ANALYTICAL REPORT

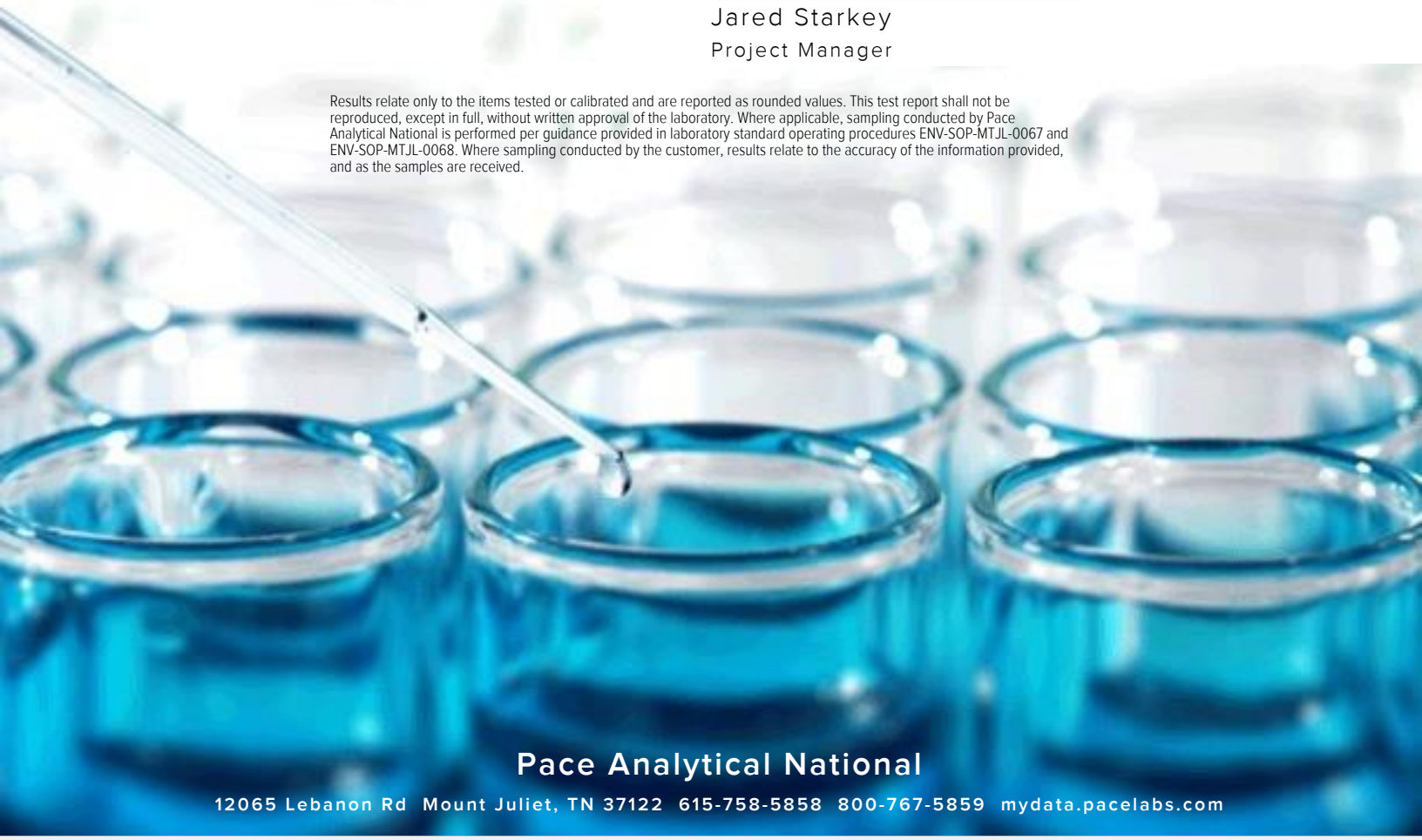
May 13, 2025

CTEH - ER

Sample Delivery Group:	L1857512
Samples Received:	05/10/2025
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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GACO0509T117S001 L1857512-01

Collected by: Kaitlin Wykoff | Collected date/time: 05/09/25 13:40 | Received date/time: 05/10/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512146	1	05/10/25 16:10	05/13/25 00:00	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2512083	1	05/10/25 14:21	05/10/25 14:39	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2512303	1	05/12/25 23:47	05/13/25 01:19	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2512301	5	05/11/25 07:10	05/13/25 00:00	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2512146	1	05/10/25 16:10	05/10/25 21:07	AJC	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2512160	5	05/10/25 15:00	05/12/25 17:50	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2512121	1	05/10/25 15:58	05/10/25 23:15	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2512156	1	05/10/25 13:13	05/10/25 19:56	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2512038	2	05/10/25 18:01	05/11/25 16:58	LS	Mt. Juliet, TN

GACO0509T117S002 L1857512-02

Collected by: Kaitlin Wykoff | Collected date/time: 05/09/25 13:55 | Received date/time: 05/10/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512146	1	05/10/25 16:10	05/13/25 00:01	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2512083	1	05/10/25 14:21	05/10/25 14:39	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2512303	1	05/12/25 23:47	05/13/25 01:22	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2512301	5	05/11/25 07:10	05/13/25 00:01	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2512146	10.4	05/10/25 16:10	05/10/25 21:24	AJC	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2512160	5	05/10/25 15:00	05/12/25 17:51	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2512121	1	05/10/25 15:58	05/10/25 23:16	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2512156	1	05/10/25 13:13	05/10/25 20:17	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2512038	2	05/10/25 18:01	05/11/25 15:34	LS	Mt. Juliet, TN

GACO0509T117S003 L1857512-03

Collected by: Kaitlin Wykoff | Collected date/time: 05/09/25 13:40 | Received date/time: 05/10/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512146	1	05/10/25 16:10	05/13/25 00:01	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2512083	1	05/10/25 14:21	05/10/25 14:39	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2512303	1	05/12/25 23:47	05/13/25 01:23	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2512301	5	05/11/25 07:10	05/13/25 00:01	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2512146	10	05/10/25 16:10	05/10/25 22:13	AJC	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2512160	5	05/10/25 15:00	05/12/25 17:52	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2512121	1	05/10/25 15:58	05/10/25 23:18	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2512156	1	05/10/25 13:13	05/10/25 20:37	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2512038	2	05/10/25 18:01	05/11/25 17:19	LS	Mt. Juliet, TN

GACO0509T117T006 L1857512-04

Collected by: Kaitlin Wykoff | Collected date/time: 05/09/25 07:00 | Received date/time: 05/10/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2512002	1	05/10/25 15:56	05/10/25 15:56	JAH	Mt. Juliet, TN

GACO0509T117S004 L1857512-05

Collected by: Kaitlin Wykoff | Collected date/time: 05/09/25 13:20 | Received date/time: 05/10/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512146	1	05/10/25 16:10	05/13/25 00:03	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2512083	1	05/10/25 14:21	05/10/25 14:39	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2512303	1	05/12/25 23:47	05/13/25 01:25	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2512301	5	05/11/25 07:10	05/13/25 00:03	AEC	Mt. Juliet, TN

GACO0509T117S004 L1857512-05

Collected by: Kaitlin Wykoff | Collected date/time: 05/09/25 13:20 | Received date/time: 05/10/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2512146	1.05	05/10/25 16:10	05/10/25 22:29	AJC	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2512160	5	05/10/25 15:00	05/12/25 17:53	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2512121	1	05/10/25 15:58	05/10/25 23:20	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2512156	1	05/10/25 13:13	05/10/25 20:58	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2512038	2	05/10/25 18:01	05/11/25 19:24	LS	Mt. Juliet, TN

GACO0509T117S008 L1857512-06

Collected by: Kaitlin Wykoff | Collected date/time: 05/09/25 13:20 | Received date/time: 05/10/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512146	1	05/10/25 16:10	05/13/25 00:03	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2512083	1	05/10/25 14:21	05/10/25 14:39	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2512303	1	05/12/25 23:47	05/13/25 01:32	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2512301	5	05/11/25 07:10	05/13/25 00:03	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2512146	1.05	05/10/25 16:10	05/10/25 22:45	AJC	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2512160	5	05/10/25 15:00	05/12/25 17:54	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2512121	1	05/10/25 15:58	05/10/25 23:22	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2512156	1	05/10/25 13:13	05/10/25 21:19	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2512038	2	05/10/25 18:01	05/11/25 17:40	LS	Mt. Juliet, TN

GACO0509T117T005 L1857512-07

Collected by: Kaitlin Wykoff | Collected date/time: 05/09/25 07:00 | Received date/time: 05/10/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2512002	1	05/10/25 16:15	05/10/25 16:15	JAH	Mt. Juliet, TN

GACO0509T117S005 L1857512-08

Collected by: Kaitlin Wykoff | Collected date/time: 05/09/25 13:15 | Received date/time: 05/10/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512146	1	05/10/25 16:10	05/13/25 00:05	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2512083	1	05/10/25 14:21	05/10/25 14:39	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2512303	1	05/12/25 23:47	05/13/25 01:34	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2512301	5	05/11/25 07:10	05/13/25 00:05	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2512146	10.5	05/10/25 16:10	05/10/25 23:02	AJC	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2512160	5	05/10/25 15:00	05/12/25 17:54	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2512121	1	05/10/25 15:58	05/10/25 22:47	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2512156	1	05/10/25 13:13	05/10/25 21:39	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2512038	2	05/10/25 18:01	05/11/25 14:31	LS	Mt. Juliet, TN

GACO0509T117S006 L1857512-09

Collected by: Kaitlin Wykoff | Collected date/time: 05/09/25 14:00 | Received date/time: 05/10/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512146	1	05/10/25 16:10	05/13/25 00:11	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2512083	1	05/10/25 14:21	05/10/25 14:39	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2512303	1	05/12/25 23:47	05/13/25 01:38	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2512301	5	05/11/25 07:10	05/13/25 00:11	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2512146	1.03	05/10/25 16:10	05/10/25 23:51	AJC	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2512160	4	05/10/25 15:00	05/12/25 17:56	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2512121	1	05/10/25 15:58	05/10/25 22:23	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2512156	1	05/10/25 13:13	05/10/25 22:00	JAH	Mt. Juliet, TN

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

GACO0509T117S006 L1857512-09

Collected by: Kaitlin Wykoff | Collected date/time: 05/09/25 14:00 | Received date/time: 05/10/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2512038	2	05/10/25 18:01	05/11/25 15:55	LS	Mt. Juliet, TN

GACO0509T117S007 L1857512-10

Collected by: Kaitlin Wykoff | Collected date/time: 05/09/25 14:25 | Received date/time: 05/10/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512146	1	05/10/25 16:10	05/12/25 11:24	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2512083	1	05/10/25 14:21	05/10/25 14:39	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2512304	1	05/12/25 00:21	05/12/25 01:16	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2512302	5	05/11/25 20:34	05/12/25 11:24	KMB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2512146	10.1	05/10/25 16:10	05/11/25 00:07	AJC	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2512160	3	05/10/25 15:00	05/12/25 17:56	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2512121	1	05/10/25 15:58	05/10/25 22:25	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2512156	1	05/10/25 13:13	05/10/25 22:21	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2512038	2	05/10/25 18:01	05/11/25 18:00	LS	Mt. Juliet, TN

GACO0509T117T003 L1857512-11

Collected by: Kaitlin Wykoff | Collected date/time: 05/09/25 07:00 | Received date/time: 05/10/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2512002	1	05/10/25 16:34	05/10/25 16:34	JAH	Mt. Juliet, TN

GACO0509T117S013 L1857512-12

Collected by: Kaitlin Wykoff | Collected date/time: 05/09/25 13:20 | Received date/time: 05/10/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512146	1	05/10/25 16:10	05/12/25 11:29	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2512083	1	05/10/25 14:21	05/10/25 14:39	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2512304	1	05/12/25 00:21	05/12/25 01:19	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2512302	5	05/11/25 20:34	05/12/25 11:29	KMB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2512146	1.04	05/10/25 16:10	05/11/25 00:24	AJC	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2512160	5	05/10/25 15:00	05/12/25 17:57	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2512121	1	05/10/25 15:58	05/10/25 22:27	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2512156	1	05/10/25 13:13	05/10/25 22:41	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2512038	1	05/10/25 18:01	05/10/25 22:44	LS	Mt. Juliet, TN

GACO0509T117C013 L1857512-13

Collected by: Kaitlin Wykoff | Collected date/time: 05/09/25 13:20 | Received date/time: 05/10/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512146	1	05/10/25 16:10	05/12/25 11:29	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2512083	1	05/10/25 14:21	05/10/25 14:39	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2512304	1	05/12/25 00:21	05/12/25 01:21	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2512302	5	05/11/25 20:34	05/12/25 11:29	KMB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2512146	1.05	05/10/25 16:10	05/11/25 00:40	AJC	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2512160	5	05/10/25 15:00	05/12/25 17:58	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2512121	1	05/10/25 15:58	05/10/25 22:28	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2512156	1	05/10/25 13:13	05/10/25 23:02	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2512038	2	05/10/25 18:01	05/10/25 23:25	LS	Mt. Juliet, TN

GACO0509T117S014 L1857512-14

Collected by: Kaitlin Wykoff | Collected date/time: 05/09/25 13:45 | Received date/time: 05/10/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512150	1	05/10/25 17:18	05/12/25 11:31	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2512085	1	05/10/25 14:41	05/10/25 14:56	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2512304	1	05/12/25 00:21	05/12/25 01:22	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2512302	5	05/11/25 20:34	05/12/25 11:31	KMB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2512150	1	05/10/25 17:18	05/10/25 22:08	AJC	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2512160	4	05/10/25 15:00	05/12/25 17:59	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2512143	1	05/10/25 15:52	05/10/25 21:57	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2512156	1	05/10/25 13:13	05/10/25 23:23	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2512038	2	05/10/25 18:01	05/11/25 00:07	LS	Mt. Juliet, TN

GACO0509T117S015 L1857512-15

Collected by: Kaitlin Wykoff | Collected date/time: 05/09/25 14:00 | Received date/time: 05/10/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512150	1	05/10/25 17:18	05/12/25 11:32	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2512085	1	05/10/25 14:41	05/10/25 14:56	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2512304	1	05/12/25 00:21	05/12/25 01:24	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2512302	5	05/11/25 20:34	05/12/25 11:32	KMB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2512150	1	05/10/25 17:18	05/10/25 22:21	AJC	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2512160	4	05/10/25 15:00	05/12/25 18:01	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2512143	1	05/10/25 15:52	05/10/25 21:59	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2512156	1	05/10/25 13:13	05/10/25 23:43	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2512038	2	05/10/25 18:01	05/11/25 14:10	LS	Mt. Juliet, TN

GACO0509T117S016 L1857512-16

Collected by: Kaitlin Wykoff | Collected date/time: 05/09/25 14:15 | Received date/time: 05/10/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512150	1	05/10/25 17:18	05/12/25 11:33	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2512085	1	05/10/25 14:41	05/10/25 14:56	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2512304	1	05/12/25 00:21	05/12/25 01:25	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2512302	5	05/11/25 20:34	05/12/25 11:33	KMB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2512150	1	05/10/25 17:18	05/10/25 22:35	AJC	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2512163	5	05/13/25 09:00	05/13/25 17:09	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2512143	1	05/10/25 15:52	05/10/25 22:01	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2512156	1	05/10/25 13:13	05/11/25 00:04	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2512038	2	05/10/25 18:01	05/10/25 23:46	LS	Mt. Juliet, TN

GACO0509T117T001 L1857512-17

Collected by: Kaitlin Wykoff | Collected date/time: 05/09/25 07:00 | Received date/time: 05/10/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2512002	1	05/10/25 16:53	05/10/25 16:53	JAH	Mt. Juliet, TN

GACO0509T117S017 L1857512-18

Collected by: Kaitlin Wykoff | Collected date/time: 05/09/25 14:00 | Received date/time: 05/10/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512150	1	05/10/25 17:18	05/12/25 11:34	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2512085	1	05/10/25 14:41	05/10/25 14:56	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2512304	1	05/12/25 00:21	05/12/25 01:27	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2512302	5	05/11/25 20:34	05/12/25 11:34	KMB	Mt. Juliet, TN

GACO0509T117S017 L1857512-18

Collected by: Kaitlin Wykoff | Collected date/time: 05/09/25 14:00 | Received date/time: 05/10/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2512150	5	05/10/25 17:18	05/10/25 22:48	AJC	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2512160	5	05/10/25 15:00	05/12/25 18:02	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2512143	1	05/10/25 15:52	05/10/25 22:03	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2512156	1	05/10/25 13:13	05/11/25 00:25	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2512038	2	05/10/25 18:01	05/11/25 18:22	LS	Mt. Juliet, TN

GACO0509T117S018 L1857512-19

Collected by: Kaitlin Wykoff | Collected date/time: 05/09/25 14:30 | Received date/time: 05/10/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512150	1	05/10/25 17:18	05/12/25 11:35	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2512085	1	05/10/25 14:41	05/10/25 14:56	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2512304	1	05/12/25 00:21	05/12/25 01:34	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2512302	5	05/11/25 20:34	05/12/25 11:35	KMB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2512150	5	05/10/25 17:18	05/10/25 23:02	AJC	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2512160	5	05/10/25 15:00	05/12/25 18:02	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2512143	1	05/10/25 15:52	05/10/25 22:05	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2512156	1	05/10/25 13:13	05/11/25 00:45	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2512038	2	05/10/25 18:01	05/11/25 18:42	LS	Mt. Juliet, TN

GACO0509T117S019 L1857512-20

Collected by: Kaitlin Wykoff | Collected date/time: 05/09/25 14:50 | Received date/time: 05/10/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512150	1	05/10/25 17:18	05/12/25 11:37	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2512085	1	05/10/25 14:41	05/10/25 14:56	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2512304	1	05/12/25 00:21	05/12/25 01:36	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2512302	5	05/11/25 20:34	05/12/25 11:37	KMB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2512150	5	05/10/25 17:18	05/10/25 23:42	AJC	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2512160	5	05/10/25 15:00	05/12/25 18:02	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2512143	1	05/10/25 15:52	05/10/25 22:07	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2512156	1	05/10/25 13:13	05/11/25 01:06	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2512038	2	05/10/25 18:01	05/11/25 19:03	LS	Mt. Juliet, TN

GACO0509T117T007 L1857512-21

Collected by: Kaitlin Wykoff | Collected date/time: 05/09/25 07:00 | Received date/time: 05/10/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2512002	1	05/10/25 17:12	05/10/25 17:12	JAH	Mt. Juliet, TN

GACO0509T117S009 L1857512-22

Collected by: Kaitlin Wykoff | Collected date/time: 05/09/25 13:40 | Received date/time: 05/10/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512150	1	05/10/25 17:18	05/12/25 11:38	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2512085	1	05/10/25 14:41	05/10/25 14:56	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2512304	1	05/12/25 00:21	05/12/25 01:37	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2512302	5	05/11/25 20:34	05/12/25 11:38	KMB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2512150	1	05/10/25 17:18	05/10/25 23:56	AJC	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2512160	5	05/10/25 15:00	05/12/25 18:03	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2512143	1	05/10/25 15:52	05/10/25 22:08	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2512156	1	05/10/25 13:13	05/11/25 01:27	JAH	Mt. Juliet, TN

GACO0509T117S009 L1857512-22

Collected by: Kaitlin Wykoff | Collected date/time: 05/09/25 13:40 | Received date/time: 05/10/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2512038	2	05/10/25 18:01	05/11/25 19:45	LS	Mt. Juliet, TN

GACO0509T117S010 L1857512-23

Collected by: Kaitlin Wykoff | Collected date/time: 05/09/25 14:00 | Received date/time: 05/10/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512150	1	05/10/25 17:18	05/12/25 11:42	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2512085	1	05/10/25 14:41	05/10/25 14:56	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2512304	1	05/12/25 00:21	05/12/25 01:39	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2512302	5	05/11/25 20:34	05/12/25 11:42	KMB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2512150	5	05/10/25 17:18	05/11/25 00:09	AJC	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2512160	4	05/10/25 15:00	05/12/25 18:03	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2512143	1	05/10/25 15:52	05/10/25 22:10	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2512156	1	05/10/25 13:13	05/11/25 01:47	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2512038	1	05/10/25 18:01	05/10/25 23:05	LS	Mt. Juliet, TN

GACO0509T117S011 L1857512-24

Collected by: Kaitlin Wykoff | Collected date/time: 05/09/25 14:20 | Received date/time: 05/10/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512150	1	05/10/25 17:18	05/12/25 11:43	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2512085	1	05/10/25 14:41	05/10/25 14:56	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2512304	1	05/12/25 00:21	05/12/25 01:40	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2512302	5	05/11/25 20:34	05/12/25 11:43	KMB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2512150	1	05/10/25 17:18	05/11/25 00:23	AJC	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2512160	5	05/10/25 15:00	05/12/25 18:03	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2512143	1	05/10/25 15:52	05/10/25 22:12	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2512156	1	05/10/25 13:13	05/11/25 02:08	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2512038	2	05/10/25 18:01	05/11/25 16:16	LS	Mt. Juliet, TN

GACO0509T117S012 L1857512-25

Collected by: Kaitlin Wykoff | Collected date/time: 05/09/25 15:00 | Received date/time: 05/10/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512150	1	05/10/25 17:18	05/12/25 11:45	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2512085	1	05/10/25 14:41	05/10/25 14:56	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2512304	1	05/12/25 00:21	05/12/25 01:42	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2512302	5	05/11/25 20:34	05/12/25 11:45	KMB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2512150	1	05/10/25 17:18	05/11/25 00:36	AJC	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2512163	8	05/13/25 09:00	05/13/25 17:09	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2512143	1	05/10/25 15:52	05/10/25 22:18	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2512156	1	05/10/25 13:13	05/11/25 02:29	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2512038	2	05/10/25 18:01	05/11/25 16:37	LS	Mt. Juliet, TN

GACO0509T117T009 L1857512-26

Collected by: Kaitlin Wykoff | Collected date/time: 05/09/25 07:00 | Received date/time: 05/10/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2512002	1	05/10/25 17:31	05/10/25 17:31	JAH	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 4500NOrg D-2021

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

Batch	Lab Sample ID	Analytes
WG2512301	(MS) R4213692-6, L1857512-08	Kjeldahl Nitrogen, TKN
WG2512302	(MS) R4213296-10, L1857512-10	Kjeldahl Nitrogen, TKN

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

Batch	Lab Sample ID	Analytes
WG2512301	(MSD) R4213692-8, L1857512-08	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
WG2512146	(MSD) R4213002-4, L1857512-08	Nitrate-Nitrite

Wet Chemistry by Method WALKLEY-BLACK

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
WG2512160	(MS) R4213585-5	TOC By Walkley Black
WG2512160	(MSD) R4213585-6	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
WG2512143	(MS) R4212889-5	Aluminum

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

Batch	Lab Sample ID	Analytes
WG2512121	(MS) R4212890-5, (MSD) R4212890-6, L1857512-08	Aluminum, Magnesium and Manganese
WG2512143	(MS) R4212889-5, (MSD) R4212889-6	Aluminum, Antimony and Manganese

Metals (ICP) by Method 6010D

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

Batch	Lab Sample ID	Analytes
WG2512121	(MS) R4212890-5, (MSD) R4212890-6, L1857512-08	Calcium and Iron
WG2512143	(MS) R4212889-5, (MSD) R4212889-6	Iron

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

Batch	Lab Sample ID	Analytes
WG2512143	(MSD) R4212889-6	Aluminum and 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
WG2512121	L1857512-08	Calcium

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
WG2512002	L1857512-04	1,2,3-Trichlorobenzene, Acrolein and Naphthalene
WG2512002	L1857512-07	1,2,3-Trichlorobenzene, Acrolein and Naphthalene
WG2512002	L1857512-11	1,2,3-Trichlorobenzene, Acrolein and Naphthalene
WG2512002	L1857512-17	1,2,3-Trichlorobenzene, Acrolein and Naphthalene
WG2512002	L1857512-21	1,2,3-Trichlorobenzene, Acrolein and Naphthalene
WG2512002	L1857512-26	1,2,3-Trichlorobenzene, Acrolein and Naphthalene
WG2512156	L1857512-01	1,2-Dibromo-3-Chloropropane, 4-Methyl-2-pentanone (MIBK), Acrylonitrile and Chloromethane
WG2512156	L1857512-02	1,2-Dibromo-3-Chloropropane, 4-Methyl-2-pentanone (MIBK), Acrylonitrile and Chloromethane
WG2512156	L1857512-03	1,2-Dibromo-3-Chloropropane, 4-Methyl-2-pentanone (MIBK), Acrylonitrile and Chloromethane
WG2512156	L1857512-05	1,2-Dibromo-3-Chloropropane, 4-Methyl-2-pentanone (MIBK), Acrylonitrile and Chloromethane
WG2512156	L1857512-06	1,2-Dibromo-3-Chloropropane, 4-Methyl-2-pentanone (MIBK), Acrylonitrile and Chloromethane
WG2512156	L1857512-08	1,2-Dibromo-3-Chloropropane, 4-Methyl-2-pentanone (MIBK), Acrylonitrile and Chloromethane
WG2512156	L1857512-09	1,2-Dibromo-3-Chloropropane, 4-Methyl-2-pentanone (MIBK), Acrylonitrile and Chloromethane
WG2512156	L1857512-10	1,2-Dibromo-3-Chloropropane, 4-Methyl-2-pentanone (MIBK), Acrylonitrile and Chloromethane
WG2512156	L1857512-12	1,2-Dibromo-3-Chloropropane, 4-Methyl-2-pentanone (MIBK), Acrylonitrile and Chloromethane
WG2512156	L1857512-13	1,2-Dibromo-3-Chloropropane, 4-Methyl-2-pentanone (MIBK), Acrylonitrile and Chloromethane
WG2512156	L1857512-14	1,2-Dibromo-3-Chloropropane, 4-Methyl-2-pentanone (MIBK), Acrylonitrile and Chloromethane
WG2512156	L1857512-15	1,2-Dibromo-3-Chloropropane, 4-Methyl-2-pentanone (MIBK), Acrylonitrile and Chloromethane
WG2512156	L1857512-16	1,2-Dibromo-3-Chloropropane, 4-Methyl-2-pentanone (MIBK), Acrylonitrile and Chloromethane
WG2512156	L1857512-18	1,2-Dibromo-3-Chloropropane, 4-Methyl-2-pentanone (MIBK), Acrylonitrile and Chloromethane
WG2512156	L1857512-19	1,2-Dibromo-3-Chloropropane, 4-Methyl-2-pentanone (MIBK), Acrylonitrile and Chloromethane
WG2512156	L1857512-20	1,2-Dibromo-3-Chloropropane, 4-Methyl-2-pentanone (MIBK), Acrylonitrile and Chloromethane
WG2512156	L1857512-22	1,2-Dibromo-3-Chloropropane, 4-Methyl-2-pentanone (MIBK), Acrylonitrile and Chloromethane
WG2512156	L1857512-23	1,2-Dibromo-3-Chloropropane, 4-Methyl-2-pentanone (MIBK), Acrylonitrile and Chloromethane
WG2512156	L1857512-24	1,2-Dibromo-3-Chloropropane, 4-Methyl-2-pentanone (MIBK), Acrylonitrile and Chloromethane
WG2512156	L1857512-25	1,2-Dibromo-3-Chloropropane, 4-Methyl-2-pentanone (MIBK), Acrylonitrile and Chloromethane

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

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

Batch	Analyte	Lab Sample ID
WG2512156	1,2-Dichloroethane-d4	L1857512-20

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
WG2512038	L1857512-01	2,4-Dimethylphenol, Bis(2-chloroethyl)ether, n-Nitrosodi-n-propylamine and Phenol
WG2512038	L1857512-02	2,4-Dimethylphenol, Bis(2-chloroethyl)ether, n-Nitrosodi-n-propylamine and Phenol
WG2512038	L1857512-03	2,4-Dimethylphenol, Bis(2-chloroethyl)ether, n-Nitrosodi-n-propylamine and Phenol
WG2512038	L1857512-05	2,4-Dimethylphenol, Bis(2-chloroethyl)ether, n-Nitrosodi-n-propylamine and Phenol
WG2512038	L1857512-06	2,4-Dimethylphenol, Bis(2-chloroethyl)ether, n-Nitrosodi-n-propylamine and Phenol
WG2512038	L1857512-08	2,4-Dimethylphenol, Bis(2-chloroethyl)ether, n-Nitrosodi-n-propylamine and Phenol
WG2512038	L1857512-09	2,4-Dimethylphenol, Bis(2-chloroethyl)ether, n-Nitrosodi-n-propylamine and Phenol
WG2512038	L1857512-10	2,4-Dimethylphenol, Bis(2-chloroethyl)ether, n-Nitrosodi-n-propylamine and Phenol
WG2512038	L1857512-12	Bis(2-chlorethoxy)methane, Hexachlorocyclopentadiene and n-Nitrosodi-n-propylamine
WG2512038	L1857512-13	Bis(2-chlorethoxy)methane, Hexachlorocyclopentadiene and n-Nitrosodi-n-propylamine
WG2512038	L1857512-14	Bis(2-chlorethoxy)methane, Hexachlorocyclopentadiene and n-Nitrosodi-n-propylamine
WG2512038	L1857512-15	2,4-Dimethylphenol, Bis(2-chloroethyl)ether, n-Nitrosodi-n-propylamine and Phenol
WG2512038	L1857512-16	Bis(2-chlorethoxy)methane, Hexachlorocyclopentadiene and n-Nitrosodi-n-propylamine
WG2512038	L1857512-18	2,4-Dimethylphenol, Bis(2-chloroethyl)ether, n-Nitrosodi-n-propylamine and Phenol
WG2512038	L1857512-19	2,4-Dimethylphenol, Bis(2-chloroethyl)ether, n-Nitrosodi-n-propylamine and Phenol
WG2512038	L1857512-20	2,4-Dimethylphenol, Bis(2-chloroethyl)ether, n-Nitrosodi-n-propylamine and Phenol
WG2512038	L1857512-22	2,4-Dimethylphenol, Bis(2-chloroethyl)ether, n-Nitrosodi-n-propylamine and Phenol
WG2512038	L1857512-23	Bis(2-chlorethoxy)methane, Hexachlorocyclopentadiene and n-Nitrosodi-n-propylamine
WG2512038	L1857512-24	2,4-Dimethylphenol, Bis(2-chloroethyl)ether, n-Nitrosodi-n-propylamine and Phenol
WG2512038	L1857512-25	2,4-Dimethylphenol, Bis(2-chloroethyl)ether, n-Nitrosodi-n-propylamine and Phenol

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

Batch	Lab Sample ID	Analytes
WG2512038	L1857512-01	Hexachlorocyclopentadiene
WG2512038	L1857512-02	Hexachlorocyclopentadiene
WG2512038	L1857512-03	Hexachlorocyclopentadiene
WG2512038	L1857512-05	Hexachlorocyclopentadiene
WG2512038	L1857512-06	Hexachlorocyclopentadiene
WG2512038	L1857512-08	Hexachlorocyclopentadiene
WG2512038	L1857512-09	Hexachlorocyclopentadiene
WG2512038	L1857512-10	Hexachlorocyclopentadiene
WG2512038	L1857512-12	Benzidine
WG2512038	L1857512-13	Benzidine
WG2512038	L1857512-14	Benzidine
WG2512038	L1857512-15	Hexachlorocyclopentadiene
WG2512038	L1857512-16	Benzidine
WG2512038	L1857512-18	Hexachlorocyclopentadiene
WG2512038	L1857512-19	Hexachlorocyclopentadiene
WG2512038	L1857512-20	Hexachlorocyclopentadiene
WG2512038	L1857512-22	Hexachlorocyclopentadiene
WG2512038	L1857512-23	Benzidine
WG2512038	L1857512-24	Hexachlorocyclopentadiene
WG2512038	L1857512-25	Hexachlorocyclopentadiene

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. Data is likely to show a low bias concerning the result.

Batch	Lab Sample ID	Analytes
WG2512038	L1857512-01	Bis(2-chlorethoxy)methane
WG2512038	L1857512-02	Bis(2-chlorethoxy)methane
WG2512038	L1857512-03	Bis(2-chlorethoxy)methane
WG2512038	L1857512-05	Bis(2-chlorethoxy)methane
WG2512038	L1857512-06	Bis(2-chlorethoxy)methane
WG2512038	L1857512-08	Bis(2-chlorethoxy)methane
WG2512038	L1857512-09	Bis(2-chlorethoxy)methane
WG2512038	L1857512-10	Bis(2-chlorethoxy)methane
WG2512038	L1857512-15	Bis(2-chlorethoxy)methane
WG2512038	L1857512-18	Bis(2-chlorethoxy)methane
WG2512038	L1857512-19	Bis(2-chlorethoxy)methane
WG2512038	L1857512-20	Bis(2-chlorethoxy)methane
WG2512038	L1857512-22	Bis(2-chlorethoxy)methane
WG2512038	L1857512-24	Bis(2-chlorethoxy)methane
WG2512038	L1857512-25	Bis(2-chlorethoxy)methane

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

Batch	Lab Sample ID	Analytes
WG2512038	(LCS) R4212977-1, L1857512-01, 02, 03, 05, 06, 08, 09, 10, 12, 13, 14, 15, 16, 18, 19, 20, 22, 23, 24, 25	4,6-Dinitro-2-methylphenol

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

Batch	Lab Sample ID	Analytes
WG2512038	(MS) R4213082-1, (MSD) R4213082-2, L1857512-08	Hexachlorocyclopentadiene

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

Batch	Lab Sample ID	Analytes
WG2512038	(MSD) R4213082-2, L1857512-08	Hexachlorocyclopentadiene

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1590000		23800	1	05/13/2025 00:00	WG2512146

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.1		1	05/10/2025 14:39	WG2512083

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	05/13/2025 01:19	WG2512303

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	1530000		119000	5	05/13/2025 00:00	WG2512301

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	56900		23800	1	05/10/2025 21:07	WG2512146

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	22200000		500000	5	05/12/2025 17:50	WG2512160

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	3840000		23800	1	05/10/2025 23:15	WG2512121
Antimony	ND		2380	1	05/10/2025 23:15	WG2512121
Beryllium	431		238	1	05/10/2025 23:15	WG2512121
Calcium	21500000		119000	1	05/10/2025 23:15	WG2512121
Cobalt	3450		1190	1	05/10/2025 23:15	WG2512121
Iron	6630000		11900	1	05/10/2025 23:15	WG2512121
Magnesium	2890000		119000	1	05/10/2025 23:15	WG2512121
Manganese	214000		1190	1	05/10/2025 23:15	WG2512121
Potassium	1350000		119000	1	05/10/2025 23:15	WG2512121
Sodium	233000		119000	1	05/10/2025 23:15	WG2512121
Thallium	ND		2380	1	05/10/2025 23:15	WG2512121
Vanadium	13200		2380	1	05/10/2025 23:15	WG2512121

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		68.9	1	05/10/2025 19:56	WG2512156
Acrylonitrile	ND	C3	17.2	1	05/10/2025 19:56	WG2512156
Bromobenzene	ND		17.2	1	05/10/2025 19:56	WG2512156
Bromodichloromethane	ND		3.44	1	05/10/2025 19:56	WG2512156
Bromoform	ND		34.4	1	05/10/2025 19:56	WG2512156
Bromomethane	ND		17.2	1	05/10/2025 19:56	WG2512156

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	05/10/2025 19:56	WG2512156
sec-Butylbenzene	ND		17.2	1	05/10/2025 19:56	WG2512156
tert-Butylbenzene	ND		6.89	1	05/10/2025 19:56	WG2512156
Carbon tetrachloride	ND		6.89	1	05/10/2025 19:56	WG2512156
Chlorobenzene	ND		3.44	1	05/10/2025 19:56	WG2512156
Chlorodibromomethane	ND		3.44	1	05/10/2025 19:56	WG2512156
Chloroethane	ND		6.89	1	05/10/2025 19:56	WG2512156
Chloroform	ND		3.44	1	05/10/2025 19:56	WG2512156
Chloromethane	ND	C3	17.2	1	05/10/2025 19:56	WG2512156
2-Chlorotoluene	ND		3.44	1	05/10/2025 19:56	WG2512156
4-Chlorotoluene	ND		6.89	1	05/10/2025 19:56	WG2512156
1,2-Dibromo-3-Chloropropane	ND	C3	34.4	1	05/10/2025 19:56	WG2512156
1,2-Dibromoethane	ND		3.44	1	05/10/2025 19:56	WG2512156
Dibromomethane	ND		6.89	1	05/10/2025 19:56	WG2512156
1,2-Dichlorobenzene	ND		6.89	1	05/10/2025 19:56	WG2512156
1,3-Dichlorobenzene	ND		6.89	1	05/10/2025 19:56	WG2512156
1,4-Dichlorobenzene	ND		6.89	1	05/10/2025 19:56	WG2512156
Dichlorodifluoromethane	ND		6.89	1	05/10/2025 19:56	WG2512156
1,1-Dichloroethane	ND		3.44	1	05/10/2025 19:56	WG2512156
1,2-Dichloroethane	ND		3.44	1	05/10/2025 19:56	WG2512156
1,1-Dichloroethene	ND		3.44	1	05/10/2025 19:56	WG2512156
cis-1,2-Dichloroethene	ND		3.44	1	05/10/2025 19:56	WG2512156
trans-1,2-Dichloroethene	ND		6.89	1	05/10/2025 19:56	WG2512156
1,2-Dichloropropane	ND		6.89	1	05/10/2025 19:56	WG2512156
1,1-Dichloropropene	ND		3.44	1	05/10/2025 19:56	WG2512156
1,3-Dichloropropane	ND		6.89	1	05/10/2025 19:56	WG2512156
cis-1,3-Dichloropropene	ND		3.44	1	05/10/2025 19:56	WG2512156
trans-1,3-Dichloropropene	ND		6.89	1	05/10/2025 19:56	WG2512156
2,2-Dichloropropane	ND		3.44	1	05/10/2025 19:56	WG2512156
Di-isopropyl ether	ND		1.38	1	05/10/2025 19:56	WG2512156
Hexachloro-1,3-butadiene	ND		34.4	1	05/10/2025 19:56	WG2512156
Isopropylbenzene	ND		3.44	1	05/10/2025 19:56	WG2512156
p-Isopropyltoluene	ND		6.89	1	05/10/2025 19:56	WG2512156
2-Butanone (MEK)	ND		138	1	05/10/2025 19:56	WG2512156
Methylene Chloride	ND		34.4	1	05/10/2025 19:56	WG2512156
4-Methyl-2-pentanone (MIBK)	ND	C3	34.4	1	05/10/2025 19:56	WG2512156
Methyl tert-butyl ether	ND		1.38	1	05/10/2025 19:56	WG2512156
n-Propylbenzene	ND		6.89	1	05/10/2025 19:56	WG2512156
Styrene	ND		17.2	1	05/10/2025 19:56	WG2512156
1,1,1,2-Tetrachloroethane	ND		3.44	1	05/10/2025 19:56	WG2512156
1,1,2,2-Tetrachloroethane	ND		3.44	1	05/10/2025 19:56	WG2512156
1,1,2-Trichlorotrifluoroethane	ND		3.44	1	05/10/2025 19:56	WG2512156
Tetrachloroethene	ND		3.44	1	05/10/2025 19:56	WG2512156
1,2,3-Trichlorobenzene	ND		17.2	1	05/10/2025 19:56	WG2512156
1,2,4-Trichlorobenzene	ND		17.2	1	05/10/2025 19:56	WG2512156
1,1,1-Trichloroethane	ND		3.44	1	05/10/2025 19:56	WG2512156
1,1,2-Trichloroethane	ND		3.44	1	05/10/2025 19:56	WG2512156
Trichloroethene	ND		1.38	1	05/10/2025 19:56	WG2512156
Trichlorofluoromethane	ND		3.44	1	05/10/2025 19:56	WG2512156
1,2,3-Trichloropropane	ND		17.2	1	05/10/2025 19:56	WG2512156
1,2,3-Trimethylbenzene	ND		6.89	1	05/10/2025 19:56	WG2512156
Vinyl chloride	ND		3.44	1	05/10/2025 19:56	WG2512156
(S) Toluene-d8	*95.0*		*75.0-131*		*05/10/2025 19:56*	WG2512156
(S) 4-Bromofluorobenzene	*91.7*		*67.0-138*		*05/10/2025 19:56*	WG2512156
(S) 1,2-Dichloroethane-d4	*110*		*70.0-130*		*05/10/2025 19:56*	WG2512156

