1 | 1 | 4

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other
*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: 546-Jared Starkey; AcctNum / Client ID: CTEHER; Table #:; Profile / Template: T271979; Prelog / Bottle Ord. ID:

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

Analysis Requested:

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	VOCs 8260D	SVOCs 8270E; Metals 6010D	Total N/TKN/N+N/NH3 EPA 351.2/9056A	TOC Walkley Black	VOCs 8260D	Sample Comment
GACO0515T084CRS009	SS	G	-	-	5/15/2025	0820	3	-	-	X	X	X	X	-	.01
GACO0515T084CRS010	SS	G	-	-	5/15/2025	0840	3	-	-	X	X	X	X	-	.02
GACO0515T084CRC010	SS	G	-	-	5/15/2025	0840	3	-	-	X	X	X	X	-	.03
GACO0515T084CRS011	SS	G	-	-	5/15/2025	0820	3	-	-	X	X	X	X	-	.04
GACO0515T084CRS012	SS	G	-	-	5/15/2025	0840	3	-	-	X	X	X	X	-	.05
GACO0515T084CRS013	SS	G	-	-	5/15/2025	0900	3	-	-	X	X	X	X	-	.06
GACO0515T084CRS014	SS	G	-	-	5/15/2025	0915	3	-	-	X	X	X	X	-	.07
GACO0515T084CRT001	OT	-	-	-	5/15/2025	0700	2	-	-	-	-	-	-	X	.08

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
VOCs - full list minus BTEX, 1,2,4-TMB, 1,3,5-TMB; SVOCs - full list minus PAHs, 1-methylnaphthalene, 2-methylnaphthalene; Metals - TAL minus RCRA, Cu, Ni, Zn

Collected By: Printed Name: Jonathan Aiker
Signature: [signature]

Customer Remarks / Special Conditions / Possible Hazards:
Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
[signature] Montrose	5/15/25 1849	Holly Poarter	05/16/2025 1230

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

Page: 1 of 3

GACO0515T084CRS

Sample Receipt Checklist
COC Seal Present/Intact: X Y __N __NP
COC Signed/Accurate: X Y __N
Bottles arrive intact: X Y __N
Correct bottles used: X Y __N
Sufficient volume sent: X Y __N
RA Screen <0.5 mR/hr: X Y __N
If Applicable
VOA Zero Headspace: X Y __N
Pres. Correct/Check: __Y __N
Condition: __NCF X OK
Containers: 57 + 6x TripB

Pace® Location Requested (City/State):

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

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L1859689

Company Name: CTEH, LLC	Contact/Report To: Chevron-Bishop, Kyle Lawrence, Tami McMullin, Andy Henault, Eric Catlin, Madelyn Klinkerman
Street Address: 5120 North Shore Drive, North Little Rock, AR 72118	Phone #:
	E-Mail: chevron_bishop@cteh.com; kylelawrence@cteh.com; tmcmullin@cteh.com; ahenault@cteh.com
	Cc E-Mail: ecatlin@cteh.com; mklinkerman@cteh.com
Customer Project #: PROJ-054017	Invoice to: CTEH
Project Name: Bishop LOC	Invoice E-mail: ctehap@montrose-env.com
Site Collection Info/Facility ID (as applicable): Galeton, CO	Purchase Order # (if applicable):
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [X] MT [ ] CT [ ] ET	County / State origin of sample(s): CO
Data Deliverables: [X] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other ASAP Date Results Requested:
	DW PWSID # or WW Permit # as applicable:
	Field Filtered (if applicable): [ ] Yes [ ] No
	Analysis:

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

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	Specify Container Size **										Identify Container Preservative Type***										Analysis Requested										Lab Use Only	Sample Comment
										8oz	8oz	8oz	8oz	6						1	1	1	1	4						VOCs 8260D	SVOCs 8270E; Metals 6010D	Total N/TKN/N+N/NH3 EPA 351.2/9056A	TOC Walkley Black	VOCs 8260D						Proj. Mgr: 546-Jared Starkey AcctNum / Client ID: CTEHER Table #: Profile / Template: T271979 Prelog / Bottle Ord. ID:	
GAC0515T084CRS001	SS	G	-	-	5/15/2025	0810	3	-	-																			X	X	X	X	-							-09
GAC0515T084CRS002	SS	G	-	-	5/15/2025	0820	3	-	-																			X	X	X	X	-							-10
GAC0515T084CRS003	SS	G	-	-	5/15/2025	0830	3	-	-																			X	X	X	X	-							-11
GAC0515T084CRS004	SS	G	-	-	5/15/2025	0840	3	-	-																			X	X	X	X	-							-12
GAC0515T084CRS005	SS	G	-	-	5/15/2025	0845	3	-	-																			X	X	X	X	-							-13
GAC0515T084CRS006	SS	G	-	-	5/15/2025	0900	3	-	-																			X	X	X	X	-							-14
GAC0515T084CRT003	OT	-	-	-	5/15/2025	0700	2	-	-																			-	-	-	-	X							-15
				MB																																		