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	05/11/2025 16:58	WG2512038
Benzidine	ND		3970	2	05/11/2025 16:58	WG2512038
Benzo(g,h,i)perylene	ND		79.2	2	05/11/2025 16:58	WG2512038
Bis(2-chlorethoxy)methane	ND	C4	792	2	05/11/2025 16:58	WG2512038
Bis(2-chloroethyl)ether	ND	C3	792	2	05/11/2025 16:58	WG2512038
2,2-Oxybis(1-Chloropropane)	ND		792	2	05/11/2025 16:58	WG2512038
4-Bromophenyl-phenylether	ND		792	2	05/11/2025 16:58	WG2512038
2-Chloronaphthalene	ND		79.2	2	05/11/2025 16:58	WG2512038
4-Chlorophenyl-phenylether	ND		792	2	05/11/2025 16:58	WG2512038
1,2-Dichlorobenzene	ND		792	2	05/11/2025 16:58	WG2512038
1,3-Dichlorobenzene	ND		792	2	05/11/2025 16:58	WG2512038
1,4-Dichlorobenzene	ND		792	2	05/11/2025 16:58	WG2512038
3,3-Dichlorobenzidine	ND		792	2	05/11/2025 16:58	WG2512038
2,4-Dinitrotoluene	ND		792	2	05/11/2025 16:58	WG2512038
2,6-Dinitrotoluene	ND		792	2	05/11/2025 16:58	WG2512038
Hexachlorobenzene	ND		792	2	05/11/2025 16:58	WG2512038
Hexachloro-1,3-butadiene	ND		792	2	05/11/2025 16:58	WG2512038
Hexachlorocyclopentadiene	ND	C7	792	2	05/11/2025 16:58	WG2512038
Hexachloroethane	ND		792	2	05/11/2025 16:58	WG2512038
Isophorone	ND		792	2	05/11/2025 16:58	WG2512038
Nitrobenzene	ND		792	2	05/11/2025 16:58	WG2512038
n-Nitrosodimethylamine	ND		792	2	05/11/2025 16:58	WG2512038
n-Nitrosodiphenylamine	ND		792	2	05/11/2025 16:58	WG2512038
n-Nitrosodi-n-propylamine	ND	C3	792	2	05/11/2025 16:58	WG2512038
Phenanthrene	ND		79.2	2	05/11/2025 16:58	WG2512038
Benzylbutyl phthalate	ND		792	2	05/11/2025 16:58	WG2512038
Bis(2-ethylhexyl)phthalate	ND		792	2	05/11/2025 16:58	WG2512038
Di-n-butyl phthalate	ND		792	2	05/11/2025 16:58	WG2512038
Diethyl phthalate	ND		792	2	05/11/2025 16:58	WG2512038
Dimethyl phthalate	ND		792	2	05/11/2025 16:58	WG2512038
Di-n-octyl phthalate	ND		792	2	05/11/2025 16:58	WG2512038
1,2,4-Trichlorobenzene	ND		792	2	05/11/2025 16:58	WG2512038
4-Chloro-3-methylphenol	ND		792	2	05/11/2025 16:58	WG2512038
2-Chlorophenol	ND		792	2	05/11/2025 16:58	WG2512038
2,4-Dichlorophenol	ND		792	2	05/11/2025 16:58	WG2512038
2,4-Dimethylphenol	ND	C3	792	2	05/11/2025 16:58	WG2512038
4,6-Dinitro-2-methylphenol	ND	J4	792	2	05/11/2025 16:58	WG2512038
2,4-Dinitrophenol	ND		792	2	05/11/2025 16:58	WG2512038
2-Nitrophenol	ND		792	2	05/11/2025 16:58	WG2512038
4-Nitrophenol	ND		792	2	05/11/2025 16:58	WG2512038
Pentachlorophenol	ND		792	2	05/11/2025 16:58	WG2512038
Phenol	ND	C3	792	2	05/11/2025 16:58	WG2512038
2,4,6-Trichlorophenol	ND		792	2	05/11/2025 16:58	WG2512038
(S) 2-Fluorophenol	*60.4*		*12.0-120*		*05/11/2025 16:58*	WG2512038
(S) Phenol-d5	*61.2*		*10.0-120*		*05/11/2025 16:58*	WG2512038
(S) Nitrobenzene-d5	*69.1*		*10.0-122*		*05/11/2025 16:58*	WG2512038
(S) 2-Fluorobiphenyl	*82.6*		*15.0-120*		*05/11/2025 16:58*	WG2512038
(S) 2,4,6-Tribromophenol	*103*		*10.0-127*		*05/11/2025 16:58*	WG2512038
(S) p-Terphenyl-d14	*87.5*		*10.0-120*		*05/11/2025 16:58*	WG2512038

Sample Narrative:

L1857512-01 WG2512038: 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	1570000		119000	1	05/13/2025 00:01	WG2512146

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.2		1	05/10/2025 14:39	WG2512083

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	05/13/2025 01:22	WG2512303

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	1480000		119000	5	05/13/2025 00:01	WG2512301

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		247000	10.4	05/10/2025 21:24	WG2512146

Sample Narrative:

L1857512-02 WG2512146: 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	24700000		500000	5	05/12/2025 17:51	WG2512160

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	3640000		23800	1	05/10/2025 23:16	WG2512121
Antimony	ND		2380	1	05/10/2025 23:16	WG2512121
Beryllium	446		238	1	05/10/2025 23:16	WG2512121
Calcium	23200000		119000	1	05/10/2025 23:16	WG2512121
Cobalt	3860		1190	1	05/10/2025 23:16	WG2512121
Iron	7480000		11900	1	05/10/2025 23:16	WG2512121
Magnesium	3470000		119000	1	05/10/2025 23:16	WG2512121
Manganese	245000		1190	1	05/10/2025 23:16	WG2512121
Potassium	1220000		119000	1	05/10/2025 23:16	WG2512121
Sodium	314000		119000	1	05/10/2025 23:16	WG2512121
Thallium	ND		2380	1	05/10/2025 23:16	WG2512121
Vanadium	12400		2380	1	05/10/2025 23:16	WG2512121

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		68.8	1	05/10/2025 20:17	WG2512156
Acrylonitrile	ND	C3	17.2	1	05/10/2025 20:17	WG2512156
Bromobenzene	ND		17.2	1	05/10/2025 20:17	WG2512156

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		3.44	1	05/10/2025 20:17	WG2512156
Bromoform	ND		34.4	1	05/10/2025 20:17	WG2512156
Bromomethane	ND		17.2	1	05/10/2025 20:17	WG2512156
n-Butylbenzene	ND		17.2	1	05/10/2025 20:17	WG2512156
sec-Butylbenzene	ND		17.2	1	05/10/2025 20:17	WG2512156
tert-Butylbenzene	ND		6.88	1	05/10/2025 20:17	WG2512156
Carbon tetrachloride	ND		6.88	1	05/10/2025 20:17	WG2512156
Chlorobenzene	ND		3.44	1	05/10/2025 20:17	WG2512156
Chlorodibromomethane	ND		3.44	1	05/10/2025 20:17	WG2512156
Chloroethane	ND		6.88	1	05/10/2025 20:17	WG2512156
Chloroform	ND		3.44	1	05/10/2025 20:17	WG2512156
Chloromethane	ND	C3	17.2	1	05/10/2025 20:17	WG2512156
2-Chlorotoluene	ND		3.44	1	05/10/2025 20:17	WG2512156
4-Chlorotoluene	ND		6.88	1	05/10/2025 20:17	WG2512156
1,2-Dibromo-3-Chloropropane	ND	C3	34.4	1	05/10/2025 20:17	WG2512156
1,2-Dibromoethane	ND		3.44	1	05/10/2025 20:17	WG2512156
Dibromomethane	ND		6.88	1	05/10/2025 20:17	WG2512156
1,2-Dichlorobenzene	ND		6.88	1	05/10/2025 20:17	WG2512156
1,3-Dichlorobenzene	ND		6.88	1	05/10/2025 20:17	WG2512156
1,4-Dichlorobenzene	ND		6.88	1	05/10/2025 20:17	WG2512156
Dichlorodifluoromethane	ND		6.88	1	05/10/2025 20:17	WG2512156
1,1-Dichloroethane	ND		3.44	1	05/10/2025 20:17	WG2512156
1,2-Dichloroethane	ND		3.44	1	05/10/2025 20:17	WG2512156
1,1-Dichloroethene	ND		3.44	1	05/10/2025 20:17	WG2512156
cis-1,2-Dichloroethene	ND		3.44	1	05/10/2025 20:17	WG2512156
trans-1,2-Dichloroethene	ND		6.88	1	05/10/2025 20:17	WG2512156
1,2-Dichloropropane	ND		6.88	1	05/10/2025 20:17	WG2512156
1,1-Dichloropropene	ND		3.44	1	05/10/2025 20:17	WG2512156
1,3-Dichloropropane	ND		6.88	1	05/10/2025 20:17	WG2512156
cis-1,3-Dichloropropene	ND		3.44	1	05/10/2025 20:17	WG2512156
trans-1,3-Dichloropropene	ND		6.88	1	05/10/2025 20:17	WG2512156
2,2-Dichloropropane	ND		3.44	1	05/10/2025 20:17	WG2512156
Di-isopropyl ether	ND		1.38	1	05/10/2025 20:17	WG2512156
Hexachloro-1,3-butadiene	ND		34.4	1	05/10/2025 20:17	WG2512156
Isopropylbenzene	ND		3.44	1	05/10/2025 20:17	WG2512156
p-Isopropyltoluene	ND		6.88	1	05/10/2025 20:17	WG2512156
2-Butanone (MEK)	ND		138	1	05/10/2025 20:17	WG2512156
Methylene Chloride	ND		34.4	1	05/10/2025 20:17	WG2512156
4-Methyl-2-pentanone (MIBK)	ND	C3	34.4	1	05/10/2025 20:17	WG2512156
Methyl tert-butyl ether	ND		1.38	1	05/10/2025 20:17	WG2512156
n-Propylbenzene	ND		6.88	1	05/10/2025 20:17	WG2512156
Styrene	ND		17.2	1	05/10/2025 20:17	WG2512156
1,1,1,2-Tetrachloroethane	ND		3.44	1	05/10/2025 20:17	WG2512156
1,1,2,2-Tetrachloroethane	ND		3.44	1	05/10/2025 20:17	WG2512156
1,1,2-Trichlorotrifluoroethane	ND		3.44	1	05/10/2025 20:17	WG2512156
Tetrachloroethene	ND		3.44	1	05/10/2025 20:17	WG2512156
1,2,3-Trichlorobenzene	ND		17.2	1	05/10/2025 20:17	WG2512156
1,2,4-Trichlorobenzene	ND		17.2	1	05/10/2025 20:17	WG2512156
1,1,1-Trichloroethane	ND		3.44	1	05/10/2025 20:17	WG2512156
1,1,2-Trichloroethane	ND		3.44	1	05/10/2025 20:17	WG2512156
Trichloroethene	ND		1.38	1	05/10/2025 20:17	WG2512156
Trichlorofluoromethane	ND		3.44	1	05/10/2025 20:17	WG2512156
1,2,3-Trichloropropane	ND		17.2	1	05/10/2025 20:17	WG2512156
1,2,3-Trimethylbenzene	ND		6.88	1	05/10/2025 20:17	WG2512156
Vinyl chloride	ND		3.44	1	05/10/2025 20:17	WG2512156
(S) Toluene-d8	*97.9*		*75.0-131*		*05/10/2025 20:17*	WG2512156

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

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	*90.4*		*67.0-138*		*05/10/2025 20:17*	WG2512156
(S) 1,2-Dichloroethane-d4	*105*		*70.0-130*		*05/10/2025 20:17*	WG2512156

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		79.1	2	05/11/2025 15:34	WG2512038
Benzidine	ND		3970	2	05/11/2025 15:34	WG2512038
Benzo(g,h,i)perylene	ND		79.1	2	05/11/2025 15:34	WG2512038
Bis(2-chlorethoxy)methane	ND	C4	791	2	05/11/2025 15:34	WG2512038
Bis(2-chloroethyl)ether	ND	C3	791	2	05/11/2025 15:34	WG2512038
2,2-Oxybis(1-Chloropropane)	ND		791	2	05/11/2025 15:34	WG2512038
4-Bromophenyl-phenylether	ND		791	2	05/11/2025 15:34	WG2512038
2-Chloronaphthalene	ND		79.1	2	05/11/2025 15:34	WG2512038
4-Chlorophenyl-phenylether	ND		791	2	05/11/2025 15:34	WG2512038
1,2-Dichlorobenzene	ND		791	2	05/11/2025 15:34	WG2512038
1,3-Dichlorobenzene	ND		791	2	05/11/2025 15:34	WG2512038
1,4-Dichlorobenzene	ND		791	2	05/11/2025 15:34	WG2512038
3,3-Dichlorobenzidine	ND		791	2	05/11/2025 15:34	WG2512038
2,4-Dinitrotoluene	ND		791	2	05/11/2025 15:34	WG2512038
2,6-Dinitrotoluene	ND		791	2	05/11/2025 15:34	WG2512038
Hexachlorobenzene	ND		791	2	05/11/2025 15:34	WG2512038
Hexachloro-1,3-butadiene	ND		791	2	05/11/2025 15:34	WG2512038
Hexachlorocyclopentadiene	ND	C7	791	2	05/11/2025 15:34	WG2512038
Hexachloroethane	ND		791	2	05/11/2025 15:34	WG2512038
Isophorone	ND		791	2	05/11/2025 15:34	WG2512038
Nitrobenzene	ND		791	2	05/11/2025 15:34	WG2512038
n-Nitrosodimethylamine	ND		791	2	05/11/2025 15:34	WG2512038
n-Nitrosodiphenylamine	ND		791	2	05/11/2025 15:34	WG2512038
n-Nitrosodi-n-propylamine	ND	C3	791	2	05/11/2025 15:34	WG2512038
Phenanthrene	ND		79.1	2	05/11/2025 15:34	WG2512038
Benzylbutyl phthalate	ND		791	2	05/11/2025 15:34	WG2512038
Bis(2-ethylhexyl)phthalate	ND		791	2	05/11/2025 15:34	WG2512038
Di-n-butyl phthalate	ND		791	2	05/11/2025 15:34	WG2512038
Diethyl phthalate	ND		791	2	05/11/2025 15:34	WG2512038
Dimethyl phthalate	ND		791	2	05/11/2025 15:34	WG2512038
Di-n-octyl phthalate	ND		791	2	05/11/2025 15:34	WG2512038
1,2,4-Trichlorobenzene	ND		791	2	05/11/2025 15:34	WG2512038
4-Chloro-3-methylphenol	ND		791	2	05/11/2025 15:34	WG2512038
2-Chlorophenol	ND		791	2	05/11/2025 15:34	WG2512038
2,4-Dichlorophenol	ND		791	2	05/11/2025 15:34	WG2512038
2,4-Dimethylphenol	ND	C3	791	2	05/11/2025 15:34	WG2512038
4,6-Dinitro-2-methylphenol	ND	J4	791	2	05/11/2025 15:34	WG2512038
2,4-Dinitrophenol	ND		791	2	05/11/2025 15:34	WG2512038
2-Nitrophenol	ND		791	2	05/11/2025 15:34	WG2512038
4-Nitrophenol	ND		791	2	05/11/2025 15:34	WG2512038
Pentachlorophenol	ND		791	2	05/11/2025 15:34	WG2512038
Phenol	ND	C3	791	2	05/11/2025 15:34	WG2512038
2,4,6-Trichlorophenol	ND		791	2	05/11/2025 15:34	WG2512038
(S) 2-Fluorophenol	*63.0*		*12.0-120*		*05/11/2025 15:34*	WG2512038
(S) Phenol-d5	*66.3*		*10.0-120*		*05/11/2025 15:34*	WG2512038
(S) Nitrobenzene-d5	*69.6*		*10.0-122*		*05/11/2025 15:34*	WG2512038
(S) 2-Fluorobiphenyl	*80.1*		*15.0-120*		*05/11/2025 15:34*	WG2512038
(S) 2,4,6-Tribromophenol	*90.4*		*10.0-127*		*05/11/2025 15:34*	WG2512038
(S) p-Terphenyl-d14	*83.7*		*10.0-120*		*05/11/2025 15:34*	WG2512038

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:

L1857512-02 WG2512038: 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	1750000		119000	1	05/13/2025 00:01	WG2512146

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.1		1	05/10/2025 14:39	WG2512083

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	05/13/2025 01:23	WG2512303

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	1690000		119000	5	05/13/2025 00:01	WG2512301

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		238000	10	05/10/2025 22:13	WG2512146

Sample Narrative:

L1857512-03 WG2512146: 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	29800000		500000	5	05/12/2025 17:52	WG2512160

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	3620000		23800	1	05/10/2025 23:18	WG2512121
Antimony	ND		2380	1	05/10/2025 23:18	WG2512121
Beryllium	452		238	1	05/10/2025 23:18	WG2512121
Calcium	16600000		119000	1	05/10/2025 23:18	WG2512121
Cobalt	4160		1190	1	05/10/2025 23:18	WG2512121
Iron	6470000		11900	1	05/10/2025 23:18	WG2512121
Magnesium	2710000		119000	1	05/10/2025 23:18	WG2512121
Manganese	324000		1190	1	05/10/2025 23:18	WG2512121
Potassium	1410000		119000	1	05/10/2025 23:18	WG2512121
Sodium	256000		119000	1	05/10/2025 23:18	WG2512121
Thallium	ND		2380	1	05/10/2025 23:18	WG2512121
Vanadium	12100		2380	1	05/10/2025 23:18	WG2512121

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	05/10/2025 20:37	WG2512156
Acrylonitrile	ND	C3	17.2	1	05/10/2025 20:37	WG2512156
Bromobenzene	ND		17.2	1	05/10/2025 20:37	WG2512156

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		3.45	1	05/10/2025 20:37	WG2512156
Bromoform	ND		34.5	1	05/10/2025 20:37	WG2512156
Bromomethane	ND		17.2	1	05/10/2025 20:37	WG2512156
n-Butylbenzene	ND		17.2	1	05/10/2025 20:37	WG2512156
sec-Butylbenzene	ND		17.2	1	05/10/2025 20:37	WG2512156
tert-Butylbenzene	ND		6.90	1	05/10/2025 20:37	WG2512156
Carbon tetrachloride	ND		6.90	1	05/10/2025 20:37	WG2512156
Chlorobenzene	ND		3.45	1	05/10/2025 20:37	WG2512156
Chlorodibromomethane	ND		3.45	1	05/10/2025 20:37	WG2512156
Chloroethane	ND		6.90	1	05/10/2025 20:37	WG2512156
Chloroform	ND		3.45	1	05/10/2025 20:37	WG2512156
Chloromethane	ND	C3	17.2	1	05/10/2025 20:37	WG2512156
2-Chlorotoluene	ND		3.45	1	05/10/2025 20:37	WG2512156
4-Chlorotoluene	ND		6.90	1	05/10/2025 20:37	WG2512156
1,2-Dibromo-3-Chloropropane	ND	C3	34.5	1	05/10/2025 20:37	WG2512156
1,2-Dibromoethane	ND		3.45	1	05/10/2025 20:37	WG2512156
Dibromomethane	ND		6.90	1	05/10/2025 20:37	WG2512156
1,2-Dichlorobenzene	ND		6.90	1	05/10/2025 20:37	WG2512156
1,3-Dichlorobenzene	ND		6.90	1	05/10/2025 20:37	WG2512156
1,4-Dichlorobenzene	ND		6.90	1	05/10/2025 20:37	WG2512156
Dichlorodifluoromethane	ND		6.90	1	05/10/2025 20:37	WG2512156
1,1-Dichloroethane	ND		3.45	1	05/10/2025 20:37	WG2512156
1,2-Dichloroethane	ND		3.45	1	05/10/2025 20:37	WG2512156
1,1-Dichloroethene	ND		3.45	1	05/10/2025 20:37	WG2512156
cis-1,2-Dichloroethene	ND		3.45	1	05/10/2025 20:37	WG2512156
trans-1,2-Dichloroethene	ND		6.90	1	05/10/2025 20:37	WG2512156
1,2-Dichloropropane	ND		6.90	1	05/10/2025 20:37	WG2512156
1,1-Dichloropropene	ND		3.45	1	05/10/2025 20:37	WG2512156
1,3-Dichloropropane	ND		6.90	1	05/10/2025 20:37	WG2512156
cis-1,3-Dichloropropene	ND		3.45	1	05/10/2025 20:37	WG2512156
trans-1,3-Dichloropropene	ND		6.90	1	05/10/2025 20:37	WG2512156
2,2-Dichloropropane	ND		3.45	1	05/10/2025 20:37	WG2512156
Di-isopropyl ether	ND		1.38	1	05/10/2025 20:37	WG2512156
Hexachloro-1,3-butadiene	ND		34.5	1	05/10/2025 20:37	WG2512156
Isopropylbenzene	ND		3.45	1	05/10/2025 20:37	WG2512156
p-Isopropyltoluene	ND		6.90	1	05/10/2025 20:37	WG2512156
2-Butanone (MEK)	ND		138	1	05/10/2025 20:37	WG2512156
Methylene Chloride	ND		34.5	1	05/10/2025 20:37	WG2512156
4-Methyl-2-pentanone (MIBK)	ND	C3	34.5	1	05/10/2025 20:37	WG2512156
Methyl tert-butyl ether	ND		1.38	1	05/10/2025 20:37	WG2512156
n-Propylbenzene	ND		6.90	1	05/10/2025 20:37	WG2512156
Styrene	ND		17.2	1	05/10/2025 20:37	WG2512156
1,1,1,2-Tetrachloroethane	ND		3.45	1	05/10/2025 20:37	WG2512156
1,1,2,2-Tetrachloroethane	ND		3.45	1	05/10/2025 20:37	WG2512156
1,1,2-Trichlorotrifluoroethane	ND		3.45	1	05/10/2025 20:37	WG2512156
Tetrachloroethene	ND		3.45	1	05/10/2025 20:37	WG2512156
1,2,3-Trichlorobenzene	ND		17.2	1	05/10/2025 20:37	WG2512156
1,2,4-Trichlorobenzene	ND		17.2	1	05/10/2025 20:37	WG2512156
1,1,1-Trichloroethane	ND		3.45	1	05/10/2025 20:37	WG2512156
1,1,2-Trichloroethane	ND		3.45	1	05/10/2025 20:37	WG2512156
Trichloroethene	ND		1.38	1	05/10/2025 20:37	WG2512156
Trichlorofluoromethane	ND		3.45	1	05/10/2025 20:37	WG2512156
1,2,3-Trichloropropane	ND		17.2	1	05/10/2025 20:37	WG2512156
1,2,3-Trimethylbenzene	ND		6.90	1	05/10/2025 20:37	WG2512156
Vinyl chloride	ND		3.45	1	05/10/2025 20:37	WG2512156
(S) Toluene-d8	*103*		*75.0-131*		*05/10/2025 20:37*	WG2512156

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	*95.3*		*67.0-138*		*05/10/2025 20:37*	WG2512156
(S) 1,2-Dichloroethane-d4	*107*		*70.0-130*		*05/10/2025 20:37*	WG2512156

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	05/11/2025 17:19	WG2512038
Benzidine	ND		3970	2	05/11/2025 17:19	WG2512038
Benzo(g,h,i)perylene	ND		79.2	2	05/11/2025 17:19	WG2512038
Bis(2-chlorethoxy)methane	ND	C4	792	2	05/11/2025 17:19	WG2512038
Bis(2-chloroethyl)ether	ND	C3	792	2	05/11/2025 17:19	WG2512038
2,2-Oxybis(1-Chloropropane)	ND		792	2	05/11/2025 17:19	WG2512038
4-Bromophenyl-phenylether	ND		792	2	05/11/2025 17:19	WG2512038
2-Chloronaphthalene	ND		79.2	2	05/11/2025 17:19	WG2512038
4-Chlorophenyl-phenylether	ND		792	2	05/11/2025 17:19	WG2512038
1,2-Dichlorobenzene	ND		792	2	05/11/2025 17:19	WG2512038
1,3-Dichlorobenzene	ND		792	2	05/11/2025 17:19	WG2512038
1,4-Dichlorobenzene	ND		792	2	05/11/2025 17:19	WG2512038
3,3-Dichlorobenzidine	ND		792	2	05/11/2025 17:19	WG2512038
2,4-Dinitrotoluene	ND		792	2	05/11/2025 17:19	WG2512038
2,6-Dinitrotoluene	ND		792	2	05/11/2025 17:19	WG2512038
Hexachlorobenzene	ND		792	2	05/11/2025 17:19	WG2512038
Hexachloro-1,3-butadiene	ND		792	2	05/11/2025 17:19	WG2512038
Hexachlorocyclopentadiene	ND	C7	792	2	05/11/2025 17:19	WG2512038
Hexachloroethane	ND		792	2	05/11/2025 17:19	WG2512038
Isophorone	ND		792	2	05/11/2025 17:19	WG2512038
Nitrobenzene	ND		792	2	05/11/2025 17:19	WG2512038
n-Nitrosodimethylamine	ND		792	2	05/11/2025 17:19	WG2512038
n-Nitrosodiphenylamine	ND		792	2	05/11/2025 17:19	WG2512038
n-Nitrosodi-n-propylamine	ND	C3	792	2	05/11/2025 17:19	WG2512038
Phenanthrene	ND		79.2	2	05/11/2025 17:19	WG2512038
Benzylbutyl phthalate	ND		792	2	05/11/2025 17:19	WG2512038
Bis(2-ethylhexyl)phthalate	ND		792	2	05/11/2025 17:19	WG2512038
Di-n-butyl phthalate	ND		792	2	05/11/2025 17:19	WG2512038
Diethyl phthalate	ND		792	2	05/11/2025 17:19	WG2512038
Dimethyl phthalate	ND		792	2	05/11/2025 17:19	WG2512038
Di-n-octyl phthalate	ND		792	2	05/11/2025 17:19	WG2512038
1,2,4-Trichlorobenzene	ND		792	2	05/11/2025 17:19	WG2512038
4-Chloro-3-methylphenol	ND		792	2	05/11/2025 17:19	WG2512038
2-Chlorophenol	ND		792	2	05/11/2025 17:19	WG2512038
2,4-Dichlorophenol	ND		792	2	05/11/2025 17:19	WG2512038
2,4-Dimethylphenol	ND	C3	792	2	05/11/2025 17:19	WG2512038
4,6-Dinitro-2-methylphenol	ND	J4	792	2	05/11/2025 17:19	WG2512038
2,4-Dinitrophenol	ND		792	2	05/11/2025 17:19	WG2512038
2-Nitrophenol	ND		792	2	05/11/2025 17:19	WG2512038
4-Nitrophenol	ND		792	2	05/11/2025 17:19	WG2512038
Pentachlorophenol	ND		792	2	05/11/2025 17:19	WG2512038
Phenol	ND	C3	792	2	05/11/2025 17:19	WG2512038
2,4,6-Trichlorophenol	ND		792	2	05/11/2025 17:19	WG2512038
(S) 2-Fluorophenol	*68.6*		*12.0-120*		*05/11/2025 17:19*	WG2512038
(S) Phenol-d5	*67.1*		*10.0-120*		*05/11/2025 17:19*	WG2512038
(S) Nitrobenzene-d5	*71.2*		*10.0-122*		*05/11/2025 17:19*	WG2512038
(S) 2-Fluorobiphenyl	*79.0*		*15.0-120*		*05/11/2025 17:19*	WG2512038
(S) 2,4,6-Tribromophenol	*89.5*		*10.0-127*		*05/11/2025 17:19*	WG2512038
(S) p-Terphenyl-d14	*82.6*		*10.0-120*		*05/11/2025 17:19*	WG2512038

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:

L1857512-03 WG2512038: 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	05/10/2025 15:56	WG2512002
Acrolein	ND	C3	50.0	1	05/10/2025 15:56	WG2512002
Acrylonitrile	ND		10.0	1	05/10/2025 15:56	WG2512002
Benzene	ND		1.00	1	05/10/2025 15:56	WG2512002
Bromobenzene	ND		1.00	1	05/10/2025 15:56	WG2512002
Bromodichloromethane	ND		1.00	1	05/10/2025 15:56	WG2512002
Bromoform	ND		1.00	1	05/10/2025 15:56	WG2512002
Bromomethane	ND		5.00	1	05/10/2025 15:56	WG2512002
n-Butylbenzene	ND		1.00	1	05/10/2025 15:56	WG2512002
sec-Butylbenzene	ND		1.00	1	05/10/2025 15:56	WG2512002
tert-Butylbenzene	ND		1.00	1	05/10/2025 15:56	WG2512002
Carbon tetrachloride	ND		1.00	1	05/10/2025 15:56	WG2512002
Chlorobenzene	ND		1.00	1	05/10/2025 15:56	WG2512002
Chlorodibromomethane	ND		1.00	1	05/10/2025 15:56	WG2512002
Chloroethane	ND		5.00	1	05/10/2025 15:56	WG2512002
Chloroform	ND		5.00	1	05/10/2025 15:56	WG2512002
Chloromethane	ND		2.50	1	05/10/2025 15:56	WG2512002
2-Chlorotoluene	ND		1.00	1	05/10/2025 15:56	WG2512002
4-Chlorotoluene	ND		1.00	1	05/10/2025 15:56	WG2512002
1,2-Dibromo-3-Chloropropane	ND		5.00	1	05/10/2025 15:56	WG2512002
1,2-Dibromoethane	ND		1.00	1	05/10/2025 15:56	WG2512002
Dibromomethane	ND		1.00	1	05/10/2025 15:56	WG2512002
1,2-Dichlorobenzene	ND		1.00	1	05/10/2025 15:56	WG2512002
1,3-Dichlorobenzene	ND		1.00	1	05/10/2025 15:56	WG2512002
1,4-Dichlorobenzene	ND		1.00	1	05/10/2025 15:56	WG2512002
Dichlorodifluoromethane	ND		5.00	1	05/10/2025 15:56	WG2512002
1,1-Dichloroethane	ND		1.00	1	05/10/2025 15:56	WG2512002
1,2-Dichloroethane	ND		1.00	1	05/10/2025 15:56	WG2512002
1,1-Dichloroethene	ND		1.00	1	05/10/2025 15:56	WG2512002
cis-1,2-Dichloroethene	ND		1.00	1	05/10/2025 15:56	WG2512002
trans-1,2-Dichloroethene	ND		1.00	1	05/10/2025 15:56	WG2512002
1,2-Dichloropropane	ND		1.00	1	05/10/2025 15:56	WG2512002
1,1-Dichloropropene	ND		1.00	1	05/10/2025 15:56	WG2512002
1,3-Dichloropropane	ND		1.00	1	05/10/2025 15:56	WG2512002
cis-1,3-Dichloropropene	ND		1.00	1	05/10/2025 15:56	WG2512002
trans-1,3-Dichloropropene	ND		1.00	1	05/10/2025 15:56	WG2512002
2,2-Dichloropropane	ND		1.00	1	05/10/2025 15:56	WG2512002
Di-isopropyl ether	ND		1.00	1	05/10/2025 15:56	WG2512002
Ethylbenzene	ND		1.00	1	05/10/2025 15:56	WG2512002
Hexachloro-1,3-butadiene	ND		1.00	1	05/10/2025 15:56	WG2512002
Isopropylbenzene	ND		1.00	1	05/10/2025 15:56	WG2512002
p-Isopropyltoluene	ND		1.00	1	05/10/2025 15:56	WG2512002
2-Butanone (MEK)	ND		10.0	1	05/10/2025 15:56	WG2512002
Methylene Chloride	ND		5.00	1	05/10/2025 15:56	WG2512002
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	05/10/2025 15:56	WG2512002
Methyl tert-butyl ether	ND		1.00	1	05/10/2025 15:56	WG2512002
Naphthalene	ND	C3	5.00	1	05/10/2025 15:56	WG2512002
n-Propylbenzene	ND		1.00	1	05/10/2025 15:56	WG2512002
Styrene	ND		1.00	1	05/10/2025 15:56	WG2512002
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/10/2025 15:56	WG2512002
1,1,2,2-Tetrachloroethane	ND		1.00	1	05/10/2025 15:56	WG2512002
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	05/10/2025 15:56	WG2512002
Tetrachloroethene	ND		1.00	1	05/10/2025 15:56	WG2512002
Toluene	ND		1.00	1	05/10/2025 15:56	WG2512002
1,2,3-Trichlorobenzene	ND	C3	1.00	1	05/10/2025 15:56	WG2512002
1,2,4-Trichlorobenzene	ND		1.00	1	05/10/2025 15:56	WG2512002

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	05/10/2025 15:56	WG2512002
1,1,2-Trichloroethane	ND		1.00	1	05/10/2025 15:56	WG2512002
Trichloroethene	ND		1.00	1	05/10/2025 15:56	WG2512002
Trichlorofluoromethane	ND		5.00	1	05/10/2025 15:56	WG2512002
1,2,3-Trichloropropane	ND		2.50	1	05/10/2025 15:56	WG2512002
1,2,4-Trimethylbenzene	ND		1.00	1	05/10/2025 15:56	WG2512002
1,2,3-Trimethylbenzene	ND		1.00	1	05/10/2025 15:56	WG2512002
1,3,5-Trimethylbenzene	ND		1.00	1	05/10/2025 15:56	WG2512002
Vinyl chloride	ND		1.00	1	05/10/2025 15:56	WG2512002
Xylenes, Total	ND		3.00	1	05/10/2025 15:56	WG2512002
(S) Toluene-d8	*100*		*80.0-120*		*05/10/2025 15:56*	WG2512002
(S) 4-Bromofluorobenzene	*92.0*		*77.0-126*		*05/10/2025 15:56*	WG2512002
(S) 1,2-Dichloroethane-d4	*114*		*70.0-130*		*05/10/2025 15:56*	WG2512002

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	2290000		25700	1	05/13/2025 00:03	WG2512146

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.8		1	05/10/2025 14:39	WG2512083

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		12200	1	05/13/2025 01:25	WG2512303

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	2260000		122000	5	05/13/2025 00:03	WG2512301

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	27700		25700	1.05	05/10/2025 22:29	WG2512146

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	22700000		500000	5	05/12/2025 17:53	WG2512160

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	4920000		24400	1	05/10/2025 23:20	WG2512121
Antimony	ND		2440	1	05/10/2025 23:20	WG2512121
Beryllium	534		244	1	05/10/2025 23:20	WG2512121
Calcium	16600000		122000	1	05/10/2025 23:20	WG2512121
Cobalt	4150		1220	1	05/10/2025 23:20	WG2512121
Iron	7490000		12200	1	05/10/2025 23:20	WG2512121
Magnesium	3020000		122000	1	05/10/2025 23:20	WG2512121
Manganese	236000		1220	1	05/10/2025 23:20	WG2512121
Potassium	1720000		122000	1	05/10/2025 23:20	WG2512121
Sodium	218000		122000	1	05/10/2025 23:20	WG2512121
Thallium	ND		2440	1	05/10/2025 23:20	WG2512121
Vanadium	16100		2440	1	05/10/2025 23:20	WG2512121

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		72.2	1	05/10/2025 20:58	WG2512156
Acrylonitrile	ND	C3	18.1	1	05/10/2025 20:58	WG2512156
Bromobenzene	ND		18.1	1	05/10/2025 20:58	WG2512156
Bromodichloromethane	ND		3.61	1	05/10/2025 20:58	WG2512156
Bromoform	ND		36.1	1	05/10/2025 20:58	WG2512156
Bromomethane	ND		18.1	1	05/10/2025 20:58	WG2512156

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		18.1	1	05/10/2025 20:58	WG2512156
sec-Butylbenzene	ND		18.1	1	05/10/2025 20:58	WG2512156
tert-Butylbenzene	ND		7.22	1	05/10/2025 20:58	WG2512156
Carbon tetrachloride	ND		7.22	1	05/10/2025 20:58	WG2512156
Chlorobenzene	ND		3.61	1	05/10/2025 20:58	WG2512156
Chlorodibromomethane	ND		3.61	1	05/10/2025 20:58	WG2512156
Chloroethane	ND		7.22	1	05/10/2025 20:58	WG2512156
Chloroform	ND		3.61	1	05/10/2025 20:58	WG2512156
Chloromethane	ND	C3	18.1	1	05/10/2025 20:58	WG2512156
2-Chlorotoluene	ND		3.61	1	05/10/2025 20:58	WG2512156
4-Chlorotoluene	ND		7.22	1	05/10/2025 20:58	WG2512156
1,2-Dibromo-3-Chloropropane	ND	C3	36.1	1	05/10/2025 20:58	WG2512156
1,2-Dibromoethane	ND		3.61	1	05/10/2025 20:58	WG2512156
Dibromomethane	ND		7.22	1	05/10/2025 20:58	WG2512156
1,2-Dichlorobenzene	ND		7.22	1	05/10/2025 20:58	WG2512156
1,3-Dichlorobenzene	ND		7.22	1	05/10/2025 20:58	WG2512156
1,4-Dichlorobenzene	ND		7.22	1	05/10/2025 20:58	WG2512156
Dichlorodifluoromethane	ND		7.22	1	05/10/2025 20:58	WG2512156
1,1-Dichloroethane	ND		3.61	1	05/10/2025 20:58	WG2512156
1,2-Dichloroethane	ND		3.61	1	05/10/2025 20:58	WG2512156
1,1-Dichloroethene	ND		3.61	1	05/10/2025 20:58	WG2512156
cis-1,2-Dichloroethene	ND		3.61	1	05/10/2025 20:58	WG2512156
trans-1,2-Dichloroethene	ND		7.22	1	05/10/2025 20:58	WG2512156
1,2-Dichloropropane	ND		7.22	1	05/10/2025 20:58	WG2512156
1,1-Dichloropropene	ND		3.61	1	05/10/2025 20:58	WG2512156
1,3-Dichloropropane	ND		7.22	1	05/10/2025 20:58	WG2512156
cis-1,3-Dichloropropene	ND		3.61	1	05/10/2025 20:58	WG2512156
trans-1,3-Dichloropropene	ND		7.22	1	05/10/2025 20:58	WG2512156
2,2-Dichloropropane	ND		3.61	1	05/10/2025 20:58	WG2512156
Di-isopropyl ether	ND		1.44	1	05/10/2025 20:58	WG2512156
Hexachloro-1,3-butadiene	ND		36.1	1	05/10/2025 20:58	WG2512156
Isopropylbenzene	ND		3.61	1	05/10/2025 20:58	WG2512156
p-Isopropyltoluene	ND		7.22	1	05/10/2025 20:58	WG2512156
2-Butanone (MEK)	ND		144	1	05/10/2025 20:58	WG2512156
Methylene Chloride	ND		36.1	1	05/10/2025 20:58	WG2512156
4-Methyl-2-pentanone (MIBK)	ND	C3	36.1	1	05/10/2025 20:58	WG2512156
Methyl tert-butyl ether	ND		1.44	1	05/10/2025 20:58	WG2512156
n-Propylbenzene	ND		7.22	1	05/10/2025 20:58	WG2512156
Styrene	ND		18.1	1	05/10/2025 20:58	WG2512156
1,1,1,2-Tetrachloroethane	ND		3.61	1	05/10/2025 20:58	WG2512156
1,1,2,2-Tetrachloroethane	ND		3.61	1	05/10/2025 20:58	WG2512156
1,1,2-Trichlorotrifluoroethane	ND		3.61	1	05/10/2025 20:58	WG2512156
Tetrachloroethene	ND		3.61	1	05/10/2025 20:58	WG2512156
1,2,3-Trichlorobenzene	ND		18.1	1	05/10/2025 20:58	WG2512156
1,2,4-Trichlorobenzene	ND		18.1	1	05/10/2025 20:58	WG2512156
1,1,1-Trichloroethane	ND		3.61	1	05/10/2025 20:58	WG2512156
1,1,2-Trichloroethane	ND		3.61	1	05/10/2025 20:58	WG2512156
Trichloroethene	ND		1.44	1	05/10/2025 20:58	WG2512156
Trichlorofluoromethane	ND		3.61	1	05/10/2025 20:58	WG2512156
1,2,3-Trichloropropane	ND		18.1	1	05/10/2025 20:58	WG2512156
1,2,3-Trimethylbenzene	ND		7.22	1	05/10/2025 20:58	WG2512156
Vinyl chloride	ND		3.61	1	05/10/2025 20:58	WG2512156
(S) Toluene-d8	*102*		*75.0-131*		*05/10/2025 20:58*	WG2512156
(S) 4-Bromofluorobenzene	*92.1*		*67.0-138*		*05/10/2025 20:58*	WG2512156
(S) 1,2-Dichloroethane-d4	*108*		*70.0-130*		*05/10/2025 20:58*	WG2512156

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		81.4	2	05/11/2025 19:24	WG2512038
Benzidine	ND		4080	2	05/11/2025 19:24	WG2512038
Benzo(g,h,i)perylene	ND		81.4	2	05/11/2025 19:24	WG2512038
Bis(2-chlorethoxy)methane	ND	C4	814	2	05/11/2025 19:24	WG2512038
Bis(2-chloroethyl)ether	ND	C3	814	2	05/11/2025 19:24	WG2512038
2,2-Oxybis(1-Chloropropane)	ND		814	2	05/11/2025 19:24	WG2512038
4-Bromophenyl-phenylether	ND		814	2	05/11/2025 19:24	WG2512038
2-Chloronaphthalene	ND		81.4	2	05/11/2025 19:24	WG2512038
4-Chlorophenyl-phenylether	ND		814	2	05/11/2025 19:24	WG2512038
1,2-Dichlorobenzene	ND		814	2	05/11/2025 19:24	WG2512038
1,3-Dichlorobenzene	ND		814	2	05/11/2025 19:24	WG2512038
1,4-Dichlorobenzene	ND		814	2	05/11/2025 19:24	WG2512038
3,3-Dichlorobenzidine	ND		814	2	05/11/2025 19:24	WG2512038
2,4-Dinitrotoluene	ND		814	2	05/11/2025 19:24	WG2512038
2,6-Dinitrotoluene	ND		814	2	05/11/2025 19:24	WG2512038
Hexachlorobenzene	ND		814	2	05/11/2025 19:24	WG2512038
Hexachloro-1,3-butadiene	ND		814	2	05/11/2025 19:24	WG2512038
Hexachlorocyclopentadiene	ND	C7	814	2	05/11/2025 19:24	WG2512038
Hexachloroethane	ND		814	2	05/11/2025 19:24	WG2512038
Isophorone	ND		814	2	05/11/2025 19:24	WG2512038
Nitrobenzene	ND		814	2	05/11/2025 19:24	WG2512038
n-Nitrosodimethylamine	ND		814	2	05/11/2025 19:24	WG2512038
n-Nitrosodiphenylamine	ND		814	2	05/11/2025 19:24	WG2512038
n-Nitrosodi-n-propylamine	ND	C3	814	2	05/11/2025 19:24	WG2512038
Phenanthrene	ND		81.4	2	05/11/2025 19:24	WG2512038
Benzylbutyl phthalate	ND		814	2	05/11/2025 19:24	WG2512038
Bis(2-ethylhexyl)phthalate	ND		814	2	05/11/2025 19:24	WG2512038
Di-n-butyl phthalate	ND		814	2	05/11/2025 19:24	WG2512038
Diethyl phthalate	ND		814	2	05/11/2025 19:24	WG2512038
Dimethyl phthalate	ND		814	2	05/11/2025 19:24	WG2512038
Di-n-octyl phthalate	ND		814	2	05/11/2025 19:24	WG2512038
1,2,4-Trichlorobenzene	ND		814	2	05/11/2025 19:24	WG2512038
4-Chloro-3-methylphenol	ND		814	2	05/11/2025 19:24	WG2512038
2-Chlorophenol	ND		814	2	05/11/2025 19:24	WG2512038
2,4-Dichlorophenol	ND		814	2	05/11/2025 19:24	WG2512038
2,4-Dimethylphenol	ND	C3	814	2	05/11/2025 19:24	WG2512038
4,6-Dinitro-2-methylphenol	ND	J4	814	2	05/11/2025 19:24	WG2512038
2,4-Dinitrophenol	ND		814	2	05/11/2025 19:24	WG2512038
2-Nitrophenol	ND		814	2	05/11/2025 19:24	WG2512038
4-Nitrophenol	ND		814	2	05/11/2025 19:24	WG2512038
Pentachlorophenol	ND		814	2	05/11/2025 19:24	WG2512038
Phenol	ND	C3	814	2	05/11/2025 19:24	WG2512038
2,4,6-Trichlorophenol	ND		814	2	05/11/2025 19:24	WG2512038
(S) 2-Fluorophenol	*64.9*		*12.0-120*		*05/11/2025 19:24*	WG2512038
(S) Phenol-d5	*60.2*		*10.0-120*		*05/11/2025 19:24*	WG2512038
(S) Nitrobenzene-d5	*71.8*		*10.0-122*		*05/11/2025 19:24*	WG2512038
(S) 2-Fluorobiphenyl	*71.8*		*15.0-120*		*05/11/2025 19:24*	WG2512038
(S) 2,4,6-Tribromophenol	*91.8*		*10.0-127*		*05/11/2025 19:24*	WG2512038
(S) p-Terphenyl-d14	*78.9*		*10.0-120*		*05/11/2025 19:24*	WG2512038

Sample Narrative:

L1857512-05 WG2512038: 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	1690000		24800	1	05/13/2025 00:03	WG2512146

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.5		1	05/10/2025 14:39	WG2512083

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	05/13/2025 01:32	WG2512303

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	1660000		118000	5	05/13/2025 00:03	WG2512301

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	34400		24800	1.05	05/10/2025 22:45	WG2512146

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	37000000		500000	5	05/12/2025 17:54	WG2512160

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	3060000		23700	1	05/10/2025 23:22	WG2512121
Antimony	ND		2370	1	05/10/2025 23:22	WG2512121
Beryllium	369		237	1	05/10/2025 23:22	WG2512121
Calcium	7280000		118000	1	05/10/2025 23:22	WG2512121
Cobalt	3330		1180	1	05/10/2025 23:22	WG2512121
Iron	4920000		11800	1	05/10/2025 23:22	WG2512121
Magnesium	1960000		118000	1	05/10/2025 23:22	WG2512121
Manganese	255000		1180	1	05/10/2025 23:22	WG2512121
Potassium	1530000		118000	1	05/10/2025 23:22	WG2512121
Sodium	176000		118000	1	05/10/2025 23:22	WG2512121
Thallium	ND		2370	1	05/10/2025 23:22	WG2512121
Vanadium	10100		2370	1	05/10/2025 23:22	WG2512121

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		68.3	1	05/10/2025 21:19	WG2512156
Acrylonitrile	ND	C3	17.1	1	05/10/2025 21:19	WG2512156
Bromobenzene	ND		17.1	1	05/10/2025 21:19	WG2512156
Bromodichloromethane	ND		3.42	1	05/10/2025 21:19	WG2512156
Bromoform	ND		34.2	1	05/10/2025 21:19	WG2512156
Bromomethane	ND		17.1	1	05/10/2025 21:19	WG2512156

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		17.1	1	05/10/2025 21:19	WG2512156
sec-Butylbenzene	ND		17.1	1	05/10/2025 21:19	WG2512156
tert-Butylbenzene	ND		6.83	1	05/10/2025 21:19	WG2512156
Carbon tetrachloride	ND		6.83	1	05/10/2025 21:19	WG2512156
Chlorobenzene	ND		3.42	1	05/10/2025 21:19	WG2512156
Chlorodibromomethane	ND		3.42	1	05/10/2025 21:19	WG2512156
Chloroethane	ND		6.83	1	05/10/2025 21:19	WG2512156
Chloroform	ND		3.42	1	05/10/2025 21:19	WG2512156
Chloromethane	ND	C3	17.1	1	05/10/2025 21:19	WG2512156
2-Chlorotoluene	ND		3.42	1	05/10/2025 21:19	WG2512156
4-Chlorotoluene	ND		6.83	1	05/10/2025 21:19	WG2512156
1,2-Dibromo-3-Chloropropane	ND	C3	34.2	1	05/10/2025 21:19	WG2512156
1,2-Dibromoethane	ND		3.42	1	05/10/2025 21:19	WG2512156
Dibromomethane	ND		6.83	1	05/10/2025 21:19	WG2512156
1,2-Dichlorobenzene	ND		6.83	1	05/10/2025 21:19	WG2512156
1,3-Dichlorobenzene	ND		6.83	1	05/10/2025 21:19	WG2512156
1,4-Dichlorobenzene	ND		6.83	1	05/10/2025 21:19	WG2512156
Dichlorodifluoromethane	ND		6.83	1	05/10/2025 21:19	WG2512156
1,1-Dichloroethane	ND		3.42	1	05/10/2025 21:19	WG2512156
1,2-Dichloroethane	ND		3.42	1	05/10/2025 21:19	WG2512156
1,1-Dichloroethene	ND		3.42	1	05/10/2025 21:19	WG2512156
cis-1,2-Dichloroethene	ND		3.42	1	05/10/2025 21:19	WG2512156
trans-1,2-Dichloroethene	ND		6.83	1	05/10/2025 21:19	WG2512156
1,2-Dichloropropane	ND		6.83	1	05/10/2025 21:19	WG2512156
1,1-Dichloropropene	ND		3.42	1	05/10/2025 21:19	WG2512156
1,3-Dichloropropane	ND		6.83	1	05/10/2025 21:19	WG2512156
cis-1,3-Dichloropropene	ND		3.42	1	05/10/2025 21:19	WG2512156
trans-1,3-Dichloropropene	ND		6.83	1	05/10/2025 21:19	WG2512156
2,2-Dichloropropane	ND		3.42	1	05/10/2025 21:19	WG2512156
Di-isopropyl ether	ND		1.37	1	05/10/2025 21:19	WG2512156
Hexachloro-1,3-butadiene	ND		34.2	1	05/10/2025 21:19	WG2512156
Isopropylbenzene	ND		3.42	1	05/10/2025 21:19	WG2512156
p-Isopropyltoluene	ND		6.83	1	05/10/2025 21:19	WG2512156
2-Butanone (MEK)	ND		137	1	05/10/2025 21:19	WG2512156
Methylene Chloride	ND		34.2	1	05/10/2025 21:19	WG2512156
4-Methyl-2-pentanone (MIBK)	ND	C3	34.2	1	05/10/2025 21:19	WG2512156
Methyl tert-butyl ether	ND		1.37	1	05/10/2025 21:19	WG2512156
n-Propylbenzene	ND		6.83	1	05/10/2025 21:19	WG2512156
Styrene	ND		17.1	1	05/10/2025 21:19	WG2512156
1,1,1,2-Tetrachloroethane	ND		3.42	1	05/10/2025 21:19	WG2512156
1,1,2,2-Tetrachloroethane	ND		3.42	1	05/10/2025 21:19	WG2512156
1,1,2-Trichlorotrifluoroethane	ND		3.42	1	05/10/2025 21:19	WG2512156
Tetrachloroethene	ND		3.42	1	05/10/2025 21:19	WG2512156
1,2,3-Trichlorobenzene	ND		17.1	1	05/10/2025 21:19	WG2512156
1,2,4-Trichlorobenzene	ND		17.1	1	05/10/2025 21:19	WG2512156
1,1,1-Trichloroethane	ND		3.42	1	05/10/2025 21:19	WG2512156
1,1,2-Trichloroethane	ND		3.42	1	05/10/2025 21:19	WG2512156
Trichloroethene	ND		1.37	1	05/10/2025 21:19	WG2512156
Trichlorofluoromethane	ND		3.42	1	05/10/2025 21:19	WG2512156
1,2,3-Trichloropropane	ND		17.1	1	05/10/2025 21:19	WG2512156
1,2,3-Trimethylbenzene	ND		6.83	1	05/10/2025 21:19	WG2512156
Vinyl chloride	ND		3.42	1	05/10/2025 21:19	WG2512156
(S) Toluene-d8	*98.6*		*75.0-131*		*05/10/2025 21:19*	WG2512156
(S) 4-Bromofluorobenzene	*93.0*		*67.0-138*		*05/10/2025 21:19*	WG2512156
(S) 1,2-Dichloroethane-d4	*108*		*70.0-130*		*05/10/2025 21:19*	WG2512156

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		78.8	2	05/11/2025 17:40	WG2512038
Benzidine	ND		3950	2	05/11/2025 17:40	WG2512038
Benzo(g,h,i)perylene	ND		78.8	2	05/11/2025 17:40	WG2512038
Bis(2-chlorethoxy)methane	ND	C4	788	2	05/11/2025 17:40	WG2512038
Bis(2-chloroethyl)ether	ND	C3	788	2	05/11/2025 17:40	WG2512038
2,2-Oxybis(1-Chloropropane)	ND		788	2	05/11/2025 17:40	WG2512038
4-Bromophenyl-phenylether	ND		788	2	05/11/2025 17:40	WG2512038
2-Chloronaphthalene	ND		78.8	2	05/11/2025 17:40	WG2512038
4-Chlorophenyl-phenylether	ND		788	2	05/11/2025 17:40	WG2512038
1,2-Dichlorobenzene	ND		788	2	05/11/2025 17:40	WG2512038
1,3-Dichlorobenzene	ND		788	2	05/11/2025 17:40	WG2512038
1,4-Dichlorobenzene	ND		788	2	05/11/2025 17:40	WG2512038
3,3-Dichlorobenzidine	ND		788	2	05/11/2025 17:40	WG2512038
2,4-Dinitrotoluene	ND		788	2	05/11/2025 17:40	WG2512038
2,6-Dinitrotoluene	ND		788	2	05/11/2025 17:40	WG2512038
Hexachlorobenzene	ND		788	2	05/11/2025 17:40	WG2512038
Hexachloro-1,3-butadiene	ND		788	2	05/11/2025 17:40	WG2512038
Hexachlorocyclopentadiene	ND	C7	788	2	05/11/2025 17:40	WG2512038
Hexachloroethane	ND		788	2	05/11/2025 17:40	WG2512038
Isophorone	ND		788	2	05/11/2025 17:40	WG2512038
Nitrobenzene	ND		788	2	05/11/2025 17:40	WG2512038
n-Nitrosodimethylamine	ND		788	2	05/11/2025 17:40	WG2512038
n-Nitrosodiphenylamine	ND		788	2	05/11/2025 17:40	WG2512038
n-Nitrosodi-n-propylamine	ND	C3	788	2	05/11/2025 17:40	WG2512038
Phenanthrene	ND		78.8	2	05/11/2025 17:40	WG2512038
Benzylbutyl phthalate	ND		788	2	05/11/2025 17:40	WG2512038
Bis(2-ethylhexyl)phthalate	ND		788	2	05/11/2025 17:40	WG2512038
Di-n-butyl phthalate	ND		788	2	05/11/2025 17:40	WG2512038
Diethyl phthalate	ND		788	2	05/11/2025 17:40	WG2512038
Dimethyl phthalate	ND		788	2	05/11/2025 17:40	WG2512038
Di-n-octyl phthalate	ND		788	2	05/11/2025 17:40	WG2512038
1,2,4-Trichlorobenzene	ND		788	2	05/11/2025 17:40	WG2512038
4-Chloro-3-methylphenol	ND		788	2	05/11/2025 17:40	WG2512038
2-Chlorophenol	ND		788	2	05/11/2025 17:40	WG2512038
2,4-Dichlorophenol	ND		788	2	05/11/2025 17:40	WG2512038
2,4-Dimethylphenol	ND	C3	788	2	05/11/2025 17:40	WG2512038
4,6-Dinitro-2-methylphenol	ND	J4	788	2	05/11/2025 17:40	WG2512038
2,4-Dinitrophenol	ND		788	2	05/11/2025 17:40	WG2512038
2-Nitrophenol	ND		788	2	05/11/2025 17:40	WG2512038
4-Nitrophenol	ND		788	2	05/11/2025 17:40	WG2512038
Pentachlorophenol	ND		788	2	05/11/2025 17:40	WG2512038
Phenol	ND	C3	788	2	05/11/2025 17:40	WG2512038
2,4,6-Trichlorophenol	ND		788	2	05/11/2025 17:40	WG2512038
(S) 2-Fluorophenol	*68.9*		*12.0-120*		*05/11/2025 17:40*	WG2512038
(S) Phenol-d5	*62.7*		*10.0-120*		*05/11/2025 17:40*	WG2512038
(S) Nitrobenzene-d5	*64.6*		*10.0-122*		*05/11/2025 17:40*	WG2512038
(S) 2-Fluorobiphenyl	*73.5*		*15.0-120*		*05/11/2025 17:40*	WG2512038
(S) 2,4,6-Tribromophenol	*86.6*		*10.0-127*		*05/11/2025 17:40*	WG2512038
(S) p-Terphenyl-d14	*79.1*		*10.0-120*		*05/11/2025 17:40*	WG2512038

Sample Narrative:

L1857512-06 WG2512038: 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	05/10/2025 16:15	WG2512002
Acrolein	ND	C3	50.0	1	05/10/2025 16:15	WG2512002
Acrylonitrile	ND		10.0	1	05/10/2025 16:15	WG2512002
Benzene	ND		1.00	1	05/10/2025 16:15	WG2512002
Bromobenzene	ND		1.00	1	05/10/2025 16:15	WG2512002
Bromodichloromethane	ND		1.00	1	05/10/2025 16:15	WG2512002
Bromoform	ND		1.00	1	05/10/2025 16:15	WG2512002
Bromomethane	ND		5.00	1	05/10/2025 16:15	WG2512002
n-Butylbenzene	ND		1.00	1	05/10/2025 16:15	WG2512002
sec-Butylbenzene	ND		1.00	1	05/10/2025 16:15	WG2512002
tert-Butylbenzene	ND		1.00	1	05/10/2025 16:15	WG2512002
Carbon tetrachloride	ND		1.00	1	05/10/2025 16:15	WG2512002
Chlorobenzene	ND		1.00	1	05/10/2025 16:15	WG2512002
Chlorodibromomethane	ND		1.00	1	05/10/2025 16:15	WG2512002
Chloroethane	ND		5.00	1	05/10/2025 16:15	WG2512002
Chloroform	ND		5.00	1	05/10/2025 16:15	WG2512002
Chloromethane	ND		2.50	1	05/10/2025 16:15	WG2512002
2-Chlorotoluene	ND		1.00	1	05/10/2025 16:15	WG2512002
4-Chlorotoluene	ND		1.00	1	05/10/2025 16:15	WG2512002
1,2-Dibromo-3-Chloropropane	ND		5.00	1	05/10/2025 16:15	WG2512002
1,2-Dibromoethane	ND		1.00	1	05/10/2025 16:15	WG2512002
Dibromomethane	ND		1.00	1	05/10/2025 16:15	WG2512002
1,2-Dichlorobenzene	ND		1.00	1	05/10/2025 16:15	WG2512002
1,3-Dichlorobenzene	ND		1.00	1	05/10/2025 16:15	WG2512002
1,4-Dichlorobenzene	ND		1.00	1	05/10/2025 16:15	WG2512002
Dichlorodifluoromethane	ND		5.00	1	05/10/2025 16:15	WG2512002
1,1-Dichloroethane	ND		1.00	1	05/10/2025 16:15	WG2512002
1,2-Dichloroethane	ND		1.00	1	05/10/2025 16:15	WG2512002
1,1-Dichloroethene	ND		1.00	1	05/10/2025 16:15	WG2512002
cis-1,2-Dichloroethene	ND		1.00	1	05/10/2025 16:15	WG2512002
trans-1,2-Dichloroethene	ND		1.00	1	05/10/2025 16:15	WG2512002
1,2-Dichloropropane	ND		1.00	1	05/10/2025 16:15	WG2512002
1,1-Dichloropropene	ND		1.00	1	05/10/2025 16:15	WG2512002
1,3-Dichloropropane	ND		1.00	1	05/10/2025 16:15	WG2512002
cis-1,3-Dichloropropene	ND		1.00	1	05/10/2025 16:15	WG2512002
trans-1,3-Dichloropropene	ND		1.00	1	05/10/2025 16:15	WG2512002
2,2-Dichloropropane	ND		1.00	1	05/10/2025 16:15	WG2512002
Di-isopropyl ether	ND		1.00	1	05/10/2025 16:15	WG2512002
Ethylbenzene	ND		1.00	1	05/10/2025 16:15	WG2512002
Hexachloro-1,3-butadiene	ND		1.00	1	05/10/2025 16:15	WG2512002
Isopropylbenzene	ND		1.00	1	05/10/2025 16:15	WG2512002
p-Isopropyltoluene	ND		1.00	1	05/10/2025 16:15	WG2512002
2-Butanone (MEK)	ND		10.0	1	05/10/2025 16:15	WG2512002
Methylene Chloride	ND		5.00	1	05/10/2025 16:15	WG2512002
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	05/10/2025 16:15	WG2512002
Methyl tert-butyl ether	ND		1.00	1	05/10/2025 16:15	WG2512002
Naphthalene	ND	C3	5.00	1	05/10/2025 16:15	WG2512002
n-Propylbenzene	ND		1.00	1	05/10/2025 16:15	WG2512002
Styrene	ND		1.00	1	05/10/2025 16:15	WG2512002
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/10/2025 16:15	WG2512002
1,1,2,2-Tetrachloroethane	ND		1.00	1	05/10/2025 16:15	WG2512002
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	05/10/2025 16:15	WG2512002
Tetrachloroethene	ND		1.00	1	05/10/2025 16:15	WG2512002
Toluene	ND		1.00	1	05/10/2025 16:15	WG2512002
1,2,3-Trichlorobenzene	ND	C3	1.00	1	05/10/2025 16:15	WG2512002
1,2,4-Trichlorobenzene	ND		1.00	1	05/10/2025 16:15	WG2512002

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	05/10/2025 16:15	WG2512002
1,1,2-Trichloroethane	ND		1.00	1	05/10/2025 16:15	WG2512002
Trichloroethene	ND		1.00	1	05/10/2025 16:15	WG2512002
Trichlorofluoromethane	ND		5.00	1	05/10/2025 16:15	WG2512002
1,2,3-Trichloropropane	ND		2.50	1	05/10/2025 16:15	WG2512002
1,2,4-Trimethylbenzene	ND		1.00	1	05/10/2025 16:15	WG2512002
1,2,3-Trimethylbenzene	ND		1.00	1	05/10/2025 16:15	WG2512002
1,3,5-Trimethylbenzene	ND		1.00	1	05/10/2025 16:15	WG2512002
Vinyl chloride	ND		1.00	1	05/10/2025 16:15	WG2512002
Xylenes, Total	ND		3.00	1	05/10/2025 16:15	WG2512002
(S) Toluene-d8	*105*		*80.0-120*		*05/10/2025 16:15*	WG2512002
(S) 4-Bromofluorobenzene	*96.9*		*77.0-126*		*05/10/2025 16:15*	WG2512002
(S) 1,2-Dichloroethane-d4	*116*		*70.0-130*		*05/10/2025 16:15*	WG2512002

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	2870000		119000	1	05/13/2025 00:05	WG2512146

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.9		1	05/10/2025 14:39	WG2512083

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	05/13/2025 01:34	WG2512303

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	2780000	J3 V	119000	5	05/13/2025 00:05	WG2512301

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND	J6	250000	10.5	05/10/2025 23:02	WG2512146

Sample Narrative:

L1857512-08 WG2512146: 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	31600000		500000	5	05/12/2025 17:54	WG2512160

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	4340000	J6	23800	1	05/10/2025 22:47	WG2512121
Antimony	ND		2380	1	05/10/2025 22:47	WG2512121
Beryllium	528		238	1	05/10/2025 22:47	WG2512121
Calcium	31000000	O1 V	119000	1	05/10/2025 22:47	WG2512121
Cobalt	4300		1190	1	05/10/2025 22:47	WG2512121
Iron	8970000	V	11900	1	05/10/2025 22:47	WG2512121
Magnesium	4010000	J6	119000	1	05/10/2025 22:47	WG2512121
Manganese	314000	J6	1190	1	05/10/2025 22:47	WG2512121
Potassium	1590000		119000	1	05/10/2025 22:47	WG2512121
Sodium	321000		119000	1	05/10/2025 22:47	WG2512121
Thallium	ND		2380	1	05/10/2025 22:47	WG2512121
Vanadium	13600		2380	1	05/10/2025 22:47	WG2512121

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		69.2	1	05/10/2025 21:39	WG2512156
Acrylonitrile	ND	C3	17.3	1	05/10/2025 21:39	WG2512156
Bromobenzene	ND		17.3	1	05/10/2025 21:39	WG2512156

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		3.46	1	05/10/2025 21:39	WG2512156
Bromoform	ND		34.6	1	05/10/2025 21:39	WG2512156
Bromomethane	ND		17.3	1	05/10/2025 21:39	WG2512156
n-Butylbenzene	ND		17.3	1	05/10/2025 21:39	WG2512156
sec-Butylbenzene	ND		17.3	1	05/10/2025 21:39	WG2512156
tert-Butylbenzene	ND		6.92	1	05/10/2025 21:39	WG2512156
Carbon tetrachloride	ND		6.92	1	05/10/2025 21:39	WG2512156
Chlorobenzene	ND		3.46	1	05/10/2025 21:39	WG2512156
Chlorodibromomethane	ND		3.46	1	05/10/2025 21:39	WG2512156
Chloroethane	ND		6.92	1	05/10/2025 21:39	WG2512156
Chloroform	ND		3.46	1	05/10/2025 21:39	WG2512156
Chloromethane	ND	C3	17.3	1	05/10/2025 21:39	WG2512156
2-Chlorotoluene	ND		3.46	1	05/10/2025 21:39	WG2512156
4-Chlorotoluene	ND		6.92	1	05/10/2025 21:39	WG2512156
1,2-Dibromo-3-Chloropropane	ND	C3	34.6	1	05/10/2025 21:39	WG2512156
1,2-Dibromoethane	ND		3.46	1	05/10/2025 21:39	WG2512156
Dibromomethane	ND		6.92	1	05/10/2025 21:39	WG2512156
1,2-Dichlorobenzene	ND		6.92	1	05/10/2025 21:39	WG2512156
1,3-Dichlorobenzene	ND		6.92	1	05/10/2025 21:39	WG2512156
1,4-Dichlorobenzene	ND		6.92	1	05/10/2025 21:39	WG2512156
Dichlorodifluoromethane	ND		6.92	1	05/10/2025 21:39	WG2512156
1,1-Dichloroethane	ND		3.46	1	05/10/2025 21:39	WG2512156
1,2-Dichloroethane	ND		3.46	1	05/10/2025 21:39	WG2512156
1,1-Dichloroethene	ND		3.46	1	05/10/2025 21:39	WG2512156
cis-1,2-Dichloroethene	ND		3.46	1	05/10/2025 21:39	WG2512156
trans-1,2-Dichloroethene	ND		6.92	1	05/10/2025 21:39	WG2512156
1,2-Dichloropropane	ND		6.92	1	05/10/2025 21:39	WG2512156
1,1-Dichloropropene	ND		3.46	1	05/10/2025 21:39	WG2512156
1,3-Dichloropropane	ND		6.92	1	05/10/2025 21:39	WG2512156
cis-1,3-Dichloropropene	ND		3.46	1	05/10/2025 21:39	WG2512156
trans-1,3-Dichloropropene	ND		6.92	1	05/10/2025 21:39	WG2512156
2,2-Dichloropropane	ND		3.46	1	05/10/2025 21:39	WG2512156
Di-isopropyl ether	ND		1.38	1	05/10/2025 21:39	WG2512156
Hexachloro-1,3-butadiene	ND		34.6	1	05/10/2025 21:39	WG2512156
Isopropylbenzene	ND		3.46	1	05/10/2025 21:39	WG2512156
p-Isopropyltoluene	ND		6.92	1	05/10/2025 21:39	WG2512156
2-Butanone (MEK)	ND		138	1	05/10/2025 21:39	WG2512156
Methylene Chloride	ND		34.6	1	05/10/2025 21:39	WG2512156
4-Methyl-2-pentanone (MIBK)	ND	C3	34.6	1	05/10/2025 21:39	WG2512156
Methyl tert-butyl ether	ND		1.38	1	05/10/2025 21:39	WG2512156
n-Propylbenzene	ND		6.92	1	05/10/2025 21:39	WG2512156
Styrene	ND		17.3	1	05/10/2025 21:39	WG2512156
1,1,1,2-Tetrachloroethane	ND		3.46	1	05/10/2025 21:39	WG2512156
1,1,2,2-Tetrachloroethane	ND		3.46	1	05/10/2025 21:39	WG2512156
1,1,2-Trichlorotrifluoroethane	ND		3.46	1	05/10/2025 21:39	WG2512156
Tetrachloroethene	ND		3.46	1	05/10/2025 21:39	WG2512156
1,2,3-Trichlorobenzene	ND		17.3	1	05/10/2025 21:39	WG2512156
1,2,4-Trichlorobenzene	ND		17.3	1	05/10/2025 21:39	WG2512156
1,1,1-Trichloroethane	ND		3.46	1	05/10/2025 21:39	WG2512156
1,1,2-Trichloroethane	ND		3.46	1	05/10/2025 21:39	WG2512156
Trichloroethene	ND		1.38	1	05/10/2025 21:39	WG2512156
Trichlorofluoromethane	ND		3.46	1	05/10/2025 21:39	WG2512156
1,2,3-Trichloropropane	ND		17.3	1	05/10/2025 21:39	WG2512156
1,2,3-Trimethylbenzene	ND		6.92	1	05/10/2025 21:39	WG2512156
Vinyl chloride	ND		3.46	1	05/10/2025 21:39	WG2512156
(S) Toluene-d8	*97.6*		*75.0-131*		*05/10/2025 21:39*	WG2512156

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	*97.8*		*67.0-138*		*05/10/2025 21:39*	WG2512156
(S) 1,2-Dichloroethane-d4	*107*		*70.0-130*		*05/10/2025 21:39*	WG2512156

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		79.4	2	05/11/2025 14:31	WG2512038
Benzidine	ND		3980	2	05/11/2025 14:31	WG2512038
Benzo(g,h,i)perylene	ND		79.4	2	05/11/2025 14:31	WG2512038
Bis(2-chlorethoxy)methane	ND	C4	794	2	05/11/2025 14:31	WG2512038
Bis(2-chloroethyl)ether	ND	C3	794	2	05/11/2025 14:31	WG2512038
2,2-Oxybis(1-Chloropropane)	ND		794	2	05/11/2025 14:31	WG2512038
4-Bromophenyl-phenylether	ND		794	2	05/11/2025 14:31	WG2512038
2-Chloronaphthalene	ND		79.4	2	05/11/2025 14:31	WG2512038
4-Chlorophenyl-phenylether	ND		794	2	05/11/2025 14:31	WG2512038
1,2-Dichlorobenzene	ND		794	2	05/11/2025 14:31	WG2512038
1,3-Dichlorobenzene	ND		794	2	05/11/2025 14:31	WG2512038
1,4-Dichlorobenzene	ND		794	2	05/11/2025 14:31	WG2512038
3,3-Dichlorobenzidine	ND		794	2	05/11/2025 14:31	WG2512038
2,4-Dinitrotoluene	ND		794	2	05/11/2025 14:31	WG2512038
2,6-Dinitrotoluene	ND		794	2	05/11/2025 14:31	WG2512038
Hexachlorobenzene	ND		794	2	05/11/2025 14:31	WG2512038
Hexachloro-1,3-butadiene	ND		794	2	05/11/2025 14:31	WG2512038
Hexachlorocyclopentadiene	ND	C7 J3 J6	794	2	05/11/2025 14:31	WG2512038
Hexachloroethane	ND		794	2	05/11/2025 14:31	WG2512038
Isophorone	ND		794	2	05/11/2025 14:31	WG2512038
Nitrobenzene	ND		794	2	05/11/2025 14:31	WG2512038
n-Nitrosodimethylamine	ND		794	2	05/11/2025 14:31	WG2512038
n-Nitrosodiphenylamine	ND		794	2	05/11/2025 14:31	WG2512038
n-Nitrosodi-n-propylamine	ND	C3	794	2	05/11/2025 14:31	WG2512038
Phenanthrene	ND		79.4	2	05/11/2025 14:31	WG2512038
Benzylbutyl phthalate	ND		794	2	05/11/2025 14:31	WG2512038
Bis(2-ethylhexyl)phthalate	ND		794	2	05/11/2025 14:31	WG2512038
Di-n-butyl phthalate	ND		794	2	05/11/2025 14:31	WG2512038
Diethyl phthalate	ND		794	2	05/11/2025 14:31	WG2512038
Dimethyl phthalate	ND		794	2	05/11/2025 14:31	WG2512038
Di-n-octyl phthalate	ND		794	2	05/11/2025 14:31	WG2512038
1,2,4-Trichlorobenzene	ND		794	2	05/11/2025 14:31	WG2512038
4-Chloro-3-methylphenol	ND		794	2	05/11/2025 14:31	WG2512038
2-Chlorophenol	ND		794	2	05/11/2025 14:31	WG2512038
2,4-Dichlorophenol	ND		794	2	05/11/2025 14:31	WG2512038
2,4-Dimethylphenol	ND	C3	794	2	05/11/2025 14:31	WG2512038
4,6-Dinitro-2-methylphenol	ND	J4	794	2	05/11/2025 14:31	WG2512038
2,4-Dinitrophenol	ND		794	2	05/11/2025 14:31	WG2512038
2-Nitrophenol	ND		794	2	05/11/2025 14:31	WG2512038
4-Nitrophenol	ND		794	2	05/11/2025 14:31	WG2512038
Pentachlorophenol	ND		794	2	05/11/2025 14:31	WG2512038
Phenol	ND	C3	794	2	05/11/2025 14:31	WG2512038
2,4,6-Trichlorophenol	ND		794	2	05/11/2025 14:31	WG2512038
(S) 2-Fluorophenol	*60.5*		*12.0-120*		*05/11/2025 14:31*	WG2512038
(S) Phenol-d5	*63.3*		*10.0-120*		*05/11/2025 14:31*	WG2512038
(S) Nitrobenzene-d5	*65.6*		*10.0-122*		*05/11/2025 14:31*	WG2512038
(S) 2-Fluorobiphenyl	*73.6*		*15.0-120*		*05/11/2025 14:31*	WG2512038
(S) 2,4,6-Tribromophenol	*93.2*		*10.0-127*		*05/11/2025 14:31*	WG2512038
(S) p-Terphenyl-d14	*80.7*		*10.0-120*		*05/11/2025 14:31*	WG2512038

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:

L1857512-08 WG2512038: 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	1940000		25700	1	05/13/2025 00:11	WG2512146

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	80.1		1	05/10/2025 14:39	WG2512083

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		12500	1	05/13/2025 01:38	WG2512303

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	1890000		125000	5	05/13/2025 00:11	WG2512301

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	49800		25700	1.03	05/10/2025 23:51	WG2512146

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	23400000		400000	4	05/12/2025 17:56	WG2512160