Additional Instructions from Pace® :
VOCs - full list minus BTEX, 1,2,4-TMB, 1,3,5-TMB; SVOCs - full list minus PAHs, 1-methylnaphthalene, 2-methylnaphthalene; Metals - TAL minus RCRA, Cu, Ni, Zn

Collected By:
Printed Name: M. Beck
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

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

Relinquished by/Company: (Signature) CTEH	Date/Time: 5-15-25	Received by/Company: (Signature) Pace	Date/Time: 5-15-25 1800	Tracking Number:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time: 05/16/2025 1230	Delivered by: [ ] In- Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 2 of 3

Pace® Location Requested (City/State): Pace National, 12065 Lebanon Road, Mt. Juliet, TN 37122

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L1859689

Company Name: CTEH, LLC	Contact/Report To: Chevron-Bishop, Kyle Lawrence, Tami McMullin, Andy Henault, Eric Catlin, Madelyn Klinkerman
Street Address: 5120 North Shore Drive, North Little Rock, AR 72118	Phone #:
	E-Mail: chevron_bishop@cteh.com; kylelawrence@cteh.com; tmcmullin@cteh.com; ahenault@cteh.com
	Cc E-Mail: ecatlin@cteh.com; mklinkerman@cteh.com
Customer Project #: PROJ-054017	Invoice to: CTEH
Project Name: Bishop LOC	Invoice E-mail: ctehap@montrose-env.com
Site Collection Info/Facility ID (as applicable): Galeton, CO	Purchase Order # (if applicable):
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [X] MT [ ] CT [ ] ET	County / State origin of sample(s): CO
Data Deliverables: [X] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other ASAP Date Results Requested:
	DW PWSID # or WW Permit # as applicable: Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

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

Specify Container Size **: 8oz | 8oz | 8oz | 8oz | 6

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

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: 546-Jared Starkey; AcctNum / Client ID: CTEHER; Table #:; Profile / Template: T271979; Prelog / Bottle Ord. ID:

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	VOCs 8260D	SVOCs 8270E; Metals 6010D	Total N/TKN/N+N/NH3 EPA 351.2/9056A	TOC Walkley Black	VOCs 8260D	Sample Comment	Preservation non-conformance identified for sample.
GAC00515T084CRS007	SS	G	-	-	5/15/2025	0915	3	-	-	X	X	X	X	-	-16	
GAC00515T084CRS008	SS	G	-	-	5/15/2025	0925	3	-	-	X	X	X	X	-	-17	
GAC00515T084CRS015	SS	G	-	-	5/15/2025	0935	3	-	-	X	X	X	X	-	-18	
GAC00515T084CRS016	SS	G	-	-	5/15/2025	0940	3	-	-	X	X	X	X	-	-19	
GAC00515T084CRS017	SS	G	-	-	5/15/2025	0945	3	-	-	X	X	X	X	-	-20	
GAC00515T084CRS018	SS	G	-	-	5/15/2025	1000	3	-	-	X	X	X	X	-	-21	
GAC00515T084CRT004	OT	-	-	-	5/15/2025	0700	2	-	-	-	-	-	-	X	-22	

MB

Additional Instructions from Pace® : VOCs - full list minus BTEX, 1,2,4-TMB, 1,3,5-TMB; SVOCs - full list minus PAHs, 1-methylnaphthalene, 2-methylnaphthalene; Metals - TAL minus RCRA, Cu, Ni, Zn

Collected By: Printed Name M. Beck; Signature Matt Beck

Customer Remarks / Special Conditions / Possible Hazards:

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Matt Beck CTEH	5-15-25 1800	Pace	5-15-25 1800
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
		Courier	05/16/2025 1230
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

GAC00515T084CRS

DC#_Title: Excel Form Template
Effective Date:

Multiple Parcel Form L# L1859689

Parcel Tracking Number	Infrared Thermometer ID	Temperature Reading (°C)	Correction Factor (°C)	Corrected Temperature (°C)	Custody Seal Intact
SWA	TA9	4.7	0.4	5.1	Yes / No / Not Present
SWA	TA9	4.7	0.4	5.1	Yes / No / Not Present
SWA	TA9	1.5	0.4	1.9	Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present

Ashley Barber
Name

05/16/2025
Date