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	4140000		25000	1	05/10/2025 22:23	WG2512121
Antimony	ND		2500	1	05/10/2025 22:23	WG2512121
Beryllium	454		250	1	05/10/2025 22:23	WG2512121
Calcium	9370000		125000	1	05/10/2025 22:23	WG2512121
Cobalt	4060		1250	1	05/10/2025 22:23	WG2512121
Iron	7140000		12500	1	05/10/2025 22:23	WG2512121
Magnesium	2460000		125000	1	05/10/2025 22:23	WG2512121
Manganese	268000		1250	1	05/10/2025 22:23	WG2512121
Potassium	1660000		125000	1	05/10/2025 22:23	WG2512121
Sodium	196000		125000	1	05/10/2025 22:23	WG2512121
Thallium	ND		2500	1	05/10/2025 22:23	WG2512121
Vanadium	12400		2500	1	05/10/2025 22:23	WG2512121

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		74.9	1	05/10/2025 22:00	WG2512156
Acrylonitrile	ND	C3	18.7	1	05/10/2025 22:00	WG2512156
Bromobenzene	ND		18.7	1	05/10/2025 22:00	WG2512156
Bromodichloromethane	ND		3.74	1	05/10/2025 22:00	WG2512156
Bromoform	ND		37.4	1	05/10/2025 22:00	WG2512156
Bromomethane	ND		18.7	1	05/10/2025 22:00	WG2512156

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	05/10/2025 22:00	WG2512156
sec-Butylbenzene	ND		18.7	1	05/10/2025 22:00	WG2512156
tert-Butylbenzene	ND		7.49	1	05/10/2025 22:00	WG2512156
Carbon tetrachloride	ND		7.49	1	05/10/2025 22:00	WG2512156
Chlorobenzene	ND		3.74	1	05/10/2025 22:00	WG2512156
Chlorodibromomethane	ND		3.74	1	05/10/2025 22:00	WG2512156
Chloroethane	ND		7.49	1	05/10/2025 22:00	WG2512156
Chloroform	ND		3.74	1	05/10/2025 22:00	WG2512156
Chloromethane	ND	C3	18.7	1	05/10/2025 22:00	WG2512156
2-Chlorotoluene	ND		3.74	1	05/10/2025 22:00	WG2512156
4-Chlorotoluene	ND		7.49	1	05/10/2025 22:00	WG2512156
1,2-Dibromo-3-Chloropropane	ND	C3	37.4	1	05/10/2025 22:00	WG2512156
1,2-Dibromoethane	ND		3.74	1	05/10/2025 22:00	WG2512156
Dibromomethane	ND		7.49	1	05/10/2025 22:00	WG2512156
1,2-Dichlorobenzene	ND		7.49	1	05/10/2025 22:00	WG2512156
1,3-Dichlorobenzene	ND		7.49	1	05/10/2025 22:00	WG2512156
1,4-Dichlorobenzene	ND		7.49	1	05/10/2025 22:00	WG2512156
Dichlorodifluoromethane	ND		7.49	1	05/10/2025 22:00	WG2512156
1,1-Dichloroethane	ND		3.74	1	05/10/2025 22:00	WG2512156
1,2-Dichloroethane	ND		3.74	1	05/10/2025 22:00	WG2512156
1,1-Dichloroethene	ND		3.74	1	05/10/2025 22:00	WG2512156
cis-1,2-Dichloroethene	ND		3.74	1	05/10/2025 22:00	WG2512156
trans-1,2-Dichloroethene	ND		7.49	1	05/10/2025 22:00	WG2512156
1,2-Dichloropropane	ND		7.49	1	05/10/2025 22:00	WG2512156
1,1-Dichloropropene	ND		3.74	1	05/10/2025 22:00	WG2512156
1,3-Dichloropropane	ND		7.49	1	05/10/2025 22:00	WG2512156
cis-1,3-Dichloropropene	ND		3.74	1	05/10/2025 22:00	WG2512156
trans-1,3-Dichloropropene	ND		7.49	1	05/10/2025 22:00	WG2512156
2,2-Dichloropropane	ND		3.74	1	05/10/2025 22:00	WG2512156
Di-isopropyl ether	ND		1.50	1	05/10/2025 22:00	WG2512156
Hexachloro-1,3-butadiene	ND		37.4	1	05/10/2025 22:00	WG2512156
Isopropylbenzene	ND		3.74	1	05/10/2025 22:00	WG2512156
p-Isopropyltoluene	ND		7.49	1	05/10/2025 22:00	WG2512156
2-Butanone (MEK)	ND		150	1	05/10/2025 22:00	WG2512156
Methylene Chloride	ND		37.4	1	05/10/2025 22:00	WG2512156
4-Methyl-2-pentanone (MIBK)	ND	C3	37.4	1	05/10/2025 22:00	WG2512156
Methyl tert-butyl ether	ND		1.50	1	05/10/2025 22:00	WG2512156
n-Propylbenzene	ND		7.49	1	05/10/2025 22:00	WG2512156
Styrene	ND		18.7	1	05/10/2025 22:00	WG2512156
1,1,1,2-Tetrachloroethane	ND		3.74	1	05/10/2025 22:00	WG2512156
1,1,2,2-Tetrachloroethane	ND		3.74	1	05/10/2025 22:00	WG2512156
1,1,2-Trichlorotrifluoroethane	ND		3.74	1	05/10/2025 22:00	WG2512156
Tetrachloroethene	ND		3.74	1	05/10/2025 22:00	WG2512156
1,2,3-Trichlorobenzene	ND		18.7	1	05/10/2025 22:00	WG2512156
1,2,4-Trichlorobenzene	ND		18.7	1	05/10/2025 22:00	WG2512156
1,1,1-Trichloroethane	ND		3.74	1	05/10/2025 22:00	WG2512156
1,1,2-Trichloroethane	ND		3.74	1	05/10/2025 22:00	WG2512156
Trichloroethene	ND		1.50	1	05/10/2025 22:00	WG2512156
Trichlorofluoromethane	ND		3.74	1	05/10/2025 22:00	WG2512156
1,2,3-Trichloropropane	ND		18.7	1	05/10/2025 22:00	WG2512156
1,2,3-Trimethylbenzene	ND		7.49	1	05/10/2025 22:00	WG2512156
Vinyl chloride	ND		3.74	1	05/10/2025 22:00	WG2512156
(S) Toluene-d8	*100*		*75.0-131*		*05/10/2025 22:00*	WG2512156
(S) 4-Bromofluorobenzene	*88.9*		*67.0-138*		*05/10/2025 22:00*	WG2512156
(S) 1,2-Dichloroethane-d4	*110*		*70.0-130*		*05/10/2025 22:00*	WG2512156

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		83.2	2	05/11/2025 15:55	WG2512038
Benzidine	ND		4170	2	05/11/2025 15:55	WG2512038
Benzo(g,h,i)perylene	ND		83.2	2	05/11/2025 15:55	WG2512038
Bis(2-chlorethoxy)methane	ND	C4	832	2	05/11/2025 15:55	WG2512038
Bis(2-chloroethyl)ether	ND	C3	832	2	05/11/2025 15:55	WG2512038
2,2-Oxybis(1-Chloropropane)	ND		832	2	05/11/2025 15:55	WG2512038
4-Bromophenyl-phenylether	ND		832	2	05/11/2025 15:55	WG2512038
2-Chloronaphthalene	ND		83.2	2	05/11/2025 15:55	WG2512038
4-Chlorophenyl-phenylether	ND		832	2	05/11/2025 15:55	WG2512038
1,2-Dichlorobenzene	ND		832	2	05/11/2025 15:55	WG2512038
1,3-Dichlorobenzene	ND		832	2	05/11/2025 15:55	WG2512038
1,4-Dichlorobenzene	ND		832	2	05/11/2025 15:55	WG2512038
3,3-Dichlorobenzidine	ND		832	2	05/11/2025 15:55	WG2512038
2,4-Dinitrotoluene	ND		832	2	05/11/2025 15:55	WG2512038
2,6-Dinitrotoluene	ND		832	2	05/11/2025 15:55	WG2512038
Hexachlorobenzene	ND		832	2	05/11/2025 15:55	WG2512038
Hexachloro-1,3-butadiene	ND		832	2	05/11/2025 15:55	WG2512038
Hexachlorocyclopentadiene	ND	C7	832	2	05/11/2025 15:55	WG2512038
Hexachloroethane	ND		832	2	05/11/2025 15:55	WG2512038
Isophorone	ND		832	2	05/11/2025 15:55	WG2512038
Nitrobenzene	ND		832	2	05/11/2025 15:55	WG2512038
n-Nitrosodimethylamine	ND		832	2	05/11/2025 15:55	WG2512038
n-Nitrosodiphenylamine	ND		832	2	05/11/2025 15:55	WG2512038
n-Nitrosodi-n-propylamine	ND	C3	832	2	05/11/2025 15:55	WG2512038
Phenanthrene	ND		83.2	2	05/11/2025 15:55	WG2512038
Benzylbutyl phthalate	ND		832	2	05/11/2025 15:55	WG2512038
Bis(2-ethylhexyl)phthalate	ND		832	2	05/11/2025 15:55	WG2512038
Di-n-butyl phthalate	ND		832	2	05/11/2025 15:55	WG2512038
Diethyl phthalate	ND		832	2	05/11/2025 15:55	WG2512038
Dimethyl phthalate	ND		832	2	05/11/2025 15:55	WG2512038
Di-n-octyl phthalate	ND		832	2	05/11/2025 15:55	WG2512038
1,2,4-Trichlorobenzene	ND		832	2	05/11/2025 15:55	WG2512038
4-Chloro-3-methylphenol	ND		832	2	05/11/2025 15:55	WG2512038
2-Chlorophenol	ND		832	2	05/11/2025 15:55	WG2512038
2,4-Dichlorophenol	ND		832	2	05/11/2025 15:55	WG2512038
2,4-Dimethylphenol	ND	C3	832	2	05/11/2025 15:55	WG2512038
4,6-Dinitro-2-methylphenol	ND	J4	832	2	05/11/2025 15:55	WG2512038
2,4-Dinitrophenol	ND		832	2	05/11/2025 15:55	WG2512038
2-Nitrophenol	ND		832	2	05/11/2025 15:55	WG2512038
4-Nitrophenol	ND		832	2	05/11/2025 15:55	WG2512038
Pentachlorophenol	ND		832	2	05/11/2025 15:55	WG2512038
Phenol	ND	C3	832	2	05/11/2025 15:55	WG2512038
2,4,6-Trichlorophenol	ND		832	2	05/11/2025 15:55	WG2512038
(S) 2-Fluorophenol	*73.2*		*12.0-120*		*05/11/2025 15:55*	WG2512038
(S) Phenol-d5	*61.2*		*10.0-120*		*05/11/2025 15:55*	WG2512038
(S) Nitrobenzene-d5	*70.5*		*10.0-122*		*05/11/2025 15:55*	WG2512038
(S) 2-Fluorobiphenyl	*72.0*		*15.0-120*		*05/11/2025 15:55*	WG2512038
(S) 2,4,6-Tribromophenol	*91.7*		*10.0-127*		*05/11/2025 15:55*	WG2512038
(S) p-Terphenyl-d14	*76.9*		*10.0-120*		*05/11/2025 15:55*	WG2512038

Sample Narrative:

L1857512-09 WG2512038: 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	2570000		122000	1	05/12/2025 11:24	WG2512146

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.6		1	05/10/2025 14:39	WG2512083

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		12200	1	05/12/2025 01:16	WG2512304

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	2460000	V	122000	5	05/12/2025 11:24	WG2512302

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		247000	10.1	05/11/2025 00:07	WG2512146

Sample Narrative:

L1857512-10 WG2512146: 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	26600000		300000	3	05/12/2025 17:56	WG2512160

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	3840000		24500	1	05/10/2025 22:25	WG2512121
Antimony	ND		2450	1	05/10/2025 22:25	WG2512121
Beryllium	426		245	1	05/10/2025 22:25	WG2512121
Calcium	9740000		122000	1	05/10/2025 22:25	WG2512121
Cobalt	3740		1220	1	05/10/2025 22:25	WG2512121
Iron	6250000		12200	1	05/10/2025 22:25	WG2512121
Magnesium	2430000		122000	1	05/10/2025 22:25	WG2512121
Manganese	234000		1220	1	05/10/2025 22:25	WG2512121
Potassium	2030000		122000	1	05/10/2025 22:25	WG2512121
Sodium	362000		122000	1	05/10/2025 22:25	WG2512121
Thallium	ND		2450	1	05/10/2025 22:25	WG2512121
Vanadium	12400		2450	1	05/10/2025 22:25	WG2512121

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		72.5	1	05/10/2025 22:21	WG2512156
Acrylonitrile	ND	C3	18.1	1	05/10/2025 22:21	WG2512156
Bromobenzene	ND		18.1	1	05/10/2025 22:21	WG2512156

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		3.63	1	05/10/2025 22:21	WG2512156
Bromoform	ND		36.3	1	05/10/2025 22:21	WG2512156
Bromomethane	ND		18.1	1	05/10/2025 22:21	WG2512156
n-Butylbenzene	ND		18.1	1	05/10/2025 22:21	WG2512156
sec-Butylbenzene	ND		18.1	1	05/10/2025 22:21	WG2512156
tert-Butylbenzene	ND		7.25	1	05/10/2025 22:21	WG2512156
Carbon tetrachloride	ND		7.25	1	05/10/2025 22:21	WG2512156
Chlorobenzene	ND		3.63	1	05/10/2025 22:21	WG2512156
Chlorodibromomethane	ND		3.63	1	05/10/2025 22:21	WG2512156
Chloroethane	ND		7.25	1	05/10/2025 22:21	WG2512156
Chloroform	ND		3.63	1	05/10/2025 22:21	WG2512156
Chloromethane	ND	C3	18.1	1	05/10/2025 22:21	WG2512156
2-Chlorotoluene	ND		3.63	1	05/10/2025 22:21	WG2512156
4-Chlorotoluene	ND		7.25	1	05/10/2025 22:21	WG2512156
1,2-Dibromo-3-Chloropropane	ND	C3	36.3	1	05/10/2025 22:21	WG2512156
1,2-Dibromoethane	ND		3.63	1	05/10/2025 22:21	WG2512156
Dibromomethane	ND		7.25	1	05/10/2025 22:21	WG2512156
1,2-Dichlorobenzene	ND		7.25	1	05/10/2025 22:21	WG2512156
1,3-Dichlorobenzene	ND		7.25	1	05/10/2025 22:21	WG2512156
1,4-Dichlorobenzene	ND		7.25	1	05/10/2025 22:21	WG2512156
Dichlorodifluoromethane	ND		7.25	1	05/10/2025 22:21	WG2512156
1,1-Dichloroethane	ND		3.63	1	05/10/2025 22:21	WG2512156
1,2-Dichloroethane	ND		3.63	1	05/10/2025 22:21	WG2512156
1,1-Dichloroethene	ND		3.63	1	05/10/2025 22:21	WG2512156
cis-1,2-Dichloroethene	ND		3.63	1	05/10/2025 22:21	WG2512156
trans-1,2-Dichloroethene	ND		7.25	1	05/10/2025 22:21	WG2512156
1,2-Dichloropropane	ND		7.25	1	05/10/2025 22:21	WG2512156
1,1-Dichloropropene	ND		3.63	1	05/10/2025 22:21	WG2512156
1,3-Dichloropropane	ND		7.25	1	05/10/2025 22:21	WG2512156
cis-1,3-Dichloropropene	ND		3.63	1	05/10/2025 22:21	WG2512156
trans-1,3-Dichloropropene	ND		7.25	1	05/10/2025 22:21	WG2512156
2,2-Dichloropropane	ND		3.63	1	05/10/2025 22:21	WG2512156
Di-isopropyl ether	ND		1.45	1	05/10/2025 22:21	WG2512156
Hexachloro-1,3-butadiene	ND		36.3	1	05/10/2025 22:21	WG2512156
Isopropylbenzene	ND		3.63	1	05/10/2025 22:21	WG2512156
p-Isopropyltoluene	ND		7.25	1	05/10/2025 22:21	WG2512156
2-Butanone (MEK)	ND		145	1	05/10/2025 22:21	WG2512156
Methylene Chloride	ND		36.3	1	05/10/2025 22:21	WG2512156
4-Methyl-2-pentanone (MIBK)	ND	C3	36.3	1	05/10/2025 22:21	WG2512156
Methyl tert-butyl ether	ND		1.45	1	05/10/2025 22:21	WG2512156
n-Propylbenzene	ND		7.25	1	05/10/2025 22:21	WG2512156
Styrene	ND		18.1	1	05/10/2025 22:21	WG2512156
1,1,1,2-Tetrachloroethane	ND		3.63	1	05/10/2025 22:21	WG2512156
1,1,2,2-Tetrachloroethane	ND		3.63	1	05/10/2025 22:21	WG2512156
1,1,2-Trichlorotrifluoroethane	ND		3.63	1	05/10/2025 22:21	WG2512156
Tetrachloroethene	ND		3.63	1	05/10/2025 22:21	WG2512156
1,2,3-Trichlorobenzene	ND		18.1	1	05/10/2025 22:21	WG2512156
1,2,4-Trichlorobenzene	ND		18.1	1	05/10/2025 22:21	WG2512156
1,1,1-Trichloroethane	ND		3.63	1	05/10/2025 22:21	WG2512156
1,1,2-Trichloroethane	ND		3.63	1	05/10/2025 22:21	WG2512156
Trichloroethene	ND		1.45	1	05/10/2025 22:21	WG2512156
Trichlorofluoromethane	ND		3.63	1	05/10/2025 22:21	WG2512156
1,2,3-Trichloropropane	ND		18.1	1	05/10/2025 22:21	WG2512156
1,2,3-Trimethylbenzene	ND		7.25	1	05/10/2025 22:21	WG2512156
Vinyl chloride	ND		3.63	1	05/10/2025 22:21	WG2512156
(S) Toluene-d8	*99.9*		*75.0-131*		*05/10/2025 22:21*	WG2512156

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	*90.9*		*67.0-138*		*05/10/2025 22:21*	WG2512156
(S) 1,2-Dichloroethane-d4	*108*		*70.0-130*		*05/10/2025 22:21*	WG2512156

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		81.6	2	05/11/2025 18:00	WG2512038
Benzidine	ND		4090	2	05/11/2025 18:00	WG2512038
Benzo(g,h,i)perylene	ND		81.6	2	05/11/2025 18:00	WG2512038
Bis(2-chlorethoxy)methane	ND	C4	816	2	05/11/2025 18:00	WG2512038
Bis(2-chloroethyl)ether	ND	C3	816	2	05/11/2025 18:00	WG2512038
2,2-Oxybis(1-Chloropropane)	ND		816	2	05/11/2025 18:00	WG2512038
4-Bromophenyl-phenylether	ND		816	2	05/11/2025 18:00	WG2512038
2-Chloronaphthalene	ND		81.6	2	05/11/2025 18:00	WG2512038
4-Chlorophenyl-phenylether	ND		816	2	05/11/2025 18:00	WG2512038
1,2-Dichlorobenzene	ND		816	2	05/11/2025 18:00	WG2512038
1,3-Dichlorobenzene	ND		816	2	05/11/2025 18:00	WG2512038
1,4-Dichlorobenzene	ND		816	2	05/11/2025 18:00	WG2512038
3,3-Dichlorobenzidine	ND		816	2	05/11/2025 18:00	WG2512038
2,4-Dinitrotoluene	ND		816	2	05/11/2025 18:00	WG2512038
2,6-Dinitrotoluene	ND		816	2	05/11/2025 18:00	WG2512038
Hexachlorobenzene	ND		816	2	05/11/2025 18:00	WG2512038
Hexachloro-1,3-butadiene	ND		816	2	05/11/2025 18:00	WG2512038
Hexachlorocyclopentadiene	ND	C7	816	2	05/11/2025 18:00	WG2512038
Hexachloroethane	ND		816	2	05/11/2025 18:00	WG2512038
Isophorone	ND		816	2	05/11/2025 18:00	WG2512038
Nitrobenzene	ND		816	2	05/11/2025 18:00	WG2512038
n-Nitrosodimethylamine	ND		816	2	05/11/2025 18:00	WG2512038
n-Nitrosodiphenylamine	ND		816	2	05/11/2025 18:00	WG2512038
n-Nitrosodi-n-propylamine	ND	C3	816	2	05/11/2025 18:00	WG2512038
Phenanthrene	ND		81.6	2	05/11/2025 18:00	WG2512038
Benzylbutyl phthalate	ND		816	2	05/11/2025 18:00	WG2512038
Bis(2-ethylhexyl)phthalate	ND		816	2	05/11/2025 18:00	WG2512038
Di-n-butyl phthalate	ND		816	2	05/11/2025 18:00	WG2512038
Diethyl phthalate	ND		816	2	05/11/2025 18:00	WG2512038
Dimethyl phthalate	ND		816	2	05/11/2025 18:00	WG2512038
Di-n-octyl phthalate	ND		816	2	05/11/2025 18:00	WG2512038
1,2,4-Trichlorobenzene	ND		816	2	05/11/2025 18:00	WG2512038
4-Chloro-3-methylphenol	ND		816	2	05/11/2025 18:00	WG2512038
2-Chlorophenol	ND		816	2	05/11/2025 18:00	WG2512038
2,4-Dichlorophenol	ND		816	2	05/11/2025 18:00	WG2512038
2,4-Dimethylphenol	ND	C3	816	2	05/11/2025 18:00	WG2512038
4,6-Dinitro-2-methylphenol	ND	J4	816	2	05/11/2025 18:00	WG2512038
2,4-Dinitrophenol	ND		816	2	05/11/2025 18:00	WG2512038
2-Nitrophenol	ND		816	2	05/11/2025 18:00	WG2512038
4-Nitrophenol	ND		816	2	05/11/2025 18:00	WG2512038
Pentachlorophenol	ND		816	2	05/11/2025 18:00	WG2512038
Phenol	ND	C3	816	2	05/11/2025 18:00	WG2512038
2,4,6-Trichlorophenol	ND		816	2	05/11/2025 18:00	WG2512038
(S) 2-Fluorophenol	*67.7*		*12.0-120*		*05/11/2025 18:00*	WG2512038
(S) Phenol-d5	*65.1*		*10.0-120*		*05/11/2025 18:00*	WG2512038
(S) Nitrobenzene-d5	*74.7*		*10.0-122*		*05/11/2025 18:00*	WG2512038
(S) 2-Fluorobiphenyl	*77.1*		*15.0-120*		*05/11/2025 18:00*	WG2512038
(S) 2,4,6-Tribromophenol	*88.9*		*10.0-127*		*05/11/2025 18:00*	WG2512038
(S) p-Terphenyl-d14	*86.6*		*10.0-120*		*05/11/2025 18:00*	WG2512038

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

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

Sample Narrative:

L1857512-10 WG2512038: 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	05/10/2025 16:34	WG2512002
Acrolein	ND	C3	50.0	1	05/10/2025 16:34	WG2512002
Acrylonitrile	ND		10.0	1	05/10/2025 16:34	WG2512002
Benzene	ND		1.00	1	05/10/2025 16:34	WG2512002
Bromobenzene	ND		1.00	1	05/10/2025 16:34	WG2512002
Bromodichloromethane	ND		1.00	1	05/10/2025 16:34	WG2512002
Bromoform	ND		1.00	1	05/10/2025 16:34	WG2512002
Bromomethane	ND		5.00	1	05/10/2025 16:34	WG2512002
n-Butylbenzene	ND		1.00	1	05/10/2025 16:34	WG2512002
sec-Butylbenzene	ND		1.00	1	05/10/2025 16:34	WG2512002
tert-Butylbenzene	ND		1.00	1	05/10/2025 16:34	WG2512002
Carbon tetrachloride	ND		1.00	1	05/10/2025 16:34	WG2512002
Chlorobenzene	ND		1.00	1	05/10/2025 16:34	WG2512002
Chlorodibromomethane	ND		1.00	1	05/10/2025 16:34	WG2512002
Chloroethane	ND		5.00	1	05/10/2025 16:34	WG2512002
Chloroform	ND		5.00	1	05/10/2025 16:34	WG2512002
Chloromethane	ND		2.50	1	05/10/2025 16:34	WG2512002
2-Chlorotoluene	ND		1.00	1	05/10/2025 16:34	WG2512002
4-Chlorotoluene	ND		1.00	1	05/10/2025 16:34	WG2512002
1,2-Dibromo-3-Chloropropane	ND		5.00	1	05/10/2025 16:34	WG2512002
1,2-Dibromoethane	ND		1.00	1	05/10/2025 16:34	WG2512002
Dibromomethane	ND		1.00	1	05/10/2025 16:34	WG2512002
1,2-Dichlorobenzene	ND		1.00	1	05/10/2025 16:34	WG2512002
1,3-Dichlorobenzene	ND		1.00	1	05/10/2025 16:34	WG2512002
1,4-Dichlorobenzene	ND		1.00	1	05/10/2025 16:34	WG2512002
Dichlorodifluoromethane	ND		5.00	1	05/10/2025 16:34	WG2512002
1,1-Dichloroethane	ND		1.00	1	05/10/2025 16:34	WG2512002
1,2-Dichloroethane	ND		1.00	1	05/10/2025 16:34	WG2512002
1,1-Dichloroethene	ND		1.00	1	05/10/2025 16:34	WG2512002
cis-1,2-Dichloroethene	ND		1.00	1	05/10/2025 16:34	WG2512002
trans-1,2-Dichloroethene	ND		1.00	1	05/10/2025 16:34	WG2512002
1,2-Dichloropropane	ND		1.00	1	05/10/2025 16:34	WG2512002
1,1-Dichloropropene	ND		1.00	1	05/10/2025 16:34	WG2512002
1,3-Dichloropropane	ND		1.00	1	05/10/2025 16:34	WG2512002
cis-1,3-Dichloropropene	ND		1.00	1	05/10/2025 16:34	WG2512002
trans-1,3-Dichloropropene	ND		1.00	1	05/10/2025 16:34	WG2512002
2,2-Dichloropropane	ND		1.00	1	05/10/2025 16:34	WG2512002
Di-isopropyl ether	ND		1.00	1	05/10/2025 16:34	WG2512002
Ethylbenzene	ND		1.00	1	05/10/2025 16:34	WG2512002
Hexachloro-1,3-butadiene	ND		1.00	1	05/10/2025 16:34	WG2512002
Isopropylbenzene	ND		1.00	1	05/10/2025 16:34	WG2512002
p-Isopropyltoluene	ND		1.00	1	05/10/2025 16:34	WG2512002
2-Butanone (MEK)	ND		10.0	1	05/10/2025 16:34	WG2512002
Methylene Chloride	ND		5.00	1	05/10/2025 16:34	WG2512002
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	05/10/2025 16:34	WG2512002
Methyl tert-butyl ether	ND		1.00	1	05/10/2025 16:34	WG2512002
Naphthalene	ND	C3	5.00	1	05/10/2025 16:34	WG2512002
n-Propylbenzene	ND		1.00	1	05/10/2025 16:34	WG2512002
Styrene	ND		1.00	1	05/10/2025 16:34	WG2512002
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/10/2025 16:34	WG2512002
1,1,2,2-Tetrachloroethane	ND		1.00	1	05/10/2025 16:34	WG2512002
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	05/10/2025 16:34	WG2512002
Tetrachloroethene	ND		1.00	1	05/10/2025 16:34	WG2512002
Toluene	ND		1.00	1	05/10/2025 16:34	WG2512002
1,2,3-Trichlorobenzene	ND	C3	1.00	1	05/10/2025 16:34	WG2512002
1,2,4-Trichlorobenzene	ND		1.00	1	05/10/2025 16:34	WG2512002

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	05/10/2025 16:34	WG2512002
1,1,2-Trichloroethane	ND		1.00	1	05/10/2025 16:34	WG2512002
Trichloroethene	ND		1.00	1	05/10/2025 16:34	WG2512002
Trichlorofluoromethane	ND		5.00	1	05/10/2025 16:34	WG2512002
1,2,3-Trichloropropane	ND		2.50	1	05/10/2025 16:34	WG2512002
1,2,4-Trimethylbenzene	ND		1.00	1	05/10/2025 16:34	WG2512002
1,2,3-Trimethylbenzene	ND		1.00	1	05/10/2025 16:34	WG2512002
1,3,5-Trimethylbenzene	ND		1.00	1	05/10/2025 16:34	WG2512002
Vinyl chloride	ND		1.00	1	05/10/2025 16:34	WG2512002
Xylenes, Total	ND		3.00	1	05/10/2025 16:34	WG2512002
(S) Toluene-d8	*99.9*		*80.0-120*		*05/10/2025 16:34*	WG2512002
(S) 4-Bromofluorobenzene	*86.6*		*77.0-126*		*05/10/2025 16:34*	WG2512002
(S) 1,2-Dichloroethane-d4	*111*		*70.0-130*		*05/10/2025 16:34*	WG2512002

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1490000		25100	1	05/12/2025 11:29	WG2512146

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	82.7		1	05/10/2025 14:39	WG2512083

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		12100	1	05/12/2025 01:19	WG2512304

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	1460000		121000	5	05/12/2025 11:29	WG2512302

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	35600		25100	1.04	05/11/2025 00:24	WG2512146

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	18900000		500000	5	05/12/2025 17:57	WG2512160

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	2160000		24200	1	05/10/2025 22:27	WG2512121
Antimony	ND		2420	1	05/10/2025 22:27	WG2512121
Beryllium	257		242	1	05/10/2025 22:27	WG2512121
Calcium	2700000		121000	1	05/10/2025 22:27	WG2512121
Cobalt	2250		1210	1	05/10/2025 22:27	WG2512121
Iron	3540000		12100	1	05/10/2025 22:27	WG2512121
Magnesium	1050000		121000	1	05/10/2025 22:27	WG2512121
Manganese	175000		1210	1	05/10/2025 22:27	WG2512121
Potassium	1360000		121000	1	05/10/2025 22:27	WG2512121
Sodium	128000		121000	1	05/10/2025 22:27	WG2512121
Thallium	ND		2420	1	05/10/2025 22:27	WG2512121
Vanadium	7260		2420	1	05/10/2025 22:27	WG2512121

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		70.9	1	05/10/2025 22:41	WG2512156
Acrylonitrile	ND	C3	17.7	1	05/10/2025 22:41	WG2512156
Bromobenzene	ND		17.7	1	05/10/2025 22:41	WG2512156
Bromodichloromethane	ND		3.54	1	05/10/2025 22:41	WG2512156
Bromoform	ND		35.4	1	05/10/2025 22:41	WG2512156
Bromomethane	ND		17.7	1	05/10/2025 22:41	WG2512156

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		17.7	1	05/10/2025 22:41	WG2512156
sec-Butylbenzene	ND		17.7	1	05/10/2025 22:41	WG2512156
tert-Butylbenzene	ND		7.09	1	05/10/2025 22:41	WG2512156
Carbon tetrachloride	ND		7.09	1	05/10/2025 22:41	WG2512156
Chlorobenzene	ND		3.54	1	05/10/2025 22:41	WG2512156
Chlorodibromomethane	ND		3.54	1	05/10/2025 22:41	WG2512156
Chloroethane	ND		7.09	1	05/10/2025 22:41	WG2512156
Chloroform	ND		3.54	1	05/10/2025 22:41	WG2512156
Chloromethane	ND	C3	17.7	1	05/10/2025 22:41	WG2512156
2-Chlorotoluene	ND		3.54	1	05/10/2025 22:41	WG2512156
4-Chlorotoluene	ND		7.09	1	05/10/2025 22:41	WG2512156
1,2-Dibromo-3-Chloropropane	ND	C3	35.4	1	05/10/2025 22:41	WG2512156
1,2-Dibromoethane	ND		3.54	1	05/10/2025 22:41	WG2512156
Dibromomethane	ND		7.09	1	05/10/2025 22:41	WG2512156
1,2-Dichlorobenzene	ND		7.09	1	05/10/2025 22:41	WG2512156
1,3-Dichlorobenzene	ND		7.09	1	05/10/2025 22:41	WG2512156
1,4-Dichlorobenzene	ND		7.09	1	05/10/2025 22:41	WG2512156
Dichlorodifluoromethane	ND		7.09	1	05/10/2025 22:41	WG2512156
1,1-Dichloroethane	ND		3.54	1	05/10/2025 22:41	WG2512156
1,2-Dichloroethane	ND		3.54	1	05/10/2025 22:41	WG2512156
1,1-Dichloroethene	ND		3.54	1	05/10/2025 22:41	WG2512156
cis-1,2-Dichloroethene	ND		3.54	1	05/10/2025 22:41	WG2512156
trans-1,2-Dichloroethene	ND		7.09	1	05/10/2025 22:41	WG2512156
1,2-Dichloropropane	ND		7.09	1	05/10/2025 22:41	WG2512156
1,1-Dichloropropene	ND		3.54	1	05/10/2025 22:41	WG2512156
1,3-Dichloropropane	ND		7.09	1	05/10/2025 22:41	WG2512156
cis-1,3-Dichloropropene	ND		3.54	1	05/10/2025 22:41	WG2512156
trans-1,3-Dichloropropene	ND		7.09	1	05/10/2025 22:41	WG2512156
2,2-Dichloropropane	ND		3.54	1	05/10/2025 22:41	WG2512156
Di-isopropyl ether	ND		1.42	1	05/10/2025 22:41	WG2512156
Hexachloro-1,3-butadiene	ND		35.4	1	05/10/2025 22:41	WG2512156
Isopropylbenzene	ND		3.54	1	05/10/2025 22:41	WG2512156
p-Isopropyltoluene	ND		7.09	1	05/10/2025 22:41	WG2512156
2-Butanone (MEK)	ND		142	1	05/10/2025 22:41	WG2512156
Methylene Chloride	ND		35.4	1	05/10/2025 22:41	WG2512156
4-Methyl-2-pentanone (MIBK)	ND	C3	35.4	1	05/10/2025 22:41	WG2512156
Methyl tert-butyl ether	ND		1.42	1	05/10/2025 22:41	WG2512156
n-Propylbenzene	ND		7.09	1	05/10/2025 22:41	WG2512156
Styrene	ND		17.7	1	05/10/2025 22:41	WG2512156
1,1,1,2-Tetrachloroethane	ND		3.54	1	05/10/2025 22:41	WG2512156
1,1,2,2-Tetrachloroethane	ND		3.54	1	05/10/2025 22:41	WG2512156
1,1,2-Trichlorotrifluoroethane	ND		3.54	1	05/10/2025 22:41	WG2512156
Tetrachloroethene	ND		3.54	1	05/10/2025 22:41	WG2512156
1,2,3-Trichlorobenzene	ND		17.7	1	05/10/2025 22:41	WG2512156
1,2,4-Trichlorobenzene	ND		17.7	1	05/10/2025 22:41	WG2512156
1,1,1-Trichloroethane	ND		3.54	1	05/10/2025 22:41	WG2512156
1,1,2-Trichloroethane	ND		3.54	1	05/10/2025 22:41	WG2512156
Trichloroethene	ND		1.42	1	05/10/2025 22:41	WG2512156
Trichlorofluoromethane	ND		3.54	1	05/10/2025 22:41	WG2512156
1,2,3-Trichloropropane	ND		17.7	1	05/10/2025 22:41	WG2512156
1,2,3-Trimethylbenzene	ND		7.09	1	05/10/2025 22:41	WG2512156
Vinyl chloride	ND		3.54	1	05/10/2025 22:41	WG2512156
(S) Toluene-d8	*101*		*75.0-131*		*05/10/2025 22:41*	WG2512156
(S) 4-Bromofluorobenzene	*91.4*		*67.0-138*		*05/10/2025 22:41*	WG2512156
(S) 1,2-Dichloroethane-d4	*112*		*70.0-130*		*05/10/2025 22:41*	WG2512156

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		40.2	1	05/10/2025 22:44	WG2512038
Benzidine	ND	C7	2020	1	05/10/2025 22:44	WG2512038
Benzo(g,h,i)perylene	ND		40.2	1	05/10/2025 22:44	WG2512038
Bis(2-chlorethoxy)methane	ND	C3	402	1	05/10/2025 22:44	WG2512038
Bis(2-chloroethyl)ether	ND		402	1	05/10/2025 22:44	WG2512038
2,2-Oxybis(1-Chloropropane)	ND		402	1	05/10/2025 22:44	WG2512038
4-Bromophenyl-phenylether	ND		402	1	05/10/2025 22:44	WG2512038
2-Chloronaphthalene	ND		40.2	1	05/10/2025 22:44	WG2512038
4-Chlorophenyl-phenylether	ND		402	1	05/10/2025 22:44	WG2512038
1,2-Dichlorobenzene	ND		402	1	05/10/2025 22:44	WG2512038
1,3-Dichlorobenzene	ND		402	1	05/10/2025 22:44	WG2512038
1,4-Dichlorobenzene	ND		402	1	05/10/2025 22:44	WG2512038
3,3-Dichlorobenzidine	ND		402	1	05/10/2025 22:44	WG2512038
2,4-Dinitrotoluene	ND		402	1	05/10/2025 22:44	WG2512038
2,6-Dinitrotoluene	ND		402	1	05/10/2025 22:44	WG2512038
Hexachlorobenzene	ND		402	1	05/10/2025 22:44	WG2512038
Hexachloro-1,3-butadiene	ND		402	1	05/10/2025 22:44	WG2512038
Hexachlorocyclopentadiene	ND	C3	402	1	05/10/2025 22:44	WG2512038
Hexachloroethane	ND		402	1	05/10/2025 22:44	WG2512038
Isophorone	ND		402	1	05/10/2025 22:44	WG2512038
Nitrobenzene	ND		402	1	05/10/2025 22:44	WG2512038
n-Nitrosodimethylamine	ND		402	1	05/10/2025 22:44	WG2512038
n-Nitrosodiphenylamine	ND		402	1	05/10/2025 22:44	WG2512038
n-Nitrosodi-n-propylamine	ND	C3	402	1	05/10/2025 22:44	WG2512038
Phenanthrene	ND		40.2	1	05/10/2025 22:44	WG2512038
Benzylbutyl phthalate	ND		402	1	05/10/2025 22:44	WG2512038
Bis(2-ethylhexyl)phthalate	ND		402	1	05/10/2025 22:44	WG2512038
Di-n-butyl phthalate	ND		402	1	05/10/2025 22:44	WG2512038
Diethyl phthalate	ND		402	1	05/10/2025 22:44	WG2512038
Dimethyl phthalate	ND		402	1	05/10/2025 22:44	WG2512038
Di-n-octyl phthalate	ND		402	1	05/10/2025 22:44	WG2512038
1,2,4-Trichlorobenzene	ND		402	1	05/10/2025 22:44	WG2512038
4-Chloro-3-methylphenol	ND		402	1	05/10/2025 22:44	WG2512038
2-Chlorophenol	ND		402	1	05/10/2025 22:44	WG2512038
2,4-Dichlorophenol	ND		402	1	05/10/2025 22:44	WG2512038
2,4-Dimethylphenol	ND		402	1	05/10/2025 22:44	WG2512038
4,6-Dinitro-2-methylphenol	ND	J4	402	1	05/10/2025 22:44	WG2512038
2,4-Dinitrophenol	ND		402	1	05/10/2025 22:44	WG2512038
2-Nitrophenol	ND		402	1	05/10/2025 22:44	WG2512038
4-Nitrophenol	ND		402	1	05/10/2025 22:44	WG2512038
Pentachlorophenol	ND		402	1	05/10/2025 22:44	WG2512038
Phenol	ND		402	1	05/10/2025 22:44	WG2512038
2,4,6-Trichlorophenol	ND		402	1	05/10/2025 22:44	WG2512038
(S) 2-Fluorophenol	*72.6*		*12.0-120*		*05/10/2025 22:44*	WG2512038
(S) Phenol-d5	*61.0*		*10.0-120*		*05/10/2025 22:44*	WG2512038
(S) Nitrobenzene-d5	*52.7*		*10.0-122*		*05/10/2025 22:44*	WG2512038
(S) 2-Fluorobiphenyl	*63.9*		*15.0-120*		*05/10/2025 22:44*	WG2512038
(S) 2,4,6-Tribromophenol	*98.6*		*10.0-127*		*05/10/2025 22:44*	WG2512038
(S) p-Terphenyl-d14	*67.8*		*10.0-120*		*05/10/2025 22:44*	WG2512038

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1650000		26200	1	05/12/2025 11:29	WG2512146

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	80.2		1	05/10/2025 14:39	WG2512083

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		12500	1	05/12/2025 01:21	WG2512304

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	1640000		125000	5	05/12/2025 11:29	WG2512302

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	05/11/2025 00:40	WG2512146

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	32900000		500000	5	05/12/2025 17:58	WG2512160

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	2450000		24900	1	05/10/2025 22:28	WG2512121
Antimony	ND		2490	1	05/10/2025 22:28	WG2512121
Beryllium	279		249	1	05/10/2025 22:28	WG2512121
Calcium	3310000		125000	1	05/10/2025 22:28	WG2512121
Cobalt	2240		1250	1	05/10/2025 22:28	WG2512121
Iron	4400000		12500	1	05/10/2025 22:28	WG2512121
Magnesium	1090000		125000	1	05/10/2025 22:28	WG2512121
Manganese	161000		1250	1	05/10/2025 22:28	WG2512121
Potassium	1360000		125000	1	05/10/2025 22:28	WG2512121
Sodium	129000		125000	1	05/10/2025 22:28	WG2512121
Thallium	ND		2490	1	05/10/2025 22:28	WG2512121
Vanadium	8150		2490	1	05/10/2025 22:28	WG2512121

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		74.8	1	05/10/2025 23:02	WG2512156
Acrylonitrile	ND	C3	18.7	1	05/10/2025 23:02	WG2512156
Bromobenzene	ND		18.7	1	05/10/2025 23:02	WG2512156
Bromodichloromethane	ND		3.74	1	05/10/2025 23:02	WG2512156
Bromoform	ND		37.4	1	05/10/2025 23:02	WG2512156
Bromomethane	ND		18.7	1	05/10/2025 23:02	WG2512156

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	05/10/2025 23:02	WG2512156
sec-Butylbenzene	ND		18.7	1	05/10/2025 23:02	WG2512156
tert-Butylbenzene	ND		7.48	1	05/10/2025 23:02	WG2512156
Carbon tetrachloride	ND		7.48	1	05/10/2025 23:02	WG2512156
Chlorobenzene	ND		3.74	1	05/10/2025 23:02	WG2512156
Chlorodibromomethane	ND		3.74	1	05/10/2025 23:02	WG2512156
Chloroethane	ND		7.48	1	05/10/2025 23:02	WG2512156
Chloroform	ND		3.74	1	05/10/2025 23:02	WG2512156
Chloromethane	ND	C3	18.7	1	05/10/2025 23:02	WG2512156
2-Chlorotoluene	ND		3.74	1	05/10/2025 23:02	WG2512156
4-Chlorotoluene	ND		7.48	1	05/10/2025 23:02	WG2512156
1,2-Dibromo-3-Chloropropane	ND	C3	37.4	1	05/10/2025 23:02	WG2512156
1,2-Dibromoethane	ND		3.74	1	05/10/2025 23:02	WG2512156
Dibromomethane	ND		7.48	1	05/10/2025 23:02	WG2512156
1,2-Dichlorobenzene	ND		7.48	1	05/10/2025 23:02	WG2512156
1,3-Dichlorobenzene	ND		7.48	1	05/10/2025 23:02	WG2512156
1,4-Dichlorobenzene	ND		7.48	1	05/10/2025 23:02	WG2512156
Dichlorodifluoromethane	ND		7.48	1	05/10/2025 23:02	WG2512156
1,1-Dichloroethane	ND		3.74	1	05/10/2025 23:02	WG2512156
1,2-Dichloroethane	ND		3.74	1	05/10/2025 23:02	WG2512156
1,1-Dichloroethene	ND		3.74	1	05/10/2025 23:02	WG2512156
cis-1,2-Dichloroethene	ND		3.74	1	05/10/2025 23:02	WG2512156
trans-1,2-Dichloroethene	ND		7.48	1	05/10/2025 23:02	WG2512156
1,2-Dichloropropane	ND		7.48	1	05/10/2025 23:02	WG2512156
1,1-Dichloropropene	ND		3.74	1	05/10/2025 23:02	WG2512156
1,3-Dichloropropane	ND		7.48	1	05/10/2025 23:02	WG2512156
cis-1,3-Dichloropropene	ND		3.74	1	05/10/2025 23:02	WG2512156
trans-1,3-Dichloropropene	ND		7.48	1	05/10/2025 23:02	WG2512156
2,2-Dichloropropane	ND		3.74	1	05/10/2025 23:02	WG2512156
Di-isopropyl ether	ND		1.50	1	05/10/2025 23:02	WG2512156
Hexachloro-1,3-butadiene	ND		37.4	1	05/10/2025 23:02	WG2512156
Isopropylbenzene	ND		3.74	1	05/10/2025 23:02	WG2512156
p-Isopropyltoluene	ND		7.48	1	05/10/2025 23:02	WG2512156
2-Butanone (MEK)	ND		150	1	05/10/2025 23:02	WG2512156
Methylene Chloride	ND		37.4	1	05/10/2025 23:02	WG2512156
4-Methyl-2-pentanone (MIBK)	ND	C3	37.4	1	05/10/2025 23:02	WG2512156
Methyl tert-butyl ether	ND		1.50	1	05/10/2025 23:02	WG2512156
n-Propylbenzene	ND		7.48	1	05/10/2025 23:02	WG2512156
Styrene	ND		18.7	1	05/10/2025 23:02	WG2512156
1,1,1,2-Tetrachloroethane	ND		3.74	1	05/10/2025 23:02	WG2512156
1,1,2,2-Tetrachloroethane	ND		3.74	1	05/10/2025 23:02	WG2512156
1,1,2-Trichlorotrifluoroethane	ND		3.74	1	05/10/2025 23:02	WG2512156
Tetrachloroethene	ND		3.74	1	05/10/2025 23:02	WG2512156
1,2,3-Trichlorobenzene	ND		18.7	1	05/10/2025 23:02	WG2512156
1,2,4-Trichlorobenzene	ND		18.7	1	05/10/2025 23:02	WG2512156
1,1,1-Trichloroethane	ND		3.74	1	05/10/2025 23:02	WG2512156
1,1,2-Trichloroethane	ND		3.74	1	05/10/2025 23:02	WG2512156
Trichloroethene	ND		1.50	1	05/10/2025 23:02	WG2512156
Trichlorofluoromethane	ND		3.74	1	05/10/2025 23:02	WG2512156
1,2,3-Trichloropropane	ND		18.7	1	05/10/2025 23:02	WG2512156
1,2,3-Trimethylbenzene	ND		7.48	1	05/10/2025 23:02	WG2512156
Vinyl chloride	ND		3.74	1	05/10/2025 23:02	WG2512156
(S) Toluene-d8	*98.6*		*75.0-131*		*05/10/2025 23:02*	WG2512156
(S) 4-Bromofluorobenzene	*96.7*		*67.0-138*		*05/10/2025 23:02*	WG2512156
(S) 1,2-Dichloroethane-d4	*110*		*70.0-130*		*05/10/2025 23:02*	WG2512156

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	05/10/2025 23:25	WG2512038
Benzidine	ND	C7	4170	2	05/10/2025 23:25	WG2512038
Benzo(g,h,i)perylene	ND		83.1	2	05/10/2025 23:25	WG2512038
Bis(2-chlorethoxy)methane	ND	C3	831	2	05/10/2025 23:25	WG2512038
Bis(2-chloroethyl)ether	ND		831	2	05/10/2025 23:25	WG2512038
2,2-Oxybis(1-Chloropropane)	ND		831	2	05/10/2025 23:25	WG2512038
4-Bromophenyl-phenylether	ND		831	2	05/10/2025 23:25	WG2512038
2-Chloronaphthalene	ND		83.1	2	05/10/2025 23:25	WG2512038
4-Chlorophenyl-phenylether	ND		831	2	05/10/2025 23:25	WG2512038
1,2-Dichlorobenzene	ND		831	2	05/10/2025 23:25	WG2512038
1,3-Dichlorobenzene	ND		831	2	05/10/2025 23:25	WG2512038
1,4-Dichlorobenzene	ND		831	2	05/10/2025 23:25	WG2512038
3,3-Dichlorobenzidine	ND		831	2	05/10/2025 23:25	WG2512038
2,4-Dinitrotoluene	ND		831	2	05/10/2025 23:25	WG2512038
2,6-Dinitrotoluene	ND		831	2	05/10/2025 23:25	WG2512038
Hexachlorobenzene	ND		831	2	05/10/2025 23:25	WG2512038
Hexachloro-1,3-butadiene	ND		831	2	05/10/2025 23:25	WG2512038
Hexachlorocyclopentadiene	ND	C3	831	2	05/10/2025 23:25	WG2512038
Hexachloroethane	ND		831	2	05/10/2025 23:25	WG2512038
Isophorone	ND		831	2	05/10/2025 23:25	WG2512038
Nitrobenzene	ND		831	2	05/10/2025 23:25	WG2512038
n-Nitrosodimethylamine	ND		831	2	05/10/2025 23:25	WG2512038
n-Nitrosodiphenylamine	ND		831	2	05/10/2025 23:25	WG2512038
n-Nitrosodi-n-propylamine	ND	C3	831	2	05/10/2025 23:25	WG2512038
Phenanthrene	ND		83.1	2	05/10/2025 23:25	WG2512038
Benzylbutyl phthalate	ND		831	2	05/10/2025 23:25	WG2512038
Bis(2-ethylhexyl)phthalate	ND		831	2	05/10/2025 23:25	WG2512038
Di-n-butyl phthalate	ND		831	2	05/10/2025 23:25	WG2512038
Diethyl phthalate	ND		831	2	05/10/2025 23:25	WG2512038
Dimethyl phthalate	ND		831	2	05/10/2025 23:25	WG2512038
Di-n-octyl phthalate	ND		831	2	05/10/2025 23:25	WG2512038
1,2,4-Trichlorobenzene	ND		831	2	05/10/2025 23:25	WG2512038
4-Chloro-3-methylphenol	ND		831	2	05/10/2025 23:25	WG2512038
2-Chlorophenol	ND		831	2	05/10/2025 23:25	WG2512038
2,4-Dichlorophenol	ND		831	2	05/10/2025 23:25	WG2512038
2,4-Dimethylphenol	ND		831	2	05/10/2025 23:25	WG2512038
4,6-Dinitro-2-methylphenol	ND	J4	831	2	05/10/2025 23:25	WG2512038
2,4-Dinitrophenol	ND		831	2	05/10/2025 23:25	WG2512038
2-Nitrophenol	ND		831	2	05/10/2025 23:25	WG2512038
4-Nitrophenol	ND		831	2	05/10/2025 23:25	WG2512038
Pentachlorophenol	ND		831	2	05/10/2025 23:25	WG2512038
Phenol	ND		831	2	05/10/2025 23:25	WG2512038
2,4,6-Trichlorophenol	ND		831	2	05/10/2025 23:25	WG2512038
(S) 2-Fluorophenol	*82.5*		*12.0-120*		*05/10/2025 23:25*	WG2512038
(S) Phenol-d5	*66.7*		*10.0-120*		*05/10/2025 23:25*	WG2512038
(S) Nitrobenzene-d5	*54.2*		*10.0-122*		*05/10/2025 23:25*	WG2512038
(S) 2-Fluorobiphenyl	*70.5*		*15.0-120*		*05/10/2025 23:25*	WG2512038
(S) 2,4,6-Tribromophenol	*103*		*10.0-127*		*05/10/2025 23:25*	WG2512038
(S) p-Terphenyl-d14	*74.1*		*10.0-120*		*05/10/2025 23:25*	WG2512038

Sample Narrative:

L1857512-13 WG2512038: 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	1700000		24600	1	05/12/2025 11:31	WG2512150

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.3		1	05/10/2025 14:56	WG2512085

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	05/12/2025 01:22	WG2512304

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	1690000		123000	5	05/12/2025 11:31	WG2512302

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	05/10/2025 22:08	WG2512150

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	33200000		400000	4	05/12/2025 17:59	WG2512160

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	1440000		24600	1	05/10/2025 21:57	WG2512143
Antimony	ND		2460	1	05/10/2025 21:57	WG2512143
Beryllium	ND		246	1	05/10/2025 21:57	WG2512143
Calcium	4910000		123000	1	05/10/2025 21:57	WG2512143
Cobalt	1730		1230	1	05/10/2025 21:57	WG2512143
Iron	2230000		12300	1	05/10/2025 21:57	WG2512143
Magnesium	1020000		123000	1	05/10/2025 21:57	WG2512143
Manganese	124000		1230	1	05/10/2025 21:57	WG2512143
Potassium	923000		123000	1	05/10/2025 21:57	WG2512143
Sodium	ND		123000	1	05/10/2025 21:57	WG2512143
Thallium	ND		2460	1	05/10/2025 21:57	WG2512143
Vanadium	5490		2460	1	05/10/2025 21:57	WG2512143

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		73.1	1	05/10/2025 23:23	WG2512156
Acrylonitrile	ND	C3	18.3	1	05/10/2025 23:23	WG2512156
Bromobenzene	ND		18.3	1	05/10/2025 23:23	WG2512156
Bromodichloromethane	ND		3.66	1	05/10/2025 23:23	WG2512156
Bromoform	ND		36.6	1	05/10/2025 23:23	WG2512156
Bromomethane	ND		18.3	1	05/10/2025 23:23	WG2512156

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		18.3	1	05/10/2025 23:23	WG2512156
sec-Butylbenzene	ND		18.3	1	05/10/2025 23:23	WG2512156
tert-Butylbenzene	ND		7.31	1	05/10/2025 23:23	WG2512156
Carbon tetrachloride	ND		7.31	1	05/10/2025 23:23	WG2512156
Chlorobenzene	ND		3.66	1	05/10/2025 23:23	WG2512156
Chlorodibromomethane	ND		3.66	1	05/10/2025 23:23	WG2512156
Chloroethane	ND		7.31	1	05/10/2025 23:23	WG2512156
Chloroform	ND		3.66	1	05/10/2025 23:23	WG2512156
Chloromethane	ND	C3	18.3	1	05/10/2025 23:23	WG2512156
2-Chlorotoluene	ND		3.66	1	05/10/2025 23:23	WG2512156
4-Chlorotoluene	ND		7.31	1	05/10/2025 23:23	WG2512156
1,2-Dibromo-3-Chloropropane	ND	C3	36.6	1	05/10/2025 23:23	WG2512156
1,2-Dibromoethane	ND		3.66	1	05/10/2025 23:23	WG2512156
Dibromomethane	ND		7.31	1	05/10/2025 23:23	WG2512156
1,2-Dichlorobenzene	ND		7.31	1	05/10/2025 23:23	WG2512156
1,3-Dichlorobenzene	ND		7.31	1	05/10/2025 23:23	WG2512156
1,4-Dichlorobenzene	ND		7.31	1	05/10/2025 23:23	WG2512156
Dichlorodifluoromethane	ND		7.31	1	05/10/2025 23:23	WG2512156
1,1-Dichloroethane	ND		3.66	1	05/10/2025 23:23	WG2512156
1,2-Dichloroethane	ND		3.66	1	05/10/2025 23:23	WG2512156
1,1-Dichloroethene	ND		3.66	1	05/10/2025 23:23	WG2512156
cis-1,2-Dichloroethene	ND		3.66	1	05/10/2025 23:23	WG2512156
trans-1,2-Dichloroethene	ND		7.31	1	05/10/2025 23:23	WG2512156
1,2-Dichloropropane	ND		7.31	1	05/10/2025 23:23	WG2512156
1,1-Dichloropropene	ND		3.66	1	05/10/2025 23:23	WG2512156
1,3-Dichloropropane	ND		7.31	1	05/10/2025 23:23	WG2512156
cis-1,3-Dichloropropene	ND		3.66	1	05/10/2025 23:23	WG2512156
trans-1,3-Dichloropropene	ND		7.31	1	05/10/2025 23:23	WG2512156
2,2-Dichloropropane	ND		3.66	1	05/10/2025 23:23	WG2512156
Di-isopropyl ether	ND		1.46	1	05/10/2025 23:23	WG2512156
Hexachloro-1,3-butadiene	ND		36.6	1	05/10/2025 23:23	WG2512156
Isopropylbenzene	ND		3.66	1	05/10/2025 23:23	WG2512156
p-Isopropyltoluene	ND		7.31	1	05/10/2025 23:23	WG2512156
2-Butanone (MEK)	ND		146	1	05/10/2025 23:23	WG2512156
Methylene Chloride	ND		36.6	1	05/10/2025 23:23	WG2512156
4-Methyl-2-pentanone (MIBK)	ND	C3	36.6	1	05/10/2025 23:23	WG2512156
Methyl tert-butyl ether	ND		1.46	1	05/10/2025 23:23	WG2512156
n-Propylbenzene	ND		7.31	1	05/10/2025 23:23	WG2512156
Styrene	ND		18.3	1	05/10/2025 23:23	WG2512156
1,1,1,2-Tetrachloroethane	ND		3.66	1	05/10/2025 23:23	WG2512156
1,1,2,2-Tetrachloroethane	ND		3.66	1	05/10/2025 23:23	WG2512156
1,1,2-Trichlorotrifluoroethane	ND		3.66	1	05/10/2025 23:23	WG2512156
Tetrachloroethene	ND		3.66	1	05/10/2025 23:23	WG2512156
1,2,3-Trichlorobenzene	ND		18.3	1	05/10/2025 23:23	WG2512156
1,2,4-Trichlorobenzene	ND		18.3	1	05/10/2025 23:23	WG2512156
1,1,1-Trichloroethane	ND		3.66	1	05/10/2025 23:23	WG2512156
1,1,2-Trichloroethane	ND		3.66	1	05/10/2025 23:23	WG2512156
Trichloroethene	ND		1.46	1	05/10/2025 23:23	WG2512156
Trichlorofluoromethane	ND		3.66	1	05/10/2025 23:23	WG2512156
1,2,3-Trichloropropane	ND		18.3	1	05/10/2025 23:23	WG2512156
1,2,3-Trimethylbenzene	ND		7.31	1	05/10/2025 23:23	WG2512156
Vinyl chloride	ND		3.66	1	05/10/2025 23:23	WG2512156
(S) Toluene-d8	*101*		*75.0-131*		*05/10/2025 23:23*	WG2512156
(S) 4-Bromofluorobenzene	*91.4*		*67.0-138*		*05/10/2025 23:23*	WG2512156
(S) 1,2-Dichloroethane-d4	*110*		*70.0-130*		*05/10/2025 23:23*	WG2512156

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		82.0	2	05/11/2025 00:07	WG2512038
Benzidine	ND	C7	4110	2	05/11/2025 00:07	WG2512038
Benzo(g,h,i)perylene	ND		82.0	2	05/11/2025 00:07	WG2512038
Bis(2-chlorethoxy)methane	ND	C3	820	2	05/11/2025 00:07	WG2512038
Bis(2-chloroethyl)ether	ND		820	2	05/11/2025 00:07	WG2512038
2,2-Oxybis(1-Chloropropane)	ND		820	2	05/11/2025 00:07	WG2512038
4-Bromophenyl-phenylether	ND		820	2	05/11/2025 00:07	WG2512038
2-Chloronaphthalene	ND		82.0	2	05/11/2025 00:07	WG2512038
4-Chlorophenyl-phenylether	ND		820	2	05/11/2025 00:07	WG2512038
1,2-Dichlorobenzene	ND		820	2	05/11/2025 00:07	WG2512038
1,3-Dichlorobenzene	ND		820	2	05/11/2025 00:07	WG2512038
1,4-Dichlorobenzene	ND		820	2	05/11/2025 00:07	WG2512038
3,3-Dichlorobenzidine	ND		820	2	05/11/2025 00:07	WG2512038
2,4-Dinitrotoluene	ND		820	2	05/11/2025 00:07	WG2512038
2,6-Dinitrotoluene	ND		820	2	05/11/2025 00:07	WG2512038
Hexachlorobenzene	ND		820	2	05/11/2025 00:07	WG2512038
Hexachloro-1,3-butadiene	ND		820	2	05/11/2025 00:07	WG2512038
Hexachlorocyclopentadiene	ND	C3	820	2	05/11/2025 00:07	WG2512038
Hexachloroethane	ND		820	2	05/11/2025 00:07	WG2512038
Isophorone	ND		820	2	05/11/2025 00:07	WG2512038
Nitrobenzene	ND		820	2	05/11/2025 00:07	WG2512038
n-Nitrosodimethylamine	ND		820	2	05/11/2025 00:07	WG2512038
n-Nitrosodiphenylamine	ND		820	2	05/11/2025 00:07	WG2512038
n-Nitrosodi-n-propylamine	ND	C3	820	2	05/11/2025 00:07	WG2512038
Phenanthrene	ND		82.0	2	05/11/2025 00:07	WG2512038
Benzylbutyl phthalate	ND		820	2	05/11/2025 00:07	WG2512038
Bis(2-ethylhexyl)phthalate	ND		820	2	05/11/2025 00:07	WG2512038
Di-n-butyl phthalate	ND		820	2	05/11/2025 00:07	WG2512038
Diethyl phthalate	ND		820	2	05/11/2025 00:07	WG2512038
Dimethyl phthalate	ND		820	2	05/11/2025 00:07	WG2512038
Di-n-octyl phthalate	ND		820	2	05/11/2025 00:07	WG2512038
1,2,4-Trichlorobenzene	ND		820	2	05/11/2025 00:07	WG2512038
4-Chloro-3-methylphenol	ND		820	2	05/11/2025 00:07	WG2512038
2-Chlorophenol	ND		820	2	05/11/2025 00:07	WG2512038
2,4-Dichlorophenol	ND		820	2	05/11/2025 00:07	WG2512038
2,4-Dimethylphenol	ND		820	2	05/11/2025 00:07	WG2512038
4,6-Dinitro-2-methylphenol	ND	J4	820	2	05/11/2025 00:07	WG2512038
2,4-Dinitrophenol	ND		820	2	05/11/2025 00:07	WG2512038
2-Nitrophenol	ND		820	2	05/11/2025 00:07	WG2512038
4-Nitrophenol	ND		820	2	05/11/2025 00:07	WG2512038
Pentachlorophenol	ND		820	2	05/11/2025 00:07	WG2512038
Phenol	ND		820	2	05/11/2025 00:07	WG2512038
2,4,6-Trichlorophenol	ND		820	2	05/11/2025 00:07	WG2512038
(S) 2-Fluorophenol	*76.5*		*12.0-120*		*05/11/2025 00:07*	WG2512038
(S) Phenol-d5	*60.6*		*10.0-120*		*05/11/2025 00:07*	WG2512038
(S) Nitrobenzene-d5	*55.7*		*10.0-122*		*05/11/2025 00:07*	WG2512038
(S) 2-Fluorobiphenyl	*69.5*		*15.0-120*		*05/11/2025 00:07*	WG2512038
(S) 2,4,6-Tribromophenol	*101*		*10.0-127*		*05/11/2025 00:07*	WG2512038
(S) p-Terphenyl-d14	*71.4*		*10.0-120*		*05/11/2025 00:07*	WG2512038

Sample Narrative:

L1857512-14 WG2512038: 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	1980000		25800	1	05/12/2025 11:32	WG2512150

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	77.5		1	05/10/2025 14:56	WG2512085

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		12900	1	05/12/2025 01:24	WG2512304

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	1980000		129000	5	05/12/2025 11:32	WG2512302

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		25800	1	05/10/2025 22:21	WG2512150

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	24100000		400000	4	05/12/2025 18:01	WG2512160

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	2310000		25800	1	05/10/2025 21:59	WG2512143
Antimony	ND		2580	1	05/10/2025 21:59	WG2512143
Beryllium	263		258	1	05/10/2025 21:59	WG2512143
Calcium	3370000		129000	1	05/10/2025 21:59	WG2512143
Cobalt	2280		1290	1	05/10/2025 21:59	WG2512143
Iron	4350000		12900	1	05/10/2025 21:59	WG2512143
Magnesium	1160000		129000	1	05/10/2025 21:59	WG2512143
Manganese	152000		1290	1	05/10/2025 21:59	WG2512143
Potassium	1210000		129000	1	05/10/2025 21:59	WG2512143
Sodium	ND		129000	1	05/10/2025 21:59	WG2512143
Thallium	ND		2580	1	05/10/2025 21:59	WG2512143
Vanadium	7560		2580	1	05/10/2025 21:59	WG2512143

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		79.2	1	05/10/2025 23:43	WG2512156
Acrylonitrile	ND	C3	19.8	1	05/10/2025 23:43	WG2512156
Bromobenzene	ND		19.8	1	05/10/2025 23:43	WG2512156
Bromodichloromethane	ND		3.96	1	05/10/2025 23:43	WG2512156
Bromoform	ND		39.6	1	05/10/2025 23:43	WG2512156
Bromomethane	ND		19.8	1	05/10/2025 23:43	WG2512156

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		19.8	1	05/10/2025 23:43	WG2512156
sec-Butylbenzene	ND		19.8	1	05/10/2025 23:43	WG2512156
tert-Butylbenzene	ND		7.92	1	05/10/2025 23:43	WG2512156
Carbon tetrachloride	ND		7.92	1	05/10/2025 23:43	WG2512156
Chlorobenzene	ND		3.96	1	05/10/2025 23:43	WG2512156
Chlorodibromomethane	ND		3.96	1	05/10/2025 23:43	WG2512156
Chloroethane	ND		7.92	1	05/10/2025 23:43	WG2512156
Chloroform	ND		3.96	1	05/10/2025 23:43	WG2512156
Chloromethane	ND	C3	19.8	1	05/10/2025 23:43	WG2512156
2-Chlorotoluene	ND		3.96	1	05/10/2025 23:43	WG2512156
4-Chlorotoluene	ND		7.92	1	05/10/2025 23:43	WG2512156
1,2-Dibromo-3-Chloropropane	ND	C3	39.6	1	05/10/2025 23:43	WG2512156
1,2-Dibromoethane	ND		3.96	1	05/10/2025 23:43	WG2512156
Dibromomethane	ND		7.92	1	05/10/2025 23:43	WG2512156
1,2-Dichlorobenzene	ND		7.92	1	05/10/2025 23:43	WG2512156
1,3-Dichlorobenzene	ND		7.92	1	05/10/2025 23:43	WG2512156
1,4-Dichlorobenzene	ND		7.92	1	05/10/2025 23:43	WG2512156
Dichlorodifluoromethane	ND		7.92	1	05/10/2025 23:43	WG2512156
1,1-Dichloroethane	ND		3.96	1	05/10/2025 23:43	WG2512156
1,2-Dichloroethane	ND		3.96	1	05/10/2025 23:43	WG2512156
1,1-Dichloroethene	ND		3.96	1	05/10/2025 23:43	WG2512156
cis-1,2-Dichloroethene	ND		3.96	1	05/10/2025 23:43	WG2512156
trans-1,2-Dichloroethene	ND		7.92	1	05/10/2025 23:43	WG2512156
1,2-Dichloropropane	ND		7.92	1	05/10/2025 23:43	WG2512156
1,1-Dichloropropene	ND		3.96	1	05/10/2025 23:43	WG2512156
1,3-Dichloropropane	ND		7.92	1	05/10/2025 23:43	WG2512156
cis-1,3-Dichloropropene	ND		3.96	1	05/10/2025 23:43	WG2512156
trans-1,3-Dichloropropene	ND		7.92	1	05/10/2025 23:43	WG2512156
2,2-Dichloropropane	ND		3.96	1	05/10/2025 23:43	WG2512156
Di-isopropyl ether	ND		1.58	1	05/10/2025 23:43	WG2512156
Hexachloro-1,3-butadiene	ND		39.6	1	05/10/2025 23:43	WG2512156
Isopropylbenzene	ND		3.96	1	05/10/2025 23:43	WG2512156
p-Isopropyltoluene	ND		7.92	1	05/10/2025 23:43	WG2512156
2-Butanone (MEK)	ND		158	1	05/10/2025 23:43	WG2512156
Methylene Chloride	ND		39.6	1	05/10/2025 23:43	WG2512156
4-Methyl-2-pentanone (MIBK)	ND	C3	39.6	1	05/10/2025 23:43	WG2512156
Methyl tert-butyl ether	ND		1.58	1	05/10/2025 23:43	WG2512156
n-Propylbenzene	ND		7.92	1	05/10/2025 23:43	WG2512156
Styrene	ND		19.8	1	05/10/2025 23:43	WG2512156
1,1,1,2-Tetrachloroethane	ND		3.96	1	05/10/2025 23:43	WG2512156
1,1,2,2-Tetrachloroethane	ND		3.96	1	05/10/2025 23:43	WG2512156
1,1,2-Trichlorotrifluoroethane	ND		3.96	1	05/10/2025 23:43	WG2512156
Tetrachloroethene	ND		3.96	1	05/10/2025 23:43	WG2512156
1,2,3-Trichlorobenzene	ND		19.8	1	05/10/2025 23:43	WG2512156
1,2,4-Trichlorobenzene	ND		19.8	1	05/10/2025 23:43	WG2512156
1,1,1-Trichloroethane	ND		3.96	1	05/10/2025 23:43	WG2512156
1,1,2-Trichloroethane	ND		3.96	1	05/10/2025 23:43	WG2512156
Trichloroethene	ND		1.58	1	05/10/2025 23:43	WG2512156
Trichlorofluoromethane	ND		3.96	1	05/10/2025 23:43	WG2512156
1,2,3-Trichloropropane	ND		19.8	1	05/10/2025 23:43	WG2512156
1,2,3-Trimethylbenzene	ND		7.92	1	05/10/2025 23:43	WG2512156
Vinyl chloride	ND		3.96	1	05/10/2025 23:43	WG2512156
(S) Toluene-d8	*96.5*		*75.0-131*		*05/10/2025 23:43*	WG2512156
(S) 4-Bromofluorobenzene	*94.3*		*67.0-138*		*05/10/2025 23:43*	WG2512156
(S) 1,2-Dichloroethane-d4	*114*		*70.0-130*		*05/10/2025 23:43*	WG2512156

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		86.0	2	05/11/2025 14:10	WG2512038
Benzidine	ND		4310	2	05/11/2025 14:10	WG2512038
Benzo(g,h,i)perylene	ND		86.0	2	05/11/2025 14:10	WG2512038
Bis(2-chlorethoxy)methane	ND	C4	860	2	05/11/2025 14:10	WG2512038
Bis(2-chloroethyl)ether	ND	C3	860	2	05/11/2025 14:10	WG2512038
2,2-Oxybis(1-Chloropropane)	ND		860	2	05/11/2025 14:10	WG2512038
4-Bromophenyl-phenylether	ND		860	2	05/11/2025 14:10	WG2512038
2-Chloronaphthalene	ND		86.0	2	05/11/2025 14:10	WG2512038
4-Chlorophenyl-phenylether	ND		860	2	05/11/2025 14:10	WG2512038
1,2-Dichlorobenzene	ND		860	2	05/11/2025 14:10	WG2512038
1,3-Dichlorobenzene	ND		860	2	05/11/2025 14:10	WG2512038
1,4-Dichlorobenzene	ND		860	2	05/11/2025 14:10	WG2512038
3,3-Dichlorobenzidine	ND		860	2	05/11/2025 14:10	WG2512038
2,4-Dinitrotoluene	ND		860	2	05/11/2025 14:10	WG2512038
2,6-Dinitrotoluene	ND		860	2	05/11/2025 14:10	WG2512038
Hexachlorobenzene	ND		860	2	05/11/2025 14:10	WG2512038
Hexachloro-1,3-butadiene	ND		860	2	05/11/2025 14:10	WG2512038
Hexachlorocyclopentadiene	ND	C7	860	2	05/11/2025 14:10	WG2512038
Hexachloroethane	ND		860	2	05/11/2025 14:10	WG2512038
Isophorone	ND		860	2	05/11/2025 14:10	WG2512038
Nitrobenzene	ND		860	2	05/11/2025 14:10	WG2512038
n-Nitrosodimethylamine	ND		860	2	05/11/2025 14:10	WG2512038
n-Nitrosodiphenylamine	ND		860	2	05/11/2025 14:10	WG2512038
n-Nitrosodi-n-propylamine	ND	C3	860	2	05/11/2025 14:10	WG2512038
Phenanthrene	ND		86.0	2	05/11/2025 14:10	WG2512038
Benzylbutyl phthalate	ND		860	2	05/11/2025 14:10	WG2512038
Bis(2-ethylhexyl)phthalate	ND		860	2	05/11/2025 14:10	WG2512038
Di-n-butyl phthalate	ND		860	2	05/11/2025 14:10	WG2512038
Diethyl phthalate	ND		860	2	05/11/2025 14:10	WG2512038
Dimethyl phthalate	ND		860	2	05/11/2025 14:10	WG2512038
Di-n-octyl phthalate	ND		860	2	05/11/2025 14:10	WG2512038
1,2,4-Trichlorobenzene	ND		860	2	05/11/2025 14:10	WG2512038
4-Chloro-3-methylphenol	ND		860	2	05/11/2025 14:10	WG2512038
2-Chlorophenol	ND		860	2	05/11/2025 14:10	WG2512038
2,4-Dichlorophenol	ND		860	2	05/11/2025 14:10	WG2512038
2,4-Dimethylphenol	ND	C3	860	2	05/11/2025 14:10	WG2512038
4,6-Dinitro-2-methylphenol	ND	J4	860	2	05/11/2025 14:10	WG2512038
2,4-Dinitrophenol	ND		860	2	05/11/2025 14:10	WG2512038
2-Nitrophenol	ND		860	2	05/11/2025 14:10	WG2512038
4-Nitrophenol	ND		860	2	05/11/2025 14:10	WG2512038
Pentachlorophenol	ND		860	2	05/11/2025 14:10	WG2512038
Phenol	ND	C3	860	2	05/11/2025 14:10	WG2512038
2,4,6-Trichlorophenol	ND		860	2	05/11/2025 14:10	WG2512038
(S) 2-Fluorophenol	*62.8*		*12.0-120*		*05/11/2025 14:10*	WG2512038
(S) Phenol-d5	*68.1*		*10.0-120*		*05/11/2025 14:10*	WG2512038
(S) Nitrobenzene-d5	*70.4*		*10.0-122*		*05/11/2025 14:10*	WG2512038
(S) 2-Fluorobiphenyl	*76.1*		*15.0-120*		*05/11/2025 14:10*	WG2512038
(S) 2,4,6-Tribromophenol	*87.7*		*10.0-127*		*05/11/2025 14:10*	WG2512038
(S) p-Terphenyl-d14	*77.9*		*10.0-120*		*05/11/2025 14:10*	WG2512038

Sample Narrative:

L1857512-15 WG2512038: 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	1840000		24400	1	05/12/2025 11:33	WG2512150

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.9		1	05/10/2025 14:56	WG2512085

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		12200	1	05/12/2025 01:25	WG2512304

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	1800000		122000	5	05/12/2025 11:33	WG2512302

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	34900		24400	1	05/10/2025 22:35	WG2512150

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	22600000		500000	5	05/13/2025 17:09	WG2512163

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	4040000		24400	1	05/10/2025 22:01	WG2512143
Antimony	ND		2440	1	05/10/2025 22:01	WG2512143
Beryllium	411		244	1	05/10/2025 22:01	WG2512143
Calcium	6500000		122000	1	05/10/2025 22:01	WG2512143
Cobalt	3530		1220	1	05/10/2025 22:01	WG2512143
Iron	6660000		12200	1	05/10/2025 22:01	WG2512143
Magnesium	2060000		122000	1	05/10/2025 22:01	WG2512143
Manganese	208000		1220	1	05/10/2025 22:01	WG2512143
Potassium	1860000		122000	1	05/10/2025 22:01	WG2512143
Sodium	279000		122000	1	05/10/2025 22:01	WG2512143
Thallium	ND		2440	1	05/10/2025 22:01	WG2512143
Vanadium	11600		2440	1	05/10/2025 22:01	WG2512143

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		72.1	1	05/11/2025 00:04	WG2512156
Acrylonitrile	ND	C3	18.0	1	05/11/2025 00:04	WG2512156
Bromobenzene	ND		18.0	1	05/11/2025 00:04	WG2512156
Bromodichloromethane	ND		3.60	1	05/11/2025 00:04	WG2512156
Bromoform	ND		36.0	1	05/11/2025 00:04	WG2512156
Bromomethane	ND		18.0	1	05/11/2025 00:04	WG2512156

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		18.0	1	05/11/2025 00:04	WG2512156
sec-Butylbenzene	ND		18.0	1	05/11/2025 00:04	WG2512156
tert-Butylbenzene	ND		7.21	1	05/11/2025 00:04	WG2512156
Carbon tetrachloride	ND		7.21	1	05/11/2025 00:04	WG2512156
Chlorobenzene	ND		3.60	1	05/11/2025 00:04	WG2512156
Chlorodibromomethane	ND		3.60	1	05/11/2025 00:04	WG2512156
Chloroethane	ND		7.21	1	05/11/2025 00:04	WG2512156
Chloroform	ND		3.60	1	05/11/2025 00:04	WG2512156
Chloromethane	ND	C3	18.0	1	05/11/2025 00:04	WG2512156
2-Chlorotoluene	ND		3.60	1	05/11/2025 00:04	WG2512156
4-Chlorotoluene	ND		7.21	1	05/11/2025 00:04	WG2512156
1,2-Dibromo-3-Chloropropane	ND	C3	36.0	1	05/11/2025 00:04	WG2512156
1,2-Dibromoethane	ND		3.60	1	05/11/2025 00:04	WG2512156
Dibromomethane	ND		7.21	1	05/11/2025 00:04	WG2512156
1,2-Dichlorobenzene	ND		7.21	1	05/11/2025 00:04	WG2512156
1,3-Dichlorobenzene	ND		7.21	1	05/11/2025 00:04	WG2512156
1,4-Dichlorobenzene	ND		7.21	1	05/11/2025 00:04	WG2512156
Dichlorodifluoromethane	ND		7.21	1	05/11/2025 00:04	WG2512156
1,1-Dichloroethane	ND		3.60	1	05/11/2025 00:04	WG2512156
1,2-Dichloroethane	ND		3.60	1	05/11/2025 00:04	WG2512156
1,1-Dichloroethene	ND		3.60	1	05/11/2025 00:04	WG2512156
cis-1,2-Dichloroethene	ND		3.60	1	05/11/2025 00:04	WG2512156
trans-1,2-Dichloroethene	ND		7.21	1	05/11/2025 00:04	WG2512156
1,2-Dichloropropane	ND		7.21	1	05/11/2025 00:04	WG2512156
1,1-Dichloropropene	ND		3.60	1	05/11/2025 00:04	WG2512156
1,3-Dichloropropane	ND		7.21	1	05/11/2025 00:04	WG2512156
cis-1,3-Dichloropropene	ND		3.60	1	05/11/2025 00:04	WG2512156
trans-1,3-Dichloropropene	ND		7.21	1	05/11/2025 00:04	WG2512156
2,2-Dichloropropane	ND		3.60	1	05/11/2025 00:04	WG2512156
Di-isopropyl ether	ND		1.44	1	05/11/2025 00:04	WG2512156
Hexachloro-1,3-butadiene	ND		36.0	1	05/11/2025 00:04	WG2512156
Isopropylbenzene	ND		3.60	1	05/11/2025 00:04	WG2512156
p-Isopropyltoluene	ND		7.21	1	05/11/2025 00:04	WG2512156
2-Butanone (MEK)	ND		144	1	05/11/2025 00:04	WG2512156
Methylene Chloride	ND		36.0	1	05/11/2025 00:04	WG2512156
4-Methyl-2-pentanone (MIBK)	ND	C3	36.0	1	05/11/2025 00:04	WG2512156
Methyl tert-butyl ether	ND		1.44	1	05/11/2025 00:04	WG2512156
n-Propylbenzene	ND		7.21	1	05/11/2025 00:04	WG2512156
Styrene	ND		18.0	1	05/11/2025 00:04	WG2512156
1,1,1,2-Tetrachloroethane	ND		3.60	1	05/11/2025 00:04	WG2512156
1,1,2,2-Tetrachloroethane	ND		3.60	1	05/11/2025 00:04	WG2512156
1,1,2-Trichlorotrifluoroethane	ND		3.60	1	05/11/2025 00:04	WG2512156
Tetrachloroethene	ND		3.60	1	05/11/2025 00:04	WG2512156
1,2,3-Trichlorobenzene	ND		18.0	1	05/11/2025 00:04	WG2512156
1,2,4-Trichlorobenzene	ND		18.0	1	05/11/2025 00:04	WG2512156
1,1,1-Trichloroethane	ND		3.60	1	05/11/2025 00:04	WG2512156
1,1,2-Trichloroethane	ND		3.60	1	05/11/2025 00:04	WG2512156
Trichloroethene	ND		1.44	1	05/11/2025 00:04	WG2512156
Trichlorofluoromethane	ND		3.60	1	05/11/2025 00:04	WG2512156
1,2,3-Trichloropropane	ND		18.0	1	05/11/2025 00:04	WG2512156
1,2,3-Trimethylbenzene	ND		7.21	1	05/11/2025 00:04	WG2512156
Vinyl chloride	ND		3.60	1	05/11/2025 00:04	WG2512156
(S) Toluene-d8	*97.6*		*75.0-131*		*05/11/2025 00:04*	WG2512156
(S) 4-Bromofluorobenzene	*96.7*		*67.0-138*		*05/11/2025 00:04*	WG2512156
(S) 1,2-Dichloroethane-d4	*117*		*70.0-130*		*05/11/2025 00:04*	WG2512156

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		81.3	2	05/10/2025 23:46	WG2512038
Benzidine	ND	C7	4080	2	05/10/2025 23:46	WG2512038
Benzo(g,h,i)perylene	ND		81.3	2	05/10/2025 23:46	WG2512038
Bis(2-chlorethoxy)methane	ND	C3	813	2	05/10/2025 23:46	WG2512038
Bis(2-chloroethyl)ether	ND		813	2	05/10/2025 23:46	WG2512038
2,2-Oxybis(1-Chloropropane)	ND		813	2	05/10/2025 23:46	WG2512038
4-Bromophenyl-phenylether	ND		813	2	05/10/2025 23:46	WG2512038
2-Chloronaphthalene	ND		81.3	2	05/10/2025 23:46	WG2512038
4-Chlorophenyl-phenylether	ND		813	2	05/10/2025 23:46	WG2512038
1,2-Dichlorobenzene	ND		813	2	05/10/2025 23:46	WG2512038
1,3-Dichlorobenzene	ND		813	2	05/10/2025 23:46	WG2512038
1,4-Dichlorobenzene	ND		813	2	05/10/2025 23:46	WG2512038
3,3-Dichlorobenzidine	ND		813	2	05/10/2025 23:46	WG2512038
2,4-Dinitrotoluene	ND		813	2	05/10/2025 23:46	WG2512038
2,6-Dinitrotoluene	ND		813	2	05/10/2025 23:46	WG2512038
Hexachlorobenzene	ND		813	2	05/10/2025 23:46	WG2512038
Hexachloro-1,3-butadiene	ND		813	2	05/10/2025 23:46	WG2512038
Hexachlorocyclopentadiene	ND	C3	813	2	05/10/2025 23:46	WG2512038
Hexachloroethane	ND		813	2	05/10/2025 23:46	WG2512038
Isophorone	ND		813	2	05/10/2025 23:46	WG2512038
Nitrobenzene	ND		813	2	05/10/2025 23:46	WG2512038
n-Nitrosodimethylamine	ND		813	2	05/10/2025 23:46	WG2512038
n-Nitrosodiphenylamine	ND		813	2	05/10/2025 23:46	WG2512038
n-Nitrosodi-n-propylamine	ND	C3	813	2	05/10/2025 23:46	WG2512038
Phenanthrene	ND		81.3	2	05/10/2025 23:46	WG2512038
Benzylbutyl phthalate	ND		813	2	05/10/2025 23:46	WG2512038
Bis(2-ethylhexyl)phthalate	ND		813	2	05/10/2025 23:46	WG2512038
Di-n-butyl phthalate	ND		813	2	05/10/2025 23:46	WG2512038
Diethyl phthalate	ND		813	2	05/10/2025 23:46	WG2512038
Dimethyl phthalate	ND		813	2	05/10/2025 23:46	WG2512038
Di-n-octyl phthalate	ND		813	2	05/10/2025 23:46	WG2512038
1,2,4-Trichlorobenzene	ND		813	2	05/10/2025 23:46	WG2512038
4-Chloro-3-methylphenol	ND		813	2	05/10/2025 23:46	WG2512038
2-Chlorophenol	ND		813	2	05/10/2025 23:46	WG2512038
2,4-Dichlorophenol	ND		813	2	05/10/2025 23:46	WG2512038
2,4-Dimethylphenol	ND		813	2	05/10/2025 23:46	WG2512038
4,6-Dinitro-2-methylphenol	ND	J4	813	2	05/10/2025 23:46	WG2512038
2,4-Dinitrophenol	ND		813	2	05/10/2025 23:46	WG2512038
2-Nitrophenol	ND		813	2	05/10/2025 23:46	WG2512038
4-Nitrophenol	ND		813	2	05/10/2025 23:46	WG2512038
Pentachlorophenol	ND		813	2	05/10/2025 23:46	WG2512038
Phenol	ND		813	2	05/10/2025 23:46	WG2512038
2,4,6-Trichlorophenol	ND		813	2	05/10/2025 23:46	WG2512038
(S) 2-Fluorophenol	*73.0*		*12.0-120*		*05/10/2025 23:46*	WG2512038
(S) Phenol-d5	*63.4*		*10.0-120*		*05/10/2025 23:46*	WG2512038
(S) Nitrobenzene-d5	*56.7*		*10.0-122*		*05/10/2025 23:46*	WG2512038
(S) 2-Fluorobiphenyl	*71.8*		*15.0-120*		*05/10/2025 23:46*	WG2512038
(S) 2,4,6-Tribromophenol	*100*		*10.0-127*		*05/10/2025 23:46*	WG2512038
(S) p-Terphenyl-d14	*78.0*		*10.0-120*		*05/10/2025 23:46*	WG2512038

Sample Narrative:

L1857512-16 WG2512038: 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	05/10/2025 16:53	WG2512002
Acrolein	ND	C3	50.0	1	05/10/2025 16:53	WG2512002
Acrylonitrile	ND		10.0	1	05/10/2025 16:53	WG2512002
Benzene	ND		1.00	1	05/10/2025 16:53	WG2512002
Bromobenzene	ND		1.00	1	05/10/2025 16:53	WG2512002
Bromodichloromethane	ND		1.00	1	05/10/2025 16:53	WG2512002
Bromoform	ND		1.00	1	05/10/2025 16:53	WG2512002
Bromomethane	ND		5.00	1	05/10/2025 16:53	WG2512002
n-Butylbenzene	ND		1.00	1	05/10/2025 16:53	WG2512002
sec-Butylbenzene	ND		1.00	1	05/10/2025 16:53	WG2512002
tert-Butylbenzene	ND		1.00	1	05/10/2025 16:53	WG2512002
Carbon tetrachloride	ND		1.00	1	05/10/2025 16:53	WG2512002
Chlorobenzene	ND		1.00	1	05/10/2025 16:53	WG2512002
Chlorodibromomethane	ND		1.00	1	05/10/2025 16:53	WG2512002
Chloroethane	ND		5.00	1	05/10/2025 16:53	WG2512002
Chloroform	ND		5.00	1	05/10/2025 16:53	WG2512002
Chloromethane	ND		2.50	1	05/10/2025 16:53	WG2512002
2-Chlorotoluene	ND		1.00	1	05/10/2025 16:53	WG2512002
4-Chlorotoluene	ND		1.00	1	05/10/2025 16:53	WG2512002
1,2-Dibromo-3-Chloropropane	ND		5.00	1	05/10/2025 16:53	WG2512002
1,2-Dibromoethane	ND		1.00	1	05/10/2025 16:53	WG2512002
Dibromomethane	ND		1.00	1	05/10/2025 16:53	WG2512002
1,2-Dichlorobenzene	ND		1.00	1	05/10/2025 16:53	WG2512002
1,3-Dichlorobenzene	ND		1.00	1	05/10/2025 16:53	WG2512002
1,4-Dichlorobenzene	ND		1.00	1	05/10/2025 16:53	WG2512002
Dichlorodifluoromethane	ND		5.00	1	05/10/2025 16:53	WG2512002
1,1-Dichloroethane	ND		1.00	1	05/10/2025 16:53	WG2512002
1,2-Dichloroethane	ND		1.00	1	05/10/2025 16:53	WG2512002
1,1-Dichloroethene	ND		1.00	1	05/10/2025 16:53	WG2512002
cis-1,2-Dichloroethene	ND		1.00	1	05/10/2025 16:53	WG2512002
trans-1,2-Dichloroethene	ND		1.00	1	05/10/2025 16:53	WG2512002
1,2-Dichloropropane	ND		1.00	1	05/10/2025 16:53	WG2512002
1,1-Dichloropropene	ND		1.00	1	05/10/2025 16:53	WG2512002
1,3-Dichloropropane	ND		1.00	1	05/10/2025 16:53	WG2512002
cis-1,3-Dichloropropene	ND		1.00	1	05/10/2025 16:53	WG2512002
trans-1,3-Dichloropropene	ND		1.00	1	05/10/2025 16:53	WG2512002
2,2-Dichloropropane	ND		1.00	1	05/10/2025 16:53	WG2512002
Di-isopropyl ether	ND		1.00	1	05/10/2025 16:53	WG2512002
Ethylbenzene	ND		1.00	1	05/10/2025 16:53	WG2512002
Hexachloro-1,3-butadiene	ND		1.00	1	05/10/2025 16:53	WG2512002
Isopropylbenzene	ND		1.00	1	05/10/2025 16:53	WG2512002
p-Isopropyltoluene	ND		1.00	1	05/10/2025 16:53	WG2512002
2-Butanone (MEK)	ND		10.0	1	05/10/2025 16:53	WG2512002
Methylene Chloride	ND		5.00	1	05/10/2025 16:53	WG2512002
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	05/10/2025 16:53	WG2512002
Methyl tert-butyl ether	ND		1.00	1	05/10/2025 16:53	WG2512002
Naphthalene	ND	C3	5.00	1	05/10/2025 16:53	WG2512002
n-Propylbenzene	ND		1.00	1	05/10/2025 16:53	WG2512002
Styrene	ND		1.00	1	05/10/2025 16:53	WG2512002
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/10/2025 16:53	WG2512002
1,1,2,2-Tetrachloroethane	ND		1.00	1	05/10/2025 16:53	WG2512002
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	05/10/2025 16:53	WG2512002
Tetrachloroethene	ND		1.00	1	05/10/2025 16:53	WG2512002
Toluene	ND		1.00	1	05/10/2025 16:53	WG2512002
1,2,3-Trichlorobenzene	ND	C3	1.00	1	05/10/2025 16:53	WG2512002
1,2,4-Trichlorobenzene	ND		1.00	1	05/10/2025 16:53	WG2512002

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	05/10/2025 16:53	WG2512002
1,1,2-Trichloroethane	ND		1.00	1	05/10/2025 16:53	WG2512002
Trichloroethene	ND		1.00	1	05/10/2025 16:53	WG2512002
Trichlorofluoromethane	ND		5.00	1	05/10/2025 16:53	WG2512002
1,2,3-Trichloropropane	ND		2.50	1	05/10/2025 16:53	WG2512002
1,2,4-Trimethylbenzene	ND		1.00	1	05/10/2025 16:53	WG2512002
1,2,3-Trimethylbenzene	ND		1.00	1	05/10/2025 16:53	WG2512002
1,3,5-Trimethylbenzene	ND		1.00	1	05/10/2025 16:53	WG2512002
Vinyl chloride	ND		1.00	1	05/10/2025 16:53	WG2512002
Xylenes, Total	ND		3.00	1	05/10/2025 16:53	WG2512002
(S) Toluene-d8	*107*		*80.0-120*		*05/10/2025 16:53*	WG2512002
(S) 4-Bromofluorobenzene	*98.7*		*77.0-126*		*05/10/2025 16:53*	WG2512002
(S) 1,2-Dichloroethane-d4	*115*		*70.0-130*		*05/10/2025 16:53*	WG2512002

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	2250000		120000	1	05/12/2025 11:34	WG2512150

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.4		1	05/10/2025 14:56	WG2512085

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	05/12/2025 01:27	WG2512304

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	2100000		120000	5	05/12/2025 11:34	WG2512302

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	153000		120000	5	05/10/2025 22:48	WG2512150

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	27400000		500000	5	05/12/2025 18:02	WG2512160

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	3840000		24000	1	05/10/2025 22:03	WG2512143
Antimony	ND		2400	1	05/10/2025 22:03	WG2512143
Beryllium	490		240	1	05/10/2025 22:03	WG2512143
Calcium	13100000		120000	1	05/10/2025 22:03	WG2512143
Cobalt	3920		1200	1	05/10/2025 22:03	WG2512143
Iron	6200000		12000	1	05/10/2025 22:03	WG2512143
Magnesium	2450000		120000	1	05/10/2025 22:03	WG2512143
Manganese	240000		1200	1	05/10/2025 22:03	WG2512143
Potassium	1610000		120000	1	05/10/2025 22:03	WG2512143
Sodium	382000		120000	1	05/10/2025 22:03	WG2512143
Thallium	ND		2400	1	05/10/2025 22:03	WG2512143
Vanadium	12800		2400	1	05/10/2025 22:03	WG2512143

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	05/11/2025 00:25	WG2512156
Acrylonitrile	ND	C3	17.5	1	05/11/2025 00:25	WG2512156
Bromobenzene	ND		17.5	1	05/11/2025 00:25	WG2512156
Bromodichloromethane	ND		3.50	1	05/11/2025 00:25	WG2512156
Bromoform	ND		35.0	1	05/11/2025 00:25	WG2512156
Bromomethane	ND		17.5	1	05/11/2025 00:25	WG2512156

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	05/11/2025 00:25	WG2512156
sec-Butylbenzene	ND		17.5	1	05/11/2025 00:25	WG2512156
tert-Butylbenzene	ND		6.99	1	05/11/2025 00:25	WG2512156
Carbon tetrachloride	ND		6.99	1	05/11/2025 00:25	WG2512156
Chlorobenzene	ND		3.50	1	05/11/2025 00:25	WG2512156
Chlorodibromomethane	ND		3.50	1	05/11/2025 00:25	WG2512156
Chloroethane	ND		6.99	1	05/11/2025 00:25	WG2512156
Chloroform	ND		3.50	1	05/11/2025 00:25	WG2512156
Chloromethane	ND	C3	17.5	1	05/11/2025 00:25	WG2512156
2-Chlorotoluene	ND		3.50	1	05/11/2025 00:25	WG2512156
4-Chlorotoluene	ND		6.99	1	05/11/2025 00:25	WG2512156
1,2-Dibromo-3-Chloropropane	ND	C3	35.0	1	05/11/2025 00:25	WG2512156
1,2-Dibromoethane	ND		3.50	1	05/11/2025 00:25	WG2512156
Dibromomethane	ND		6.99	1	05/11/2025 00:25	WG2512156
1,2-Dichlorobenzene	ND		6.99	1	05/11/2025 00:25	WG2512156
1,3-Dichlorobenzene	ND		6.99	1	05/11/2025 00:25	WG2512156
1,4-Dichlorobenzene	ND		6.99	1	05/11/2025 00:25	WG2512156
Dichlorodifluoromethane	ND		6.99	1	05/11/2025 00:25	WG2512156
1,1-Dichloroethane	ND		3.50	1	05/11/2025 00:25	WG2512156
1,2-Dichloroethane	ND		3.50	1	05/11/2025 00:25	WG2512156
1,1-Dichloroethene	ND		3.50	1	05/11/2025 00:25	WG2512156
cis-1,2-Dichloroethene	ND		3.50	1	05/11/2025 00:25	WG2512156
trans-1,2-Dichloroethene	ND		6.99	1	05/11/2025 00:25	WG2512156
1,2-Dichloropropane	ND		6.99	1	05/11/2025 00:25	WG2512156
1,1-Dichloropropene	ND		3.50	1	05/11/2025 00:25	WG2512156
1,3-Dichloropropane	ND		6.99	1	05/11/2025 00:25	WG2512156
cis-1,3-Dichloropropene	ND		3.50	1	05/11/2025 00:25	WG2512156
trans-1,3-Dichloropropene	ND		6.99	1	05/11/2025 00:25	WG2512156
2,2-Dichloropropane	ND		3.50	1	05/11/2025 00:25	WG2512156
Di-isopropyl ether	ND		1.40	1	05/11/2025 00:25	WG2512156
Hexachloro-1,3-butadiene	ND		35.0	1	05/11/2025 00:25	WG2512156
Isopropylbenzene	ND		3.50	1	05/11/2025 00:25	WG2512156
p-Isopropyltoluene	ND		6.99	1	05/11/2025 00:25	WG2512156
2-Butanone (MEK)	ND		140	1	05/11/2025 00:25	WG2512156
Methylene Chloride	ND		35.0	1	05/11/2025 00:25	WG2512156
4-Methyl-2-pentanone (MIBK)	ND	C3	35.0	1	05/11/2025 00:25	WG2512156
Methyl tert-butyl ether	ND		1.40	1	05/11/2025 00:25	WG2512156
n-Propylbenzene	ND		6.99	1	05/11/2025 00:25	WG2512156
Styrene	ND		17.5	1	05/11/2025 00:25	WG2512156
1,1,1,2-Tetrachloroethane	ND		3.50	1	05/11/2025 00:25	WG2512156
1,1,2,2-Tetrachloroethane	ND		3.50	1	05/11/2025 00:25	WG2512156
1,1,2-Trichlorotrifluoroethane	ND		3.50	1	05/11/2025 00:25	WG2512156
Tetrachloroethene	ND		3.50	1	05/11/2025 00:25	WG2512156
1,2,3-Trichlorobenzene	ND		17.5	1	05/11/2025 00:25	WG2512156
1,2,4-Trichlorobenzene	ND		17.5	1	05/11/2025 00:25	WG2512156
1,1,1-Trichloroethane	ND		3.50	1	05/11/2025 00:25	WG2512156
1,1,2-Trichloroethane	ND		3.50	1	05/11/2025 00:25	WG2512156
Trichloroethene	ND		1.40	1	05/11/2025 00:25	WG2512156
Trichlorofluoromethane	ND		3.50	1	05/11/2025 00:25	WG2512156
1,2,3-Trichloropropane	ND		17.5	1	05/11/2025 00:25	WG2512156
1,2,3-Trimethylbenzene	ND		6.99	1	05/11/2025 00:25	WG2512156
Vinyl chloride	ND		3.50	1	05/11/2025 00:25	WG2512156
(S) Toluene-d8	*99.7*		*75.0-131*		*05/11/2025 00:25*	WG2512156
(S) 4-Bromofluorobenzene	*95.9*		*67.0-138*		*05/11/2025 00:25*	WG2512156
(S) 1,2-Dichloroethane-d4	*111*		*70.0-130*		*05/11/2025 00:25*	WG2512156

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		79.9	2	05/11/2025 18:22	WG2512038
Benzidine	ND		4000	2	05/11/2025 18:22	WG2512038
Benzo(g,h,i)perylene	ND		79.9	2	05/11/2025 18:22	WG2512038
Bis(2-chlorethoxy)methane	ND	C4	799	2	05/11/2025 18:22	WG2512038
Bis(2-chloroethyl)ether	ND	C3	799	2	05/11/2025 18:22	WG2512038
2,2-Oxybis(1-Chloropropane)	ND		799	2	05/11/2025 18:22	WG2512038
4-Bromophenyl-phenylether	ND		799	2	05/11/2025 18:22	WG2512038
2-Chloronaphthalene	ND		79.9	2	05/11/2025 18:22	WG2512038
4-Chlorophenyl-phenylether	ND		799	2	05/11/2025 18:22	WG2512038
1,2-Dichlorobenzene	ND		799	2	05/11/2025 18:22	WG2512038
1,3-Dichlorobenzene	ND		799	2	05/11/2025 18:22	WG2512038
1,4-Dichlorobenzene	ND		799	2	05/11/2025 18:22	WG2512038
3,3-Dichlorobenzidine	ND		799	2	05/11/2025 18:22	WG2512038
2,4-Dinitrotoluene	ND		799	2	05/11/2025 18:22	WG2512038
2,6-Dinitrotoluene	ND		799	2	05/11/2025 18:22	WG2512038
Hexachlorobenzene	ND		799	2	05/11/2025 18:22	WG2512038
Hexachloro-1,3-butadiene	ND		799	2	05/11/2025 18:22	WG2512038
Hexachlorocyclopentadiene	ND	C7	799	2	05/11/2025 18:22	WG2512038
Hexachloroethane	ND		799	2	05/11/2025 18:22	WG2512038
Isophorone	ND		799	2	05/11/2025 18:22	WG2512038
Nitrobenzene	ND		799	2	05/11/2025 18:22	WG2512038
n-Nitrosodimethylamine	ND		799	2	05/11/2025 18:22	WG2512038
n-Nitrosodiphenylamine	ND		799	2	05/11/2025 18:22	WG2512038
n-Nitrosodi-n-propylamine	ND	C3	799	2	05/11/2025 18:22	WG2512038
Phenanthrene	ND		79.9	2	05/11/2025 18:22	WG2512038
Benzylbutyl phthalate	ND		799	2	05/11/2025 18:22	WG2512038
Bis(2-ethylhexyl)phthalate	ND		799	2	05/11/2025 18:22	WG2512038
Di-n-butyl phthalate	ND		799	2	05/11/2025 18:22	WG2512038
Diethyl phthalate	ND		799	2	05/11/2025 18:22	WG2512038
Dimethyl phthalate	ND		799	2	05/11/2025 18:22	WG2512038
Di-n-octyl phthalate	ND		799	2	05/11/2025 18:22	WG2512038
1,2,4-Trichlorobenzene	ND		799	2	05/11/2025 18:22	WG2512038
4-Chloro-3-methylphenol	ND		799	2	05/11/2025 18:22	WG2512038
2-Chlorophenol	ND		799	2	05/11/2025 18:22	WG2512038
2,4-Dichlorophenol	ND		799	2	05/11/2025 18:22	WG2512038
2,4-Dimethylphenol	ND	C3	799	2	05/11/2025 18:22	WG2512038
4,6-Dinitro-2-methylphenol	ND	J4	799	2	05/11/2025 18:22	WG2512038
2,4-Dinitrophenol	ND		799	2	05/11/2025 18:22	WG2512038
2-Nitrophenol	ND		799	2	05/11/2025 18:22	WG2512038
4-Nitrophenol	ND		799	2	05/11/2025 18:22	WG2512038
Pentachlorophenol	ND		799	2	05/11/2025 18:22	WG2512038
Phenol	ND	C3	799	2	05/11/2025 18:22	WG2512038
2,4,6-Trichlorophenol	ND		799	2	05/11/2025 18:22	WG2512038
(S) 2-Fluorophenol	*71.5*		*12.0-120*		*05/11/2025 18:22*	WG2512038
(S) Phenol-d5	*66.5*		*10.0-120*		*05/11/2025 18:22*	WG2512038
(S) Nitrobenzene-d5	*72.6*		*10.0-122*		*05/11/2025 18:22*	WG2512038
(S) 2-Fluorobiphenyl	*75.4*		*15.0-120*		*05/11/2025 18:22*	WG2512038
(S) 2,4,6-Tribromophenol	*86.3*		*10.0-127*		*05/11/2025 18:22*	WG2512038
(S) p-Terphenyl-d14	*77.3*		*10.0-120*		*05/11/2025 18:22*	WG2512038

Sample Narrative:

L1857512-18 WG2512038: 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	1790000		119000	1	05/12/2025 11:35	WG2512150

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.0		1	05/10/2025 14:56	WG2512085

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	05/12/2025 01:34	WG2512304

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		119000	5	05/12/2025 11:35	WG2512302

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		119000	5	05/10/2025 23:02	WG2512150

Sample Narrative:

L1857512-19 WG2512150: 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	30900000		500000	5	05/12/2025 18:02	WG2512160

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	4500000		23800	1	05/10/2025 22:05	WG2512143
Antimony	ND		2380	1	05/10/2025 22:05	WG2512143
Beryllium	457		238	1	05/10/2025 22:05	WG2512143
Calcium	6670000		119000	1	05/10/2025 22:05	WG2512143
Cobalt	3580		1190	1	05/10/2025 22:05	WG2512143
Iron	6630000		11900	1	05/10/2025 22:05	WG2512143
Magnesium	2080000		119000	1	05/10/2025 22:05	WG2512143
Manganese	209000		1190	1	05/10/2025 22:05	WG2512143
Potassium	1800000		119000	1	05/10/2025 22:05	WG2512143
Sodium	279000		119000	1	05/10/2025 22:05	WG2512143
Thallium	ND		2380	1	05/10/2025 22:05	WG2512143
Vanadium	13500		2380	1	05/10/2025 22:05	WG2512143

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	05/11/2025 00:45	WG2512156
Acrylonitrile	ND	C3	17.2	1	05/11/2025 00:45	WG2512156
Bromobenzene	ND		17.2	1	05/11/2025 00:45	WG2512156

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		3.45	1	05/11/2025 00:45	WG2512156
Bromoform	ND		34.5	1	05/11/2025 00:45	WG2512156
Bromomethane	ND		17.2	1	05/11/2025 00:45	WG2512156
n-Butylbenzene	ND		17.2	1	05/11/2025 00:45	WG2512156
sec-Butylbenzene	ND		17.2	1	05/11/2025 00:45	WG2512156
tert-Butylbenzene	ND		6.90	1	05/11/2025 00:45	WG2512156
Carbon tetrachloride	ND		6.90	1	05/11/2025 00:45	WG2512156
Chlorobenzene	ND		3.45	1	05/11/2025 00:45	WG2512156
Chlorodibromomethane	ND		3.45	1	05/11/2025 00:45	WG2512156
Chloroethane	ND		6.90	1	05/11/2025 00:45	WG2512156
Chloroform	ND		3.45	1	05/11/2025 00:45	WG2512156
Chloromethane	ND	C3	17.2	1	05/11/2025 00:45	WG2512156
2-Chlorotoluene	ND		3.45	1	05/11/2025 00:45	WG2512156
4-Chlorotoluene	ND		6.90	1	05/11/2025 00:45	WG2512156
1,2-Dibromo-3-Chloropropane	ND	C3	34.5	1	05/11/2025 00:45	WG2512156
1,2-Dibromoethane	ND		3.45	1	05/11/2025 00:45	WG2512156
Dibromomethane	ND		6.90	1	05/11/2025 00:45	WG2512156
1,2-Dichlorobenzene	ND		6.90	1	05/11/2025 00:45	WG2512156
1,3-Dichlorobenzene	ND		6.90	1	05/11/2025 00:45	WG2512156
1,4-Dichlorobenzene	ND		6.90	1	05/11/2025 00:45	WG2512156
Dichlorodifluoromethane	ND		6.90	1	05/11/2025 00:45	WG2512156
1,1-Dichloroethane	ND		3.45	1	05/11/2025 00:45	WG2512156
1,2-Dichloroethane	ND		3.45	1	05/11/2025 00:45	WG2512156
1,1-Dichloroethene	ND		3.45	1	05/11/2025 00:45	WG2512156
cis-1,2-Dichloroethene	ND		3.45	1	05/11/2025 00:45	WG2512156
trans-1,2-Dichloroethene	ND		6.90	1	05/11/2025 00:45	WG2512156
1,2-Dichloropropane	ND		6.90	1	05/11/2025 00:45	WG2512156
1,1-Dichloropropene	ND		3.45	1	05/11/2025 00:45	WG2512156
1,3-Dichloropropane	ND		6.90	1	05/11/2025 00:45	WG2512156
cis-1,3-Dichloropropene	ND		3.45	1	05/11/2025 00:45	WG2512156
trans-1,3-Dichloropropene	ND		6.90	1	05/11/2025 00:45	WG2512156
2,2-Dichloropropane	ND		3.45	1	05/11/2025 00:45	WG2512156
Di-isopropyl ether	ND		1.38	1	05/11/2025 00:45	WG2512156
Hexachloro-1,3-butadiene	ND		34.5	1	05/11/2025 00:45	WG2512156
Isopropylbenzene	ND		3.45	1	05/11/2025 00:45	WG2512156
p-Isopropyltoluene	ND		6.90	1	05/11/2025 00:45	WG2512156
2-Butanone (MEK)	ND		138	1	05/11/2025 00:45	WG2512156
Methylene Chloride	ND		34.5	1	05/11/2025 00:45	WG2512156
4-Methyl-2-pentanone (MIBK)	ND	C3	34.5	1	05/11/2025 00:45	WG2512156
Methyl tert-butyl ether	ND		1.38	1	05/11/2025 00:45	WG2512156
n-Propylbenzene	ND		6.90	1	05/11/2025 00:45	WG2512156
Styrene	ND		17.2	1	05/11/2025 00:45	WG2512156
1,1,1,2-Tetrachloroethane	ND		3.45	1	05/11/2025 00:45	WG2512156
1,1,2,2-Tetrachloroethane	ND		3.45	1	05/11/2025 00:45	WG2512156
1,1,2-Trichlorotrifluoroethane	ND		3.45	1	05/11/2025 00:45	WG2512156
Tetrachloroethene	ND		3.45	1	05/11/2025 00:45	WG2512156
1,2,3-Trichlorobenzene	ND		17.2	1	05/11/2025 00:45	WG2512156
1,2,4-Trichlorobenzene	ND		17.2	1	05/11/2025 00:45	WG2512156
1,1,1-Trichloroethane	ND		3.45	1	05/11/2025 00:45	WG2512156
1,1,2-Trichloroethane	ND		3.45	1	05/11/2025 00:45	WG2512156
Trichloroethene	ND		1.38	1	05/11/2025 00:45	WG2512156
Trichlorofluoromethane	ND		3.45	1	05/11/2025 00:45	WG2512156
1,2,3-Trichloropropane	ND		17.2	1	05/11/2025 00:45	WG2512156
1,2,3-Trimethylbenzene	ND		6.90	1	05/11/2025 00:45	WG2512156
Vinyl chloride	ND		3.45	1	05/11/2025 00:45	WG2512156
(S) Toluene-d8	*98.7*		*75.0-131*		*05/11/2025 00:45*	WG2512156

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	*95.7*		*67.0-138*		*05/11/2025 00:45*	WG2512156
(S) 1,2-Dichloroethane-d4	*115*		*70.0-130*		*05/11/2025 00:45*	WG2512156

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	05/11/2025 18:42	WG2512038
Benzidine	ND		3970	2	05/11/2025 18:42	WG2512038
Benzo(g,h,i)perylene	ND		79.2	2	05/11/2025 18:42	WG2512038
Bis(2-chlorethoxy)methane	ND	C4	792	2	05/11/2025 18:42	WG2512038
Bis(2-chloroethyl)ether	ND	C3	792	2	05/11/2025 18:42	WG2512038
2,2-Oxybis(1-Chloropropane)	ND		792	2	05/11/2025 18:42	WG2512038
4-Bromophenyl-phenylether	ND		792	2	05/11/2025 18:42	WG2512038
2-Chloronaphthalene	ND		79.2	2	05/11/2025 18:42	WG2512038
4-Chlorophenyl-phenylether	ND		792	2	05/11/2025 18:42	WG2512038
1,2-Dichlorobenzene	ND		792	2	05/11/2025 18:42	WG2512038
1,3-Dichlorobenzene	ND		792	2	05/11/2025 18:42	WG2512038
1,4-Dichlorobenzene	ND		792	2	05/11/2025 18:42	WG2512038
3,3-Dichlorobenzidine	ND		792	2	05/11/2025 18:42	WG2512038
2,4-Dinitrotoluene	ND		792	2	05/11/2025 18:42	WG2512038
2,6-Dinitrotoluene	ND		792	2	05/11/2025 18:42	WG2512038
Hexachlorobenzene	ND		792	2	05/11/2025 18:42	WG2512038
Hexachloro-1,3-butadiene	ND		792	2	05/11/2025 18:42	WG2512038
Hexachlorocyclopentadiene	ND	C7	792	2	05/11/2025 18:42	WG2512038
Hexachloroethane	ND		792	2	05/11/2025 18:42	WG2512038
Isophorone	ND		792	2	05/11/2025 18:42	WG2512038
Nitrobenzene	ND		792	2	05/11/2025 18:42	WG2512038
n-Nitrosodimethylamine	ND		792	2	05/11/2025 18:42	WG2512038
n-Nitrosodiphenylamine	ND		792	2	05/11/2025 18:42	WG2512038
n-Nitrosodi-n-propylamine	ND	C3	792	2	05/11/2025 18:42	WG2512038
Phenanthrene	ND		79.2	2	05/11/2025 18:42	WG2512038
Benzylbutyl phthalate	ND		792	2	05/11/2025 18:42	WG2512038
Bis(2-ethylhexyl)phthalate	ND		792	2	05/11/2025 18:42	WG2512038
Di-n-butyl phthalate	ND		792	2	05/11/2025 18:42	WG2512038
Diethyl phthalate	ND		792	2	05/11/2025 18:42	WG2512038
Dimethyl phthalate	ND		792	2	05/11/2025 18:42	WG2512038
Di-n-octyl phthalate	ND		792	2	05/11/2025 18:42	WG2512038
1,2,4-Trichlorobenzene	ND		792	2	05/11/2025 18:42	WG2512038
4-Chloro-3-methylphenol	ND		792	2	05/11/2025 18:42	WG2512038
2-Chlorophenol	ND		792	2	05/11/2025 18:42	WG2512038
2,4-Dichlorophenol	ND		792	2	05/11/2025 18:42	WG2512038
2,4-Dimethylphenol	ND	C3	792	2	05/11/2025 18:42	WG2512038
4,6-Dinitro-2-methylphenol	ND	J4	792	2	05/11/2025 18:42	WG2512038
2,4-Dinitrophenol	ND		792	2	05/11/2025 18:42	WG2512038
2-Nitrophenol	ND		792	2	05/11/2025 18:42	WG2512038
4-Nitrophenol	ND		792	2	05/11/2025 18:42	WG2512038
Pentachlorophenol	ND		792	2	05/11/2025 18:42	WG2512038
Phenol	ND	C3	792	2	05/11/2025 18:42	WG2512038
2,4,6-Trichlorophenol	ND		792	2	05/11/2025 18:42	WG2512038
(S) 2-Fluorophenol	*69.6*		*12.0-120*		*05/11/2025 18:42*	WG2512038
(S) Phenol-d5	*63.2*		*10.0-120*		*05/11/2025 18:42*	WG2512038
(S) Nitrobenzene-d5	*69.5*		*10.0-122*		*05/11/2025 18:42*	WG2512038
(S) 2-Fluorobiphenyl	*74.2*		*15.0-120*		*05/11/2025 18:42*	WG2512038
(S) 2,4,6-Tribromophenol	*89.1*		*10.0-127*		*05/11/2025 18:42*	WG2512038
(S) p-Terphenyl-d14	*72.9*		*10.0-120*		*05/11/2025 18:42*	WG2512038

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:

L1857512-19 WG2512038: 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	2020000		121000	1	05/12/2025 11:37	WG2512150

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	82.6		1	05/10/2025 14:56	WG2512085

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		12100	1	05/12/2025 01:36	WG2512304

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		121000	5	05/12/2025 11:37	WG2512302

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		121000	5	05/10/2025 23:42	WG2512150

Sample Narrative:

L1857512-20 WG2512150: 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	22800000		500000	5	05/12/2025 18:02	WG2512160

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	4390000		24200	1	05/10/2025 22:07	WG2512143
Antimony	ND		2420	1	05/10/2025 22:07	WG2512143
Beryllium	536		242	1	05/10/2025 22:07	WG2512143
Calcium	6900000		121000	1	05/10/2025 22:07	WG2512143
Cobalt	4090		1210	1	05/10/2025 22:07	WG2512143
Iron	6650000		12100	1	05/10/2025 22:07	WG2512143
Magnesium	2110000		121000	1	05/10/2025 22:07	WG2512143
Manganese	246000		1210	1	05/10/2025 22:07	WG2512143
Potassium	1610000		121000	1	05/10/2025 22:07	WG2512143
Sodium	233000		121000	1	05/10/2025 22:07	WG2512143
Thallium	ND		2420	1	05/10/2025 22:07	WG2512143
Vanadium	13100		2420	1	05/10/2025 22:07	WG2512143

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		71.1	1	05/11/2025 01:06	WG2512156
Acrylonitrile	ND	C3	17.8	1	05/11/2025 01:06	WG2512156
Bromobenzene	ND		17.8	1	05/11/2025 01:06	WG2512156

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		3.55	1	05/11/2025 01:06	WG2512156
Bromoform	ND		35.5	1	05/11/2025 01:06	WG2512156
Bromomethane	ND		17.8	1	05/11/2025 01:06	WG2512156
n-Butylbenzene	ND		17.8	1	05/11/2025 01:06	WG2512156
sec-Butylbenzene	ND		17.8	1	05/11/2025 01:06	WG2512156
tert-Butylbenzene	ND		7.11	1	05/11/2025 01:06	WG2512156
Carbon tetrachloride	ND		7.11	1	05/11/2025 01:06	WG2512156
Chlorobenzene	ND		3.55	1	05/11/2025 01:06	WG2512156
Chlorodibromomethane	ND		3.55	1	05/11/2025 01:06	WG2512156
Chloroethane	ND		7.11	1	05/11/2025 01:06	WG2512156
Chloroform	ND		3.55	1	05/11/2025 01:06	WG2512156
Chloromethane	ND	C3	17.8	1	05/11/2025 01:06	WG2512156
2-Chlorotoluene	ND		3.55	1	05/11/2025 01:06	WG2512156
4-Chlorotoluene	ND		7.11	1	05/11/2025 01:06	WG2512156
1,2-Dibromo-3-Chloropropane	ND	C3	35.5	1	05/11/2025 01:06	WG2512156
1,2-Dibromoethane	ND		3.55	1	05/11/2025 01:06	WG2512156
Dibromomethane	ND		7.11	1	05/11/2025 01:06	WG2512156
1,2-Dichlorobenzene	ND		7.11	1	05/11/2025 01:06	WG2512156
1,3-Dichlorobenzene	ND		7.11	1	05/11/2025 01:06	WG2512156
1,4-Dichlorobenzene	ND		7.11	1	05/11/2025 01:06	WG2512156
Dichlorodifluoromethane	ND		7.11	1	05/11/2025 01:06	WG2512156
1,1-Dichloroethane	ND		3.55	1	05/11/2025 01:06	WG2512156
1,2-Dichloroethane	ND		3.55	1	05/11/2025 01:06	WG2512156
1,1-Dichloroethene	ND		3.55	1	05/11/2025 01:06	WG2512156
cis-1,2-Dichloroethene	ND		3.55	1	05/11/2025 01:06	WG2512156
trans-1,2-Dichloroethene	ND		7.11	1	05/11/2025 01:06	WG2512156
1,2-Dichloropropane	ND		7.11	1	05/11/2025 01:06	WG2512156
1,1-Dichloropropene	ND		3.55	1	05/11/2025 01:06	WG2512156
1,3-Dichloropropane	ND		7.11	1	05/11/2025 01:06	WG2512156
cis-1,3-Dichloropropene	ND		3.55	1	05/11/2025 01:06	WG2512156
trans-1,3-Dichloropropene	ND		7.11	1	05/11/2025 01:06	WG2512156
2,2-Dichloropropane	ND		3.55	1	05/11/2025 01:06	WG2512156
Di-isopropyl ether	ND		1.42	1	05/11/2025 01:06	WG2512156
Hexachloro-1,3-butadiene	ND		35.5	1	05/11/2025 01:06	WG2512156
Isopropylbenzene	ND		3.55	1	05/11/2025 01:06	WG2512156
p-Isopropyltoluene	ND		7.11	1	05/11/2025 01:06	WG2512156
2-Butanone (MEK)	ND		142	1	05/11/2025 01:06	WG2512156
Methylene Chloride	ND		35.5	1	05/11/2025 01:06	WG2512156
4-Methyl-2-pentanone (MIBK)	ND	C3	35.5	1	05/11/2025 01:06	WG2512156
Methyl tert-butyl ether	ND		1.42	1	05/11/2025 01:06	WG2512156
n-Propylbenzene	ND		7.11	1	05/11/2025 01:06	WG2512156
Styrene	ND		17.8	1	05/11/2025 01:06	WG2512156
1,1,1,2-Tetrachloroethane	ND		3.55	1	05/11/2025 01:06	WG2512156
1,1,2,2-Tetrachloroethane	ND		3.55	1	05/11/2025 01:06	WG2512156
1,1,2-Trichlorotrifluoroethane	ND		3.55	1	05/11/2025 01:06	WG2512156
Tetrachloroethene	ND		3.55	1	05/11/2025 01:06	WG2512156
1,2,3-Trichlorobenzene	ND		17.8	1	05/11/2025 01:06	WG2512156
1,2,4-Trichlorobenzene	ND		17.8	1	05/11/2025 01:06	WG2512156
1,1,1-Trichloroethane	ND		3.55	1	05/11/2025 01:06	WG2512156
1,1,2-Trichloroethane	ND		3.55	1	05/11/2025 01:06	WG2512156
Trichloroethene	ND		1.42	1	05/11/2025 01:06	WG2512156
Trichlorofluoromethane	ND		3.55	1	05/11/2025 01:06	WG2512156
1,2,3-Trichloropropane	ND		17.8	1	05/11/2025 01:06	WG2512156
1,2,3-Trimethylbenzene	ND		7.11	1	05/11/2025 01:06	WG2512156
Vinyl chloride	ND		3.55	1	05/11/2025 01:06	WG2512156
(S) Toluene-d8	*96.9*		*75.0-131*		*05/11/2025 01:06*	WG2512156

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	*98.6*		*67.0-138*		*05/11/2025 01:06*	WG2512156
(S) 1,2-Dichloroethane-d4	*136*	J1	*70.0-130*		*05/11/2025 01:06*	WG2512156

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		80.6	2	05/11/2025 19:03	WG2512038
Benzidine	ND		4040	2	05/11/2025 19:03	WG2512038
Benzo(g,h,i)perylene	ND		80.6	2	05/11/2025 19:03	WG2512038
Bis(2-chlorethoxy)methane	ND	C4	806	2	05/11/2025 19:03	WG2512038
Bis(2-chloroethyl)ether	ND	C3	806	2	05/11/2025 19:03	WG2512038
2,2-Oxybis(1-Chloropropane)	ND		806	2	05/11/2025 19:03	WG2512038
4-Bromophenyl-phenylether	ND		806	2	05/11/2025 19:03	WG2512038
2-Chloronaphthalene	ND		80.6	2	05/11/2025 19:03	WG2512038
4-Chlorophenyl-phenylether	ND		806	2	05/11/2025 19:03	WG2512038
1,2-Dichlorobenzene	ND		806	2	05/11/2025 19:03	WG2512038
1,3-Dichlorobenzene	ND		806	2	05/11/2025 19:03	WG2512038
1,4-Dichlorobenzene	ND		806	2	05/11/2025 19:03	WG2512038
3,3-Dichlorobenzidine	ND		806	2	05/11/2025 19:03	WG2512038
2,4-Dinitrotoluene	ND		806	2	05/11/2025 19:03	WG2512038
2,6-Dinitrotoluene	ND		806	2	05/11/2025 19:03	WG2512038
Hexachlorobenzene	ND		806	2	05/11/2025 19:03	WG2512038
Hexachloro-1,3-butadiene	ND		806	2	05/11/2025 19:03	WG2512038
Hexachlorocyclopentadiene	ND	C7	806	2	05/11/2025 19:03	WG2512038
Hexachloroethane	ND		806	2	05/11/2025 19:03	WG2512038
Isophorone	ND		806	2	05/11/2025 19:03	WG2512038
Nitrobenzene	ND		806	2	05/11/2025 19:03	WG2512038
n-Nitrosodimethylamine	ND		806	2	05/11/2025 19:03	WG2512038
n-Nitrosodiphenylamine	ND		806	2	05/11/2025 19:03	WG2512038
n-Nitrosodi-n-propylamine	ND	C3	806	2	05/11/2025 19:03	WG2512038
Phenanthrene	ND		80.6	2	05/11/2025 19:03	WG2512038
Benzylbutyl phthalate	ND		806	2	05/11/2025 19:03	WG2512038
Bis(2-ethylhexyl)phthalate	ND		806	2	05/11/2025 19:03	WG2512038
Di-n-butyl phthalate	ND		806	2	05/11/2025 19:03	WG2512038
Diethyl phthalate	ND		806	2	05/11/2025 19:03	WG2512038
Dimethyl phthalate	ND		806	2	05/11/2025 19:03	WG2512038
Di-n-octyl phthalate	ND		806	2	05/11/2025 19:03	WG2512038
1,2,4-Trichlorobenzene	ND		806	2	05/11/2025 19:03	WG2512038
4-Chloro-3-methylphenol	ND		806	2	05/11/2025 19:03	WG2512038
2-Chlorophenol	ND		806	2	05/11/2025 19:03	WG2512038
2,4-Dichlorophenol	ND		806	2	05/11/2025 19:03	WG2512038
2,4-Dimethylphenol	ND	C3	806	2	05/11/2025 19:03	WG2512038
4,6-Dinitro-2-methylphenol	ND	J4	806	2	05/11/2025 19:03	WG2512038
2,4-Dinitrophenol	ND		806	2	05/11/2025 19:03	WG2512038
2-Nitrophenol	ND		806	2	05/11/2025 19:03	WG2512038
4-Nitrophenol	ND		806	2	05/11/2025 19:03	WG2512038
Pentachlorophenol	ND		806	2	05/11/2025 19:03	WG2512038
Phenol	ND	C3	806	2	05/11/2025 19:03	WG2512038
2,4,6-Trichlorophenol	ND		806	2	05/11/2025 19:03	WG2512038
(S) 2-Fluorophenol	*71.3*		*12.0-120*		*05/11/2025 19:03*	WG2512038
(S) Phenol-d5	*66.8*		*10.0-120*		*05/11/2025 19:03*	WG2512038
(S) Nitrobenzene-d5	*75.9*		*10.0-122*		*05/11/2025 19:03*	WG2512038
(S) 2-Fluorobiphenyl	*75.9*		*15.0-120*		*05/11/2025 19:03*	WG2512038
(S) 2,4,6-Tribromophenol	*88.2*		*10.0-127*		*05/11/2025 19:03*	WG2512038
(S) p-Terphenyl-d14	*75.5*		*10.0-120*		*05/11/2025 19:03*	WG2512038

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:

L1857512-20 WG2512038: 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	05/10/2025 17:12	WG2512002
Acrolein	ND	C3	50.0	1	05/10/2025 17:12	WG2512002
Acrylonitrile	ND		10.0	1	05/10/2025 17:12	WG2512002
Benzene	ND		1.00	1	05/10/2025 17:12	WG2512002
Bromobenzene	ND		1.00	1	05/10/2025 17:12	WG2512002
Bromodichloromethane	ND		1.00	1	05/10/2025 17:12	WG2512002
Bromoform	ND		1.00	1	05/10/2025 17:12	WG2512002
Bromomethane	ND		5.00	1	05/10/2025 17:12	WG2512002
n-Butylbenzene	ND		1.00	1	05/10/2025 17:12	WG2512002
sec-Butylbenzene	ND		1.00	1	05/10/2025 17:12	WG2512002
tert-Butylbenzene	ND		1.00	1	05/10/2025 17:12	WG2512002
Carbon tetrachloride	ND		1.00	1	05/10/2025 17:12	WG2512002
Chlorobenzene	ND		1.00	1	05/10/2025 17:12	WG2512002
Chlorodibromomethane	ND		1.00	1	05/10/2025 17:12	WG2512002
Chloroethane	ND		5.00	1	05/10/2025 17:12	WG2512002
Chloroform	ND		5.00	1	05/10/2025 17:12	WG2512002
Chloromethane	ND		2.50	1	05/10/2025 17:12	WG2512002
2-Chlorotoluene	ND		1.00	1	05/10/2025 17:12	WG2512002
4-Chlorotoluene	ND		1.00	1	05/10/2025 17:12	WG2512002
1,2-Dibromo-3-Chloropropane	ND		5.00	1	05/10/2025 17:12	WG2512002
1,2-Dibromoethane	ND		1.00	1	05/10/2025 17:12	WG2512002
Dibromomethane	ND		1.00	1	05/10/2025 17:12	WG2512002
1,2-Dichlorobenzene	ND		1.00	1	05/10/2025 17:12	WG2512002
1,3-Dichlorobenzene	ND		1.00	1	05/10/2025 17:12	WG2512002
1,4-Dichlorobenzene	ND		1.00	1	05/10/2025 17:12	WG2512002
Dichlorodifluoromethane	ND		5.00	1	05/10/2025 17:12	WG2512002
1,1-Dichloroethane	ND		1.00	1	05/10/2025 17:12	WG2512002
1,2-Dichloroethane	ND		1.00	1	05/10/2025 17:12	WG2512002
1,1-Dichloroethene	ND		1.00	1	05/10/2025 17:12	WG2512002
cis-1,2-Dichloroethene	ND		1.00	1	05/10/2025 17:12	WG2512002
trans-1,2-Dichloroethene	ND		1.00	1	05/10/2025 17:12	WG2512002
1,2-Dichloropropane	ND		1.00	1	05/10/2025 17:12	WG2512002
1,1-Dichloropropene	ND		1.00	1	05/10/2025 17:12	WG2512002
1,3-Dichloropropane	ND		1.00	1	05/10/2025 17:12	WG2512002
cis-1,3-Dichloropropene	ND		1.00	1	05/10/2025 17:12	WG2512002
trans-1,3-Dichloropropene	ND		1.00	1	05/10/2025 17:12	WG2512002
2,2-Dichloropropane	ND		1.00	1	05/10/2025 17:12	WG2512002
Di-isopropyl ether	ND		1.00	1	05/10/2025 17:12	WG2512002
Ethylbenzene	ND		1.00	1	05/10/2025 17:12	WG2512002
Hexachloro-1,3-butadiene	ND		1.00	1	05/10/2025 17:12	WG2512002
Isopropylbenzene	ND		1.00	1	05/10/2025 17:12	WG2512002
p-Isopropyltoluene	ND		1.00	1	05/10/2025 17:12	WG2512002
2-Butanone (MEK)	ND		10.0	1	05/10/2025 17:12	WG2512002
Methylene Chloride	ND		5.00	1	05/10/2025 17:12	WG2512002
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	05/10/2025 17:12	WG2512002
Methyl tert-butyl ether	ND		1.00	1	05/10/2025 17:12	WG2512002
Naphthalene	ND	C3	5.00	1	05/10/2025 17:12	WG2512002
n-Propylbenzene	ND		1.00	1	05/10/2025 17:12	WG2512002
Styrene	ND		1.00	1	05/10/2025 17:12	WG2512002
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/10/2025 17:12	WG2512002
1,1,2,2-Tetrachloroethane	ND		1.00	1	05/10/2025 17:12	WG2512002
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	05/10/2025 17:12	WG2512002
Tetrachloroethene	ND		1.00	1	05/10/2025 17:12	WG2512002
Toluene	ND		1.00	1	05/10/2025 17:12	WG2512002
1,2,3-Trichlorobenzene	ND	C3	1.00	1	05/10/2025 17:12	WG2512002
1,2,4-Trichlorobenzene	ND		1.00	1	05/10/2025 17:12	WG2512002

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	05/10/2025 17:12	WG2512002
1,1,2-Trichloroethane	ND		1.00	1	05/10/2025 17:12	WG2512002
Trichloroethene	ND		1.00	1	05/10/2025 17:12	WG2512002
Trichlorofluoromethane	ND		5.00	1	05/10/2025 17:12	WG2512002
1,2,3-Trichloropropane	ND		2.50	1	05/10/2025 17:12	WG2512002
1,2,4-Trimethylbenzene	ND		1.00	1	05/10/2025 17:12	WG2512002
1,2,3-Trimethylbenzene	ND		1.00	1	05/10/2025 17:12	WG2512002
1,3,5-Trimethylbenzene	ND		1.00	1	05/10/2025 17:12	WG2512002
Vinyl chloride	ND		1.00	1	05/10/2025 17:12	WG2512002
Xylenes, Total	ND		3.00	1	05/10/2025 17:12	WG2512002
(S) Toluene-d8	*107*		*80.0-120*		*05/10/2025 17:12*	WG2512002
(S) 4-Bromofluorobenzene	*91.9*		*77.0-126*		*05/10/2025 17:12*	WG2512002
(S) 1,2-Dichloroethane-d4	*112*		*70.0-130*		*05/10/2025 17:12*	WG2512002

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	2080000		23600	1	05/12/2025 11:38	WG2512150

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.8		1	05/10/2025 14:56	WG2512085

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	05/12/2025 01:37	WG2512304

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	2060000		118000	5	05/12/2025 11:38	WG2512302

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		23600	1	05/10/2025 23:56	WG2512150

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	24000000		500000	5	05/12/2025 18:03	WG2512160

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	2710000		23600	1	05/10/2025 22:08	WG2512143
Antimony	ND		2360	1	05/10/2025 22:08	WG2512143
Beryllium	424		236	1	05/10/2025 22:08	WG2512143
Calcium	3670000		118000	1	05/10/2025 22:08	WG2512143
Cobalt	2780		1180	1	05/10/2025 22:08	WG2512143
Iron	6430000		11800	1	05/10/2025 22:08	WG2512143
Magnesium	1480000		118000	1	05/10/2025 22:08	WG2512143
Manganese	229000		1180	1	05/10/2025 22:08	WG2512143
Potassium	1480000		118000	1	05/10/2025 22:08	WG2512143
Sodium	216000		118000	1	05/10/2025 22:08	WG2512143
Thallium	ND		2360	1	05/10/2025 22:08	WG2512143
Vanadium	10800		2360	1	05/10/2025 22:08	WG2512143

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		67.9	1	05/11/2025 01:27	WG2512156
Acrylonitrile	ND	C3	17.0	1	05/11/2025 01:27	WG2512156
Bromobenzene	ND		17.0	1	05/11/2025 01:27	WG2512156
Bromodichloromethane	ND		3.40	1	05/11/2025 01:27	WG2512156
Bromoform	ND		34.0	1	05/11/2025 01:27	WG2512156
Bromomethane	ND		17.0	1	05/11/2025 01:27	WG2512156

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		17.0	1	05/11/2025 01:27	WG2512156
sec-Butylbenzene	ND		17.0	1	05/11/2025 01:27	WG2512156
tert-Butylbenzene	ND		6.79	1	05/11/2025 01:27	WG2512156
Carbon tetrachloride	ND		6.79	1	05/11/2025 01:27	WG2512156
Chlorobenzene	ND		3.40	1	05/11/2025 01:27	WG2512156
Chlorodibromomethane	ND		3.40	1	05/11/2025 01:27	WG2512156
Chloroethane	ND		6.79	1	05/11/2025 01:27	WG2512156
Chloroform	ND		3.40	1	05/11/2025 01:27	WG2512156
Chloromethane	ND	C3	17.0	1	05/11/2025 01:27	WG2512156
2-Chlorotoluene	ND		3.40	1	05/11/2025 01:27	WG2512156
4-Chlorotoluene	ND		6.79	1	05/11/2025 01:27	WG2512156
1,2-Dibromo-3-Chloropropane	ND	C3	34.0	1	05/11/2025 01:27	WG2512156
1,2-Dibromoethane	ND		3.40	1	05/11/2025 01:27	WG2512156
Dibromomethane	ND		6.79	1	05/11/2025 01:27	WG2512156
1,2-Dichlorobenzene	ND		6.79	1	05/11/2025 01:27	WG2512156
1,3-Dichlorobenzene	ND		6.79	1	05/11/2025 01:27	WG2512156
1,4-Dichlorobenzene	ND		6.79	1	05/11/2025 01:27	WG2512156
Dichlorodifluoromethane	ND		6.79	1	05/11/2025 01:27	WG2512156
1,1-Dichloroethane	ND		3.40	1	05/11/2025 01:27	WG2512156
1,2-Dichloroethane	ND		3.40	1	05/11/2025 01:27	WG2512156
1,1-Dichloroethene	ND		3.40	1	05/11/2025 01:27	WG2512156
cis-1,2-Dichloroethene	ND		3.40	1	05/11/2025 01:27	WG2512156
trans-1,2-Dichloroethene	ND		6.79	1	05/11/2025 01:27	WG2512156
1,2-Dichloropropane	ND		6.79	1	05/11/2025 01:27	WG2512156
1,1-Dichloropropene	ND		3.40	1	05/11/2025 01:27	WG2512156
1,3-Dichloropropane	ND		6.79	1	05/11/2025 01:27	WG2512156
cis-1,3-Dichloropropene	ND		3.40	1	05/11/2025 01:27	WG2512156
trans-1,3-Dichloropropene	ND		6.79	1	05/11/2025 01:27	WG2512156
2,2-Dichloropropane	ND		3.40	1	05/11/2025 01:27	WG2512156
Di-isopropyl ether	ND		1.36	1	05/11/2025 01:27	WG2512156
Hexachloro-1,3-butadiene	ND		34.0	1	05/11/2025 01:27	WG2512156
Isopropylbenzene	ND		3.40	1	05/11/2025 01:27	WG2512156
p-Isopropyltoluene	ND		6.79	1	05/11/2025 01:27	WG2512156
2-Butanone (MEK)	ND		136	1	05/11/2025 01:27	WG2512156
Methylene Chloride	ND		34.0	1	05/11/2025 01:27	WG2512156
4-Methyl-2-pentanone (MIBK)	ND	C3	34.0	1	05/11/2025 01:27	WG2512156
Methyl tert-butyl ether	ND		1.36	1	05/11/2025 01:27	WG2512156
n-Propylbenzene	ND		6.79	1	05/11/2025 01:27	WG2512156
Styrene	ND		17.0	1	05/11/2025 01:27	WG2512156
1,1,1,2-Tetrachloroethane	ND		3.40	1	05/11/2025 01:27	WG2512156
1,1,2,2-Tetrachloroethane	ND		3.40	1	05/11/2025 01:27	WG2512156
1,1,2-Trichlorotrifluoroethane	ND		3.40	1	05/11/2025 01:27	WG2512156
Tetrachloroethene	ND		3.40	1	05/11/2025 01:27	WG2512156
1,2,3-Trichlorobenzene	ND		17.0	1	05/11/2025 01:27	WG2512156
1,2,4-Trichlorobenzene	ND		17.0	1	05/11/2025 01:27	WG2512156
1,1,1-Trichloroethane	ND		3.40	1	05/11/2025 01:27	WG2512156
1,1,2-Trichloroethane	ND		3.40	1	05/11/2025 01:27	WG2512156
Trichloroethene	ND		1.36	1	05/11/2025 01:27	WG2512156
Trichlorofluoromethane	ND		3.40	1	05/11/2025 01:27	WG2512156
1,2,3-Trichloropropane	ND		17.0	1	05/11/2025 01:27	WG2512156
1,2,3-Trimethylbenzene	ND		6.79	1	05/11/2025 01:27	WG2512156
Vinyl chloride	ND		3.40	1	05/11/2025 01:27	WG2512156
(S) Toluene-d8	*97.6*		*75.0-131*		*05/11/2025 01:27*	WG2512156
(S) 4-Bromofluorobenzene	*96.2*		*67.0-138*		*05/11/2025 01:27*	WG2512156
(S) 1,2-Dichloroethane-d4	*119*		*70.0-130*		*05/11/2025 01:27*	WG2512156

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		78.5	2	05/11/2025 19:45	WG2512038
Benzidine	ND		3940	2	05/11/2025 19:45	WG2512038
Benzo(g,h,i)perylene	ND		78.5	2	05/11/2025 19:45	WG2512038
Bis(2-chlorethoxy)methane	ND	C4	785	2	05/11/2025 19:45	WG2512038
Bis(2-chloroethyl)ether	ND	C3	785	2	05/11/2025 19:45	WG2512038
2,2-Oxybis(1-Chloropropane)	ND		785	2	05/11/2025 19:45	WG2512038
4-Bromophenyl-phenylether	ND		785	2	05/11/2025 19:45	WG2512038
2-Chloronaphthalene	ND		78.5	2	05/11/2025 19:45	WG2512038
4-Chlorophenyl-phenylether	ND		785	2	05/11/2025 19:45	WG2512038
1,2-Dichlorobenzene	ND		785	2	05/11/2025 19:45	WG2512038
1,3-Dichlorobenzene	ND		785	2	05/11/2025 19:45	WG2512038
1,4-Dichlorobenzene	ND		785	2	05/11/2025 19:45	WG2512038
3,3-Dichlorobenzidine	ND		785	2	05/11/2025 19:45	WG2512038
2,4-Dinitrotoluene	ND		785	2	05/11/2025 19:45	WG2512038
2,6-Dinitrotoluene	ND		785	2	05/11/2025 19:45	WG2512038
Hexachlorobenzene	ND		785	2	05/11/2025 19:45	WG2512038
Hexachloro-1,3-butadiene	ND		785	2	05/11/2025 19:45	WG2512038
Hexachlorocyclopentadiene	ND	C7	785	2	05/11/2025 19:45	WG2512038
Hexachloroethane	ND		785	2	05/11/2025 19:45	WG2512038
Isophorone	ND		785	2	05/11/2025 19:45	WG2512038
Nitrobenzene	ND		785	2	05/11/2025 19:45	WG2512038
n-Nitrosodimethylamine	ND		785	2	05/11/2025 19:45	WG2512038
n-Nitrosodiphenylamine	ND		785	2	05/11/2025 19:45	WG2512038
n-Nitrosodi-n-propylamine	ND	C3	785	2	05/11/2025 19:45	WG2512038
Phenanthrene	ND		78.5	2	05/11/2025 19:45	WG2512038
Benzylbutyl phthalate	ND		785	2	05/11/2025 19:45	WG2512038
Bis(2-ethylhexyl)phthalate	ND		785	2	05/11/2025 19:45	WG2512038
Di-n-butyl phthalate	ND		785	2	05/11/2025 19:45	WG2512038
Diethyl phthalate	ND		785	2	05/11/2025 19:45	WG2512038
Dimethyl phthalate	ND		785	2	05/11/2025 19:45	WG2512038
Di-n-octyl phthalate	ND		785	2	05/11/2025 19:45	WG2512038
1,2,4-Trichlorobenzene	ND		785	2	05/11/2025 19:45	WG2512038
4-Chloro-3-methylphenol	ND		785	2	05/11/2025 19:45	WG2512038
2-Chlorophenol	ND		785	2	05/11/2025 19:45	WG2512038
2,4-Dichlorophenol	ND		785	2	05/11/2025 19:45	WG2512038
2,4-Dimethylphenol	ND	C3	785	2	05/11/2025 19:45	WG2512038
4,6-Dinitro-2-methylphenol	ND	J4	785	2	05/11/2025 19:45	WG2512038
2,4-Dinitrophenol	ND		785	2	05/11/2025 19:45	WG2512038
2-Nitrophenol	ND		785	2	05/11/2025 19:45	WG2512038
4-Nitrophenol	ND		785	2	05/11/2025 19:45	WG2512038
Pentachlorophenol	ND		785	2	05/11/2025 19:45	WG2512038
Phenol	ND	C3	785	2	05/11/2025 19:45	WG2512038
2,4,6-Trichlorophenol	ND		785	2	05/11/2025 19:45	WG2512038
(S) 2-Fluorophenol	*67.3*		*12.0-120*		*05/11/2025 19:45*	WG2512038
(S) Phenol-d5	*64.1*		*10.0-120*		*05/11/2025 19:45*	WG2512038
(S) Nitrobenzene-d5	*73.6*		*10.0-122*		*05/11/2025 19:45*	WG2512038
(S) 2-Fluorobiphenyl	*80.4*		*15.0-120*		*05/11/2025 19:45*	WG2512038
(S) 2,4,6-Tribromophenol	*90.6*		*10.0-127*		*05/11/2025 19:45*	WG2512038
(S) p-Terphenyl-d14	*82.2*		*10.0-120*		*05/11/2025 19:45*	WG2512038

Sample Narrative:

L1857512-22 WG2512038: 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	1620000		113000	1	05/12/2025 11:42	WG2512150

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.4		1	05/10/2025 14:56	WG2512085

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	05/12/2025 01:39	WG2512304

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	1570000		113000	5	05/12/2025 11:42	WG2512302

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		113000	5	05/11/2025 00:09	WG2512150

Sample Narrative:

L1857512-23 WG2512150: 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	14400000		400000	4	05/12/2025 18:03	WG2512160

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	1680000		22600	1	05/10/2025 22:10	WG2512143
Antimony	ND		2260	1	05/10/2025 22:10	WG2512143
Beryllium	ND		226	1	05/10/2025 22:10	WG2512143
Calcium	5080000		113000	1	05/10/2025 22:10	WG2512143
Cobalt	1880		1130	1	05/10/2025 22:10	WG2512143
Iron	3010000		11300	1	05/10/2025 22:10	WG2512143
Magnesium	1090000		113000	1	05/10/2025 22:10	WG2512143
Manganese	162000		1130	1	05/10/2025 22:10	WG2512143
Potassium	1030000		113000	1	05/10/2025 22:10	WG2512143
Sodium	319000		113000	1	05/10/2025 22:10	WG2512143
Thallium	ND		2260	1	05/10/2025 22:10	WG2512143
Vanadium	6230		2260	1	05/10/2025 22:10	WG2512143

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		63.2	1	05/11/2025 01:47	WG2512156
Acrylonitrile	ND	C3	15.8	1	05/11/2025 01:47	WG2512156
Bromobenzene	ND		15.8	1	05/11/2025 01:47	WG2512156

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		3.16	1	05/11/2025 01:47	WG2512156
Bromoform	ND		31.6	1	05/11/2025 01:47	WG2512156
Bromomethane	ND		15.8	1	05/11/2025 01:47	WG2512156
n-Butylbenzene	ND		15.8	1	05/11/2025 01:47	WG2512156
sec-Butylbenzene	ND		15.8	1	05/11/2025 01:47	WG2512156
tert-Butylbenzene	ND		6.32	1	05/11/2025 01:47	WG2512156
Carbon tetrachloride	ND		6.32	1	05/11/2025 01:47	WG2512156
Chlorobenzene	ND		3.16	1	05/11/2025 01:47	WG2512156
Chlorodibromomethane	ND		3.16	1	05/11/2025 01:47	WG2512156
Chloroethane	ND		6.32	1	05/11/2025 01:47	WG2512156
Chloroform	ND		3.16	1	05/11/2025 01:47	WG2512156
Chloromethane	ND	C3	15.8	1	05/11/2025 01:47	WG2512156
2-Chlorotoluene	ND		3.16	1	05/11/2025 01:47	WG2512156
4-Chlorotoluene	ND		6.32	1	05/11/2025 01:47	WG2512156
1,2-Dibromo-3-Chloropropane	ND	C3	31.6	1	05/11/2025 01:47	WG2512156
1,2-Dibromoethane	ND		3.16	1	05/11/2025 01:47	WG2512156
Dibromomethane	ND		6.32	1	05/11/2025 01:47	WG2512156
1,2-Dichlorobenzene	ND		6.32	1	05/11/2025 01:47	WG2512156
1,3-Dichlorobenzene	ND		6.32	1	05/11/2025 01:47	WG2512156
1,4-Dichlorobenzene	ND		6.32	1	05/11/2025 01:47	WG2512156
Dichlorodifluoromethane	ND		6.32	1	05/11/2025 01:47	WG2512156
1,1-Dichloroethane	ND		3.16	1	05/11/2025 01:47	WG2512156
1,2-Dichloroethane	ND		3.16	1	05/11/2025 01:47	WG2512156
1,1-Dichloroethene	ND		3.16	1	05/11/2025 01:47	WG2512156
cis-1,2-Dichloroethene	ND		3.16	1	05/11/2025 01:47	WG2512156
trans-1,2-Dichloroethene	ND		6.32	1	05/11/2025 01:47	WG2512156
1,2-Dichloropropane	ND		6.32	1	05/11/2025 01:47	WG2512156
1,1-Dichloropropene	ND		3.16	1	05/11/2025 01:47	WG2512156
1,3-Dichloropropane	ND		6.32	1	05/11/2025 01:47	WG2512156
cis-1,3-Dichloropropene	ND		3.16	1	05/11/2025 01:47	WG2512156
trans-1,3-Dichloropropene	ND		6.32	1	05/11/2025 01:47	WG2512156
2,2-Dichloropropane	ND		3.16	1	05/11/2025 01:47	WG2512156
Di-isopropyl ether	ND		1.26	1	05/11/2025 01:47	WG2512156
Hexachloro-1,3-butadiene	ND		31.6	1	05/11/2025 01:47	WG2512156
Isopropylbenzene	ND		3.16	1	05/11/2025 01:47	WG2512156
p-Isopropyltoluene	ND		6.32	1	05/11/2025 01:47	WG2512156
2-Butanone (MEK)	ND		126	1	05/11/2025 01:47	WG2512156
Methylene Chloride	ND		31.6	1	05/11/2025 01:47	WG2512156
4-Methyl-2-pentanone (MIBK)	ND	C3	31.6	1	05/11/2025 01:47	WG2512156
Methyl tert-butyl ether	ND		1.26	1	05/11/2025 01:47	WG2512156
n-Propylbenzene	ND		6.32	1	05/11/2025 01:47	WG2512156
Styrene	ND		15.8	1	05/11/2025 01:47	WG2512156
1,1,1,2-Tetrachloroethane	ND		3.16	1	05/11/2025 01:47	WG2512156
1,1,2,2-Tetrachloroethane	ND		3.16	1	05/11/2025 01:47	WG2512156
1,1,2-Trichlorotrifluoroethane	ND		3.16	1	05/11/2025 01:47	WG2512156
Tetrachloroethene	ND		3.16	1	05/11/2025 01:47	WG2512156
1,2,3-Trichlorobenzene	ND		15.8	1	05/11/2025 01:47	WG2512156
1,2,4-Trichlorobenzene	ND		15.8	1	05/11/2025 01:47	WG2512156
1,1,1-Trichloroethane	ND		3.16	1	05/11/2025 01:47	WG2512156
1,1,2-Trichloroethane	ND		3.16	1	05/11/2025 01:47	WG2512156
Trichloroethene	ND		1.26	1	05/11/2025 01:47	WG2512156
Trichlorofluoromethane	ND		3.16	1	05/11/2025 01:47	WG2512156
1,2,3-Trichloropropane	ND		15.8	1	05/11/2025 01:47	WG2512156
1,2,3-Trimethylbenzene	ND		6.32	1	05/11/2025 01:47	WG2512156
Vinyl chloride	ND		3.16	1	05/11/2025 01:47	WG2512156
(S) Toluene-d8	*97.1*		*75.0-131*		*05/11/2025 01:47*	WG2512156

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	*94.0*		*67.0-138*		*05/11/2025 01:47*	WG2512156
(S) 1,2-Dichloroethane-d4	*116*		*70.0-130*		*05/11/2025 01:47*	WG2512156

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		37.7	1	05/10/2025 23:05	WG2512038
Benzidine	ND	C7	1890	1	05/10/2025 23:05	WG2512038
Benzo(g,h,i)perylene	ND		37.7	1	05/10/2025 23:05	WG2512038
Bis(2-chlorethoxy)methane	ND	C3	377	1	05/10/2025 23:05	WG2512038
Bis(2-chloroethyl)ether	ND		377	1	05/10/2025 23:05	WG2512038
2,2-Oxybis(1-Chloropropane)	ND		377	1	05/10/2025 23:05	WG2512038
4-Bromophenyl-phenylether	ND		377	1	05/10/2025 23:05	WG2512038
2-Chloronaphthalene	ND		37.7	1	05/10/2025 23:05	WG2512038
4-Chlorophenyl-phenylether	ND		377	1	05/10/2025 23:05	WG2512038
1,2-Dichlorobenzene	ND		377	1	05/10/2025 23:05	WG2512038
1,3-Dichlorobenzene	ND		377	1	05/10/2025 23:05	WG2512038
1,4-Dichlorobenzene	ND		377	1	05/10/2025 23:05	WG2512038
3,3-Dichlorobenzidine	ND		377	1	05/10/2025 23:05	WG2512038
2,4-Dinitrotoluene	ND		377	1	05/10/2025 23:05	WG2512038
2,6-Dinitrotoluene	ND		377	1	05/10/2025 23:05	WG2512038
Hexachlorobenzene	ND		377	1	05/10/2025 23:05	WG2512038
Hexachloro-1,3-butadiene	ND		377	1	05/10/2025 23:05	WG2512038
Hexachlorocyclopentadiene	ND	C3	377	1	05/10/2025 23:05	WG2512038
Hexachloroethane	ND		377	1	05/10/2025 23:05	WG2512038
Isophorone	ND		377	1	05/10/2025 23:05	WG2512038
Nitrobenzene	ND		377	1	05/10/2025 23:05	WG2512038
n-Nitrosodimethylamine	ND		377	1	05/10/2025 23:05	WG2512038
n-Nitrosodiphenylamine	ND		377	1	05/10/2025 23:05	WG2512038
n-Nitrosodi-n-propylamine	ND	C3	377	1	05/10/2025 23:05	WG2512038
Phenanthrene	ND		37.7	1	05/10/2025 23:05	WG2512038
Benzylbutyl phthalate	ND		377	1	05/10/2025 23:05	WG2512038
Bis(2-ethylhexyl)phthalate	ND		377	1	05/10/2025 23:05	WG2512038
Di-n-butyl phthalate	ND		377	1	05/10/2025 23:05	WG2512038
Diethyl phthalate	ND		377	1	05/10/2025 23:05	WG2512038
Dimethyl phthalate	ND		377	1	05/10/2025 23:05	WG2512038
Di-n-octyl phthalate	ND		377	1	05/10/2025 23:05	WG2512038
1,2,4-Trichlorobenzene	ND		377	1	05/10/2025 23:05	WG2512038
4-Chloro-3-methylphenol	ND		377	1	05/10/2025 23:05	WG2512038
2-Chlorophenol	ND		377	1	05/10/2025 23:05	WG2512038
2,4-Dichlorophenol	ND		377	1	05/10/2025 23:05	WG2512038
2,4-Dimethylphenol	ND		377	1	05/10/2025 23:05	WG2512038
4,6-Dinitro-2-methylphenol	ND	J4	377	1	05/10/2025 23:05	WG2512038
2,4-Dinitrophenol	ND		377	1	05/10/2025 23:05	WG2512038
2-Nitrophenol	ND		377	1	05/10/2025 23:05	WG2512038
4-Nitrophenol	ND		377	1	05/10/2025 23:05	WG2512038
Pentachlorophenol	ND		377	1	05/10/2025 23:05	WG2512038
Phenol	ND		377	1	05/10/2025 23:05	WG2512038
2,4,6-Trichlorophenol	ND		377	1	05/10/2025 23:05	WG2512038
(S) 2-Fluorophenol	*68.8*		*12.0-120*		*05/10/2025 23:05*	WG2512038
(S) Phenol-d5	*58.3*		*10.0-120*		*05/10/2025 23:05*	WG2512038
(S) Nitrobenzene-d5	*55.4*		*10.0-122*		*05/10/2025 23:05*	WG2512038
(S) 2-Fluorobiphenyl	*65.8*		*15.0-120*		*05/10/2025 23:05*	WG2512038
(S) 2,4,6-Tribromophenol	*95.7*		*10.0-127*		*05/10/2025 23:05*	WG2512038
(S) p-Terphenyl-d14	*69.2*		*10.0-120*		*05/10/2025 23:05*	WG2512038

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1230000		22200	1	05/12/2025 11:43	WG2512150

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.0		1	05/10/2025 14:56	WG2512085

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11100	1	05/12/2025 01:40	WG2512304

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	1220000		111000	5	05/12/2025 11:43	WG2512302

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		22200	1	05/11/2025 00:23	WG2512150

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	14500000		500000	5	05/12/2025 18:03	WG2512160

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	1770000		22200	1	05/10/2025 22:12	WG2512143
Antimony	ND		2220	1	05/10/2025 22:12	WG2512143
Beryllium	250		222	1	05/10/2025 22:12	WG2512143
Calcium	2340000		111000	1	05/10/2025 22:12	WG2512143
Cobalt	2180		1110	1	05/10/2025 22:12	WG2512143
Iron	3030000		11100	1	05/10/2025 22:12	WG2512143
Magnesium	853000		111000	1	05/10/2025 22:12	WG2512143
Manganese	287000		1110	1	05/10/2025 22:12	WG2512143
Potassium	896000		111000	1	05/10/2025 22:12	WG2512143
Sodium	ND		111000	1	05/10/2025 22:12	WG2512143
Thallium	ND		2220	1	05/10/2025 22:12	WG2512143
Vanadium	7700		2220	1	05/10/2025 22:12	WG2512143

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		61.1	1	05/11/2025 02:08	WG2512156
Acrylonitrile	ND	C3	15.3	1	05/11/2025 02:08	WG2512156
Bromobenzene	ND		15.3	1	05/11/2025 02:08	WG2512156
Bromodichloromethane	ND		3.06	1	05/11/2025 02:08	WG2512156
Bromoform	ND		30.6	1	05/11/2025 02:08	WG2512156
Bromomethane	ND		15.3	1	05/11/2025 02:08	WG2512156

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		15.3	1	05/11/2025 02:08	WG2512156
sec-Butylbenzene	ND		15.3	1	05/11/2025 02:08	WG2512156
tert-Butylbenzene	ND		6.11	1	05/11/2025 02:08	WG2512156
Carbon tetrachloride	ND		6.11	1	05/11/2025 02:08	WG2512156
Chlorobenzene	ND		3.06	1	05/11/2025 02:08	WG2512156
Chlorodibromomethane	ND		3.06	1	05/11/2025 02:08	WG2512156
Chloroethane	ND		6.11	1	05/11/2025 02:08	WG2512156
Chloroform	ND		3.06	1	05/11/2025 02:08	WG2512156
Chloromethane	ND	C3	15.3	1	05/11/2025 02:08	WG2512156
2-Chlorotoluene	ND		3.06	1	05/11/2025 02:08	WG2512156
4-Chlorotoluene	ND		6.11	1	05/11/2025 02:08	WG2512156
1,2-Dibromo-3-Chloropropane	ND	C3	30.6	1	05/11/2025 02:08	WG2512156
1,2-Dibromoethane	ND		3.06	1	05/11/2025 02:08	WG2512156
Dibromomethane	ND		6.11	1	05/11/2025 02:08	WG2512156
1,2-Dichlorobenzene	ND		6.11	1	05/11/2025 02:08	WG2512156
1,3-Dichlorobenzene	ND		6.11	1	05/11/2025 02:08	WG2512156
1,4-Dichlorobenzene	ND		6.11	1	05/11/2025 02:08	WG2512156
Dichlorodifluoromethane	ND		6.11	1	05/11/2025 02:08	WG2512156
1,1-Dichloroethane	ND		3.06	1	05/11/2025 02:08	WG2512156
1,2-Dichloroethane	ND		3.06	1	05/11/2025 02:08	WG2512156
1,1-Dichloroethene	ND		3.06	1	05/11/2025 02:08	WG2512156
cis-1,2-Dichloroethene	ND		3.06	1	05/11/2025 02:08	WG2512156
trans-1,2-Dichloroethene	ND		6.11	1	05/11/2025 02:08	WG2512156
1,2-Dichloropropane	ND		6.11	1	05/11/2025 02:08	WG2512156
1,1-Dichloropropene	ND		3.06	1	05/11/2025 02:08	WG2512156
1,3-Dichloropropane	ND		6.11	1	05/11/2025 02:08	WG2512156
cis-1,3-Dichloropropene	ND		3.06	1	05/11/2025 02:08	WG2512156
trans-1,3-Dichloropropene	ND		6.11	1	05/11/2025 02:08	WG2512156
2,2-Dichloropropane	ND		3.06	1	05/11/2025 02:08	WG2512156
Di-isopropyl ether	ND		1.22	1	05/11/2025 02:08	WG2512156
Hexachloro-1,3-butadiene	ND		30.6	1	05/11/2025 02:08	WG2512156
Isopropylbenzene	ND		3.06	1	05/11/2025 02:08	WG2512156
p-Isopropyltoluene	ND		6.11	1	05/11/2025 02:08	WG2512156
2-Butanone (MEK)	ND		122	1	05/11/2025 02:08	WG2512156
Methylene Chloride	ND		30.6	1	05/11/2025 02:08	WG2512156
4-Methyl-2-pentanone (MIBK)	ND	C3	30.6	1	05/11/2025 02:08	WG2512156
Methyl tert-butyl ether	ND		1.22	1	05/11/2025 02:08	WG2512156
n-Propylbenzene	ND		6.11	1	05/11/2025 02:08	WG2512156
Styrene	ND		15.3	1	05/11/2025 02:08	WG2512156
1,1,1,2-Tetrachloroethane	ND		3.06	1	05/11/2025 02:08	WG2512156
1,1,2,2-Tetrachloroethane	ND		3.06	1	05/11/2025 02:08	WG2512156
1,1,2-Trichlorotrifluoroethane	ND		3.06	1	05/11/2025 02:08	WG2512156
Tetrachloroethene	ND		3.06	1	05/11/2025 02:08	WG2512156
1,2,3-Trichlorobenzene	ND		15.3	1	05/11/2025 02:08	WG2512156
1,2,4-Trichlorobenzene	ND		15.3	1	05/11/2025 02:08	WG2512156
1,1,1-Trichloroethane	ND		3.06	1	05/11/2025 02:08	WG2512156
1,1,2-Trichloroethane	ND		3.06	1	05/11/2025 02:08	WG2512156
Trichloroethene	ND		1.22	1	05/11/2025 02:08	WG2512156
Trichlorofluoromethane	ND		3.06	1	05/11/2025 02:08	WG2512156
1,2,3-Trichloropropane	ND		15.3	1	05/11/2025 02:08	WG2512156
1,2,3-Trimethylbenzene	ND		6.11	1	05/11/2025 02:08	WG2512156
Vinyl chloride	ND		3.06	1	05/11/2025 02:08	WG2512156
(S) Toluene-d8	*99.1*		*75.0-131*		*05/11/2025 02:08*	WG2512156
(S) 4-Bromofluorobenzene	*93.9*		*67.0-138*		*05/11/2025 02:08*	WG2512156
(S) 1,2-Dichloroethane-d4	*111*		*70.0-130*		*05/11/2025 02:08*	WG2512156

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		74.0	2	05/11/2025 16:16	WG2512038
Benzidine	ND		3710	2	05/11/2025 16:16	WG2512038
Benzo(g,h,i)perylene	ND		74.0	2	05/11/2025 16:16	WG2512038
Bis(2-chlorethoxy)methane	ND	C4	740	2	05/11/2025 16:16	WG2512038
Bis(2-chloroethyl)ether	ND	C3	740	2	05/11/2025 16:16	WG2512038
2,2-Oxybis(1-Chloropropane)	ND		740	2	05/11/2025 16:16	WG2512038
4-Bromophenyl-phenylether	ND		740	2	05/11/2025 16:16	WG2512038
2-Chloronaphthalene	ND		74.0	2	05/11/2025 16:16	WG2512038
4-Chlorophenyl-phenylether	ND		740	2	05/11/2025 16:16	WG2512038
1,2-Dichlorobenzene	ND		740	2	05/11/2025 16:16	WG2512038
1,3-Dichlorobenzene	ND		740	2	05/11/2025 16:16	WG2512038
1,4-Dichlorobenzene	ND		740	2	05/11/2025 16:16	WG2512038
3,3-Dichlorobenzidine	ND		740	2	05/11/2025 16:16	WG2512038
2,4-Dinitrotoluene	ND		740	2	05/11/2025 16:16	WG2512038
2,6-Dinitrotoluene	ND		740	2	05/11/2025 16:16	WG2512038
Hexachlorobenzene	ND		740	2	05/11/2025 16:16	WG2512038
Hexachloro-1,3-butadiene	ND		740	2	05/11/2025 16:16	WG2512038
Hexachlorocyclopentadiene	ND	C7	740	2	05/11/2025 16:16	WG2512038
Hexachloroethane	ND		740	2	05/11/2025 16:16	WG2512038
Isophorone	ND		740	2	05/11/2025 16:16	WG2512038
Nitrobenzene	ND		740	2	05/11/2025 16:16	WG2512038
n-Nitrosodimethylamine	ND		740	2	05/11/2025 16:16	WG2512038
n-Nitrosodiphenylamine	ND		740	2	05/11/2025 16:16	WG2512038
n-Nitrosodi-n-propylamine	ND	C3	740	2	05/11/2025 16:16	WG2512038
Phenanthrene	ND		74.0	2	05/11/2025 16:16	WG2512038
Benzylbutyl phthalate	ND		740	2	05/11/2025 16:16	WG2512038
Bis(2-ethylhexyl)phthalate	ND		740	2	05/11/2025 16:16	WG2512038
Di-n-butyl phthalate	ND		740	2	05/11/2025 16:16	WG2512038
Diethyl phthalate	ND		740	2	05/11/2025 16:16	WG2512038
Dimethyl phthalate	ND		740	2	05/11/2025 16:16	WG2512038
Di-n-octyl phthalate	ND		740	2	05/11/2025 16:16	WG2512038
1,2,4-Trichlorobenzene	ND		740	2	05/11/2025 16:16	WG2512038
4-Chloro-3-methylphenol	ND		740	2	05/11/2025 16:16	WG2512038
2-Chlorophenol	ND		740	2	05/11/2025 16:16	WG2512038
2,4-Dichlorophenol	ND		740	2	05/11/2025 16:16	WG2512038
2,4-Dimethylphenol	ND	C3	740	2	05/11/2025 16:16	WG2512038
4,6-Dinitro-2-methylphenol	ND	J4	740	2	05/11/2025 16:16	WG2512038
2,4-Dinitrophenol	ND		740	2	05/11/2025 16:16	WG2512038
2-Nitrophenol	ND		740	2	05/11/2025 16:16	WG2512038
4-Nitrophenol	ND		740	2	05/11/2025 16:16	WG2512038
Pentachlorophenol	ND		740	2	05/11/2025 16:16	WG2512038
Phenol	ND	C3	740	2	05/11/2025 16:16	WG2512038
2,4,6-Trichlorophenol	ND		740	2	05/11/2025 16:16	WG2512038
(S) 2-Fluorophenol	*71.9*		*12.0-120*		*05/11/2025 16:16*	WG2512038
(S) Phenol-d5	*61.5*		*10.0-120*		*05/11/2025 16:16*	WG2512038
(S) Nitrobenzene-d5	*72.1*		*10.0-122*		*05/11/2025 16:16*	WG2512038
(S) 2-Fluorobiphenyl	*78.5*		*15.0-120*		*05/11/2025 16:16*	WG2512038
(S) 2,4,6-Tribromophenol	*94.2*		*10.0-127*		*05/11/2025 16:16*	WG2512038
(S) p-Terphenyl-d14	*81.9*		*10.0-120*		*05/11/2025 16:16*	WG2512038

Sample Narrative:

L1857512-24 WG2512038: 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	1540000		23100	1	05/12/2025 11:45	WG2512150

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.5		1	05/10/2025 14:56	WG2512085

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11600	1	05/12/2025 01:42	WG2512304

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	1510000		116000	5	05/12/2025 11:45	WG2512302

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	05/11/2025 00:36	WG2512150

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	20100000		800000	8	05/13/2025 17:09	WG2512163

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	2950000		23100	1	05/10/2025 22:18	WG2512143
Antimony	ND		2310	1	05/10/2025 22:18	WG2512143
Beryllium	330		231	1	05/10/2025 22:18	WG2512143
Calcium	3820000		116000	1	05/10/2025 22:18	WG2512143
Cobalt	2830		1160	1	05/10/2025 22:18	WG2512143
Iron	4820000		11600	1	05/10/2025 22:18	WG2512143
Magnesium	1400000		116000	1	05/10/2025 22:18	WG2512143
Manganese	206000		1160	1	05/10/2025 22:18	WG2512143
Potassium	1360000		116000	1	05/10/2025 22:18	WG2512143
Sodium	225000		116000	1	05/10/2025 22:18	WG2512143
Thallium	ND		2310	1	05/10/2025 22:18	WG2512143
Vanadium	11100		2310	1	05/10/2025 22:18	WG2512143

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		65.6	1	05/11/2025 02:29	WG2512156
Acrylonitrile	ND	C3	16.4	1	05/11/2025 02:29	WG2512156
Bromobenzene	ND		16.4	1	05/11/2025 02:29	WG2512156
Bromodichloromethane	ND		3.28	1	05/11/2025 02:29	WG2512156
Bromoform	ND		32.8	1	05/11/2025 02:29	WG2512156
Bromomethane	ND		16.4	1	05/11/2025 02:29	WG2512156

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		16.4	1	05/11/2025 02:29	WG2512156
sec-Butylbenzene	ND		16.4	1	05/11/2025 02:29	WG2512156
tert-Butylbenzene	ND		6.56	1	05/11/2025 02:29	WG2512156
Carbon tetrachloride	ND		6.56	1	05/11/2025 02:29	WG2512156
Chlorobenzene	ND		3.28	1	05/11/2025 02:29	WG2512156
Chlorodibromomethane	ND		3.28	1	05/11/2025 02:29	WG2512156
Chloroethane	ND		6.56	1	05/11/2025 02:29	WG2512156
Chloroform	ND		3.28	1	05/11/2025 02:29	WG2512156
Chloromethane	ND	C3	16.4	1	05/11/2025 02:29	WG2512156
2-Chlorotoluene	ND		3.28	1	05/11/2025 02:29	WG2512156
4-Chlorotoluene	ND		6.56	1	05/11/2025 02:29	WG2512156
1,2-Dibromo-3-Chloropropane	ND	C3	32.8	1	05/11/2025 02:29	WG2512156
1,2-Dibromoethane	ND		3.28	1	05/11/2025 02:29	WG2512156
Dibromomethane	ND		6.56	1	05/11/2025 02:29	WG2512156
1,2-Dichlorobenzene	ND		6.56	1	05/11/2025 02:29	WG2512156
1,3-Dichlorobenzene	ND		6.56	1	05/11/2025 02:29	WG2512156
1,4-Dichlorobenzene	ND		6.56	1	05/11/2025 02:29	WG2512156
Dichlorodifluoromethane	ND		6.56	1	05/11/2025 02:29	WG2512156
1,1-Dichloroethane	ND		3.28	1	05/11/2025 02:29	WG2512156
1,2-Dichloroethane	ND		3.28	1	05/11/2025 02:29	WG2512156
1,1-Dichloroethene	ND		3.28	1	05/11/2025 02:29	WG2512156
cis-1,2-Dichloroethene	ND		3.28	1	05/11/2025 02:29	WG2512156
trans-1,2-Dichloroethene	ND		6.56	1	05/11/2025 02:29	WG2512156
1,2-Dichloropropane	ND		6.56	1	05/11/2025 02:29	WG2512156
1,1-Dichloropropene	ND		3.28	1	05/11/2025 02:29	WG2512156
1,3-Dichloropropane	ND		6.56	1	05/11/2025 02:29	WG2512156
cis-1,3-Dichloropropene	ND		3.28	1	05/11/2025 02:29	WG2512156
trans-1,3-Dichloropropene	ND		6.56	1	05/11/2025 02:29	WG2512156
2,2-Dichloropropane	ND		3.28	1	05/11/2025 02:29	WG2512156
Di-isopropyl ether	ND		1.31	1	05/11/2025 02:29	WG2512156
Hexachloro-1,3-butadiene	ND		32.8	1	05/11/2025 02:29	WG2512156
Isopropylbenzene	ND		3.28	1	05/11/2025 02:29	WG2512156
p-Isopropyltoluene	ND		6.56	1	05/11/2025 02:29	WG2512156
2-Butanone (MEK)	ND		131	1	05/11/2025 02:29	WG2512156
Methylene Chloride	ND		32.8	1	05/11/2025 02:29	WG2512156
4-Methyl-2-pentanone (MIBK)	ND	C3	32.8	1	05/11/2025 02:29	WG2512156
Methyl tert-butyl ether	ND		1.31	1	05/11/2025 02:29	WG2512156
n-Propylbenzene	ND		6.56	1	05/11/2025 02:29	WG2512156
Styrene	ND		16.4	1	05/11/2025 02:29	WG2512156
1,1,1,2-Tetrachloroethane	ND		3.28	1	05/11/2025 02:29	WG2512156
1,1,2,2-Tetrachloroethane	ND		3.28	1	05/11/2025 02:29	WG2512156
1,1,2-Trichlorotrifluoroethane	ND		3.28	1	05/11/2025 02:29	WG2512156
Tetrachloroethene	ND		3.28	1	05/11/2025 02:29	WG2512156
1,2,3-Trichlorobenzene	ND		16.4	1	05/11/2025 02:29	WG2512156
1,2,4-Trichlorobenzene	ND		16.4	1	05/11/2025 02:29	WG2512156
1,1,1-Trichloroethane	ND		3.28	1	05/11/2025 02:29	WG2512156
1,1,2-Trichloroethane	ND		3.28	1	05/11/2025 02:29	WG2512156
Trichloroethene	ND		1.31	1	05/11/2025 02:29	WG2512156
Trichlorofluoromethane	ND		3.28	1	05/11/2025 02:29	WG2512156
1,2,3-Trichloropropane	ND		16.4	1	05/11/2025 02:29	WG2512156
1,2,3-Trimethylbenzene	ND		6.56	1	05/11/2025 02:29	WG2512156
Vinyl chloride	ND		3.28	1	05/11/2025 02:29	WG2512156
(S) Toluene-d8	*95.1*		*75.0-131*		*05/11/2025 02:29*	WG2512156
(S) 4-Bromofluorobenzene	*95.9*		*67.0-138*		*05/11/2025 02:29*	WG2512156
(S) 1,2-Dichloroethane-d4	*114*		*70.0-130*		*05/11/2025 02:29*	WG2512156

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		77.0	2	05/11/2025 16:37	WG2512038
Benzidine	ND		3860	2	05/11/2025 16:37	WG2512038
Benzo(g,h,i)perylene	ND		77.0	2	05/11/2025 16:37	WG2512038
Bis(2-chlorethoxy)methane	ND	C4	770	2	05/11/2025 16:37	WG2512038
Bis(2-chloroethyl)ether	ND	C3	770	2	05/11/2025 16:37	WG2512038
2,2-Oxybis(1-Chloropropane)	ND		770	2	05/11/2025 16:37	WG2512038
4-Bromophenyl-phenylether	ND		770	2	05/11/2025 16:37	WG2512038
2-Chloronaphthalene	ND		77.0	2	05/11/2025 16:37	WG2512038
4-Chlorophenyl-phenylether	ND		770	2	05/11/2025 16:37	WG2512038
1,2-Dichlorobenzene	ND		770	2	05/11/2025 16:37	WG2512038
1,3-Dichlorobenzene	ND		770	2	05/11/2025 16:37	WG2512038
1,4-Dichlorobenzene	ND		770	2	05/11/2025 16:37	WG2512038
3,3-Dichlorobenzidine	ND		770	2	05/11/2025 16:37	WG2512038
2,4-Dinitrotoluene	ND		770	2	05/11/2025 16:37	WG2512038
2,6-Dinitrotoluene	ND		770	2	05/11/2025 16:37	WG2512038
Hexachlorobenzene	ND		770	2	05/11/2025 16:37	WG2512038
Hexachloro-1,3-butadiene	ND		770	2	05/11/2025 16:37	WG2512038
Hexachlorocyclopentadiene	ND	C7	770	2	05/11/2025 16:37	WG2512038
Hexachloroethane	ND		770	2	05/11/2025 16:37	WG2512038
Isophorone	ND		770	2	05/11/2025 16:37	WG2512038
Nitrobenzene	ND		770	2	05/11/2025 16:37	WG2512038
n-Nitrosodimethylamine	ND		770	2	05/11/2025 16:37	WG2512038
n-Nitrosodiphenylamine	ND		770	2	05/11/2025 16:37	WG2512038
n-Nitrosodi-n-propylamine	ND	C3	770	2	05/11/2025 16:37	WG2512038
Phenanthrene	ND		77.0	2	05/11/2025 16:37	WG2512038
Benzylbutyl phthalate	ND		770	2	05/11/2025 16:37	WG2512038
Bis(2-ethylhexyl)phthalate	ND		770	2	05/11/2025 16:37	WG2512038
Di-n-butyl phthalate	ND		770	2	05/11/2025 16:37	WG2512038
Diethyl phthalate	ND		770	2	05/11/2025 16:37	WG2512038
Dimethyl phthalate	ND		770	2	05/11/2025 16:37	WG2512038
Di-n-octyl phthalate	ND		770	2	05/11/2025 16:37	WG2512038
1,2,4-Trichlorobenzene	ND		770	2	05/11/2025 16:37	WG2512038
4-Chloro-3-methylphenol	ND		770	2	05/11/2025 16:37	WG2512038
2-Chlorophenol	ND		770	2	05/11/2025 16:37	WG2512038
2,4-Dichlorophenol	ND		770	2	05/11/2025 16:37	WG2512038
2,4-Dimethylphenol	ND	C3	770	2	05/11/2025 16:37	WG2512038
4,6-Dinitro-2-methylphenol	ND	J4	770	2	05/11/2025 16:37	WG2512038
2,4-Dinitrophenol	ND		770	2	05/11/2025 16:37	WG2512038
2-Nitrophenol	ND		770	2	05/11/2025 16:37	WG2512038
4-Nitrophenol	ND		770	2	05/11/2025 16:37	WG2512038
Pentachlorophenol	ND		770	2	05/11/2025 16:37	WG2512038
Phenol	ND	C3	770	2	05/11/2025 16:37	WG2512038
2,4,6-Trichlorophenol	ND		770	2	05/11/2025 16:37	WG2512038
(S) 2-Fluorophenol	*56.9*		*12.0-120*		*05/11/2025 16:37*	WG2512038
(S) Phenol-d5	*60.1*		*10.0-120*		*05/11/2025 16:37*	WG2512038
(S) Nitrobenzene-d5	*67.3*		*10.0-122*		*05/11/2025 16:37*	WG2512038
(S) 2-Fluorobiphenyl	*73.7*		*15.0-120*		*05/11/2025 16:37*	WG2512038
(S) 2,4,6-Tribromophenol	*96.2*		*10.0-127*		*05/11/2025 16:37*	WG2512038
(S) p-Terphenyl-d14	*78.0*		*10.0-120*		*05/11/2025 16:37*	WG2512038

Sample Narrative:

L1857512-25 WG2512038: 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	05/10/2025 17:31	WG2512002
Acrolein	ND	C3	50.0	1	05/10/2025 17:31	WG2512002
Acrylonitrile	ND		10.0	1	05/10/2025 17:31	WG2512002
Benzene	ND		1.00	1	05/10/2025 17:31	WG2512002
Bromobenzene	ND		1.00	1	05/10/2025 17:31	WG2512002
Bromodichloromethane	ND		1.00	1	05/10/2025 17:31	WG2512002
Bromoform	ND		1.00	1	05/10/2025 17:31	WG2512002
Bromomethane	ND		5.00	1	05/10/2025 17:31	WG2512002
n-Butylbenzene	ND		1.00	1	05/10/2025 17:31	WG2512002
sec-Butylbenzene	ND		1.00	1	05/10/2025 17:31	WG2512002
tert-Butylbenzene	ND		1.00	1	05/10/2025 17:31	WG2512002
Carbon tetrachloride	ND		1.00	1	05/10/2025 17:31	WG2512002
Chlorobenzene	ND		1.00	1	05/10/2025 17:31	WG2512002
Chlorodibromomethane	ND		1.00	1	05/10/2025 17:31	WG2512002
Chloroethane	ND		5.00	1	05/10/2025 17:31	WG2512002
Chloroform	ND		5.00	1	05/10/2025 17:31	WG2512002
Chloromethane	ND		2.50	1	05/10/2025 17:31	WG2512002
2-Chlorotoluene	ND		1.00	1	05/10/2025 17:31	WG2512002
4-Chlorotoluene	ND		1.00	1	05/10/2025 17:31	WG2512002
1,2-Dibromo-3-Chloropropane	ND		5.00	1	05/10/2025 17:31	WG2512002
1,2-Dibromoethane	ND		1.00	1	05/10/2025 17:31	WG2512002
Dibromomethane	ND		1.00	1	05/10/2025 17:31	WG2512002
1,2-Dichlorobenzene	ND		1.00	1	05/10/2025 17:31	WG2512002
1,3-Dichlorobenzene	ND		1.00	1	05/10/2025 17:31	WG2512002
1,4-Dichlorobenzene	ND		1.00	1	05/10/2025 17:31	WG2512002
Dichlorodifluoromethane	ND		5.00	1	05/10/2025 17:31	WG2512002
1,1-Dichloroethane	ND		1.00	1	05/10/2025 17:31	WG2512002
1,2-Dichloroethane	ND		1.00	1	05/10/2025 17:31	WG2512002
1,1-Dichloroethene	ND		1.00	1	05/10/2025 17:31	WG2512002
cis-1,2-Dichloroethene	ND		1.00	1	05/10/2025 17:31	WG2512002
trans-1,2-Dichloroethene	ND		1.00	1	05/10/2025 17:31	WG2512002
1,2-Dichloropropane	ND		1.00	1	05/10/2025 17:31	WG2512002
1,1-Dichloropropene	ND		1.00	1	05/10/2025 17:31	WG2512002
1,3-Dichloropropane	ND		1.00	1	05/10/2025 17:31	WG2512002
cis-1,3-Dichloropropene	ND		1.00	1	05/10/2025 17:31	WG2512002
trans-1,3-Dichloropropene	ND		1.00	1	05/10/2025 17:31	WG2512002
2,2-Dichloropropane	ND		1.00	1	05/10/2025 17:31	WG2512002
Di-isopropyl ether	ND		1.00	1	05/10/2025 17:31	WG2512002
Ethylbenzene	ND		1.00	1	05/10/2025 17:31	WG2512002
Hexachloro-1,3-butadiene	ND		1.00	1	05/10/2025 17:31	WG2512002
Isopropylbenzene	ND		1.00	1	05/10/2025 17:31	WG2512002
p-Isopropyltoluene	ND		1.00	1	05/10/2025 17:31	WG2512002
2-Butanone (MEK)	ND		10.0	1	05/10/2025 17:31	WG2512002
Methylene Chloride	ND		5.00	1	05/10/2025 17:31	WG2512002
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	05/10/2025 17:31	WG2512002
Methyl tert-butyl ether	ND		1.00	1	05/10/2025 17:31	WG2512002
Naphthalene	ND	C3	5.00	1	05/10/2025 17:31	WG2512002
n-Propylbenzene	ND		1.00	1	05/10/2025 17:31	WG2512002
Styrene	ND		1.00	1	05/10/2025 17:31	WG2512002
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/10/2025 17:31	WG2512002
1,1,2,2-Tetrachloroethane	ND		1.00	1	05/10/2025 17:31	WG2512002
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	05/10/2025 17:31	WG2512002
Tetrachloroethene	ND		1.00	1	05/10/2025 17:31	WG2512002
Toluene	ND		1.00	1	05/10/2025 17:31	WG2512002
1,2,3-Trichlorobenzene	ND	C3	1.00	1	05/10/2025 17:31	WG2512002
1,2,4-Trichlorobenzene	ND		1.00	1	05/10/2025 17:31	WG2512002

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	05/10/2025 17:31	WG2512002
1,1,2-Trichloroethane	ND		1.00	1	05/10/2025 17:31	WG2512002
Trichloroethene	ND		1.00	1	05/10/2025 17:31	WG2512002
Trichlorofluoromethane	ND		5.00	1	05/10/2025 17:31	WG2512002
1,2,3-Trichloropropane	ND		2.50	1	05/10/2025 17:31	WG2512002
1,2,4-Trimethylbenzene	ND		1.00	1	05/10/2025 17:31	WG2512002
1,2,3-Trimethylbenzene	ND		1.00	1	05/10/2025 17:31	WG2512002
1,3,5-Trimethylbenzene	ND		1.00	1	05/10/2025 17:31	WG2512002
Vinyl chloride	ND		1.00	1	05/10/2025 17:31	WG2512002
Xylenes, Total	ND		3.00	1	05/10/2025 17:31	WG2512002
(S) Toluene-d8	*103*		*80.0-120*		*05/10/2025 17:31*	WG2512002
(S) 4-Bromofluorobenzene	*88.9*		*77.0-126*		*05/10/2025 17:31*	WG2512002
(S) 1,2-Dichloroethane-d4	*116*		*70.0-130*		*05/10/2025 17:31*	WG2512002

Method Blank (MB)

(MB) R4213003-1 05/10/25 14:39

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

L1857512-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1857512-08 05/10/25 14:39 • (DUP) R4213003-3 05/10/25 14:39

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	83.9	79.4	1	5.48		10

Laboratory Control Sample (LCS)

(LCS) R4213003-2 05/10/25 14:39

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	99.9	90.0-110	

Method Blank (MB)

(MB) R4213005-1 05/10/25 14:56

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00300			

L1857512-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1857512-14 05/10/25 14:56 • (DUP) R4213005-3 05/10/25 14:56

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	81.3	81.8	1	0.623		10

Laboratory Control Sample (LCS)

(LCS) R4213005-2 05/10/25 14:56

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	49.9	99.9	90.0-110	

QUALITY CONTROL SUMMARY

L1857512-01,02,03,05,06,08,09

Method Blank (MB)

(MB) R4213721-1 05/13/25 01:13

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

L1857512-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1857512-01 05/13/25 01:19 • (DUP) R4213721-3 05/13/25 01:20

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

L1857512-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1857512-05 05/13/25 01:25 • (DUP) R4213721-4 05/13/25 01:26

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) R4213721-2 05/13/25 01:14

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	250000	240000	96.0	90.0-110	

L1857512-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1857512-08 05/13/25 01:34 • (MS) R4213721-5 05/13/25 01:35 • (MSD) R4213721-6 05/13/25 01:37

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	298000	ND	290000	309000	97.4	104	1	90.0-110			6.40	20

Method Blank (MB)

(MB) R4213142-1 05/12/25 01:13

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

L1857512-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1857512-10 05/12/25 01:16 • (DUP) R4213142-3 05/12/25 01:18

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

L1857512-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1857512-18 05/12/25 01:27 • (DUP) R4213142-4 05/12/25 01:33

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) R4213142-2 05/12/25 01:15

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	250000	241000	96.2	90.0-110	

L1857695-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1857695-05 05/12/25 01:57 • (MS) R4213142-5 05/12/25 01:58 • (MSD) R4213142-6 05/12/25 02:00

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	289000	ND	282000	283000	97.6	97.9	1	90.0-110			0.260	20

Method Blank (MB)

(MB) R4213692-1 05/12/25 23:55

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

L1857503-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1857503-09 05/12/25 23:57 • (DUP) R4213692-4 05/12/25 23:58

Analyte	Original Result (dry) ug/kg	DUP Result (dry) ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Kjeldahl Nitrogen, TKN	1780000	1930000	5	8.43		20

Laboratory Control Sample (LCS)

(LCS) R4213692-10 05/13/25 00:22

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Kjeldahl Nitrogen, TKN	432000	504000	117	81.7-124	

L1857512-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1857512-08 05/13/25 00:05 • (MS) R4213692-6 05/13/25 00:06 • (MSD) R4213692-8 05/13/25 00:10

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	477000	2780000	2000000	3190000	0.000	85.3	5	81.7-124	V	J3	45.9	20

QUALITY CONTROL SUMMARY

L1857512-10,12,13,14,15,16,18,19,20,22,23,24,25

Method Blank (MB)

(MB) R4213296-1 05/12/25 10:51

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

L1857512-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1857512-18 05/12/25 11:34 • (DUP) R4213296-12 05/12/25 11:35

Analyte	Original Result (dry) ug/kg	DUP Result (dry) ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Kjeldahl Nitrogen, TKN	2100000	1930000	5	8.62		20

L1857512-22 Original Sample (OS) • Duplicate (DUP)

(OS) L1857512-22 05/12/25 11:38 • (DUP) R4213296-14 05/12/25 11:42

Analyte	Original Result (dry) ug/kg	DUP Result (dry) ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Kjeldahl Nitrogen, TKN	2060000	2130000	5	3.25		20

Laboratory Control Sample (LCS)

(LCS) R4213296-3 05/12/25 10:52

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Kjeldahl Nitrogen, TKN	480000	464000	96.6	81.7-124	

L1857512-10 Original Sample (OS) • Matrix Spike (MS)

(OS) L1857512-10 05/12/25 11:24 • (MS) R4213296-10 05/12/25 11:25

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	490000	2460000	2610000	31.1	5	81.7-124	V

L1857695-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1857695-05 05/12/25 11:51 • (MS) R4213296-16 05/12/25 11:52 • (MSD) R4213296-18 05/12/25 11:53

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	%	%		%			%	%
Kjeldahl Nitrogen, TKN	462000	1910000	2400000	2330000	106	90.6	5	81.7-124			2.94	20

Method Blank (MB)

(MB) R4213002-1 05/10/25 18:24

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Nitrate-Nitrite	1260	J	606	20000

Laboratory Control Sample (LCS)

(LCS) R4213002-2 05/10/25 18:40

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	40000	37200	92.9	80.0-120	

L1857512-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1857512-08 05/10/25 23:02 • (MS) R4213002-3 05/10/25 23:18 • (MSD) R4213002-4 05/10/25 23:35

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	47700	ND	ND	ND	82.9	71.0	10.2	80.0-120		J6	4.48	15

Sample Narrative:

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

Method Blank (MB)

(MB) R4212955-1 05/10/25 19:39

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) R4212955-2 05/10/25 19:53

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	40000	37500	93.8	80.0-120	

L1857486-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1857486-01 05/10/25 21:00 • (MS) R4212955-3 05/10/25 21:14 • (MSD) R4212955-4 05/10/25 21:27

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	47900	ND	54400	60000	98.4	110	1	80.0-120			9.72	15

Method Blank (MB)

(MB) R4213585-1 05/12/25 17:49

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

L1857512-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1857512-01 05/12/25 17:50 • (DUP) R4213585-3 05/12/25 17:50

Analyte	Original Result ug/kg	DUP Result ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC By Walkley Black	22200000	23200000	5	4.39		20

L1857512-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1857512-03 05/12/25 17:52 • (DUP) R4213585-4 05/12/25 17:52

Analyte	Original Result ug/kg	DUP Result ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC By Walkley Black	29800000	31800000	5	6.69		20

Laboratory Control Sample (LCS)

(LCS) R4213585-2 05/12/25 17:50

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC By Walkley Black	3230000	4200000	130	75.0-144	

L1857512-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1857512-08 05/12/25 17:54 • (MS) R4213585-5 05/12/25 17:55 • (MSD) R4213585-6 05/12/25 17:55

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	31600000	51400000	53300000	99.0	109	5	80.0-120	E	E	3.70	20

Method Blank (MB)

(MB) R4214144-1 05/13/25 16:48

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

L1857483-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1857483-01 05/13/25 16:51 • (DUP) R4214144-3 05/13/25 16:53

Analyte	Original Result ug/kg	DUP Result ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC By Walkley Black	21300000	21500000	9	1.05		20

L1857503-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1857503-01 05/13/25 16:54 • (DUP) R4214144-4 05/13/25 16:58

Analyte	Original Result ug/kg	DUP Result ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC By Walkley Black	28600000	29100000	10	1.79		20

Laboratory Control Sample (LCS)

(LCS) R4214144-2 05/13/25 16:49

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC By Walkley Black	3230000	4040000	125	75.0-144	

L1857503-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1857503-09 05/13/25 17:05 • (MS) R4214144-5 05/13/25 17:07 • (MSD) R4214144-6 05/13/25 17:08

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	24200000	46900000	46900000	113	114	5	80.0-120			0.156	20

Method Blank (MB)

(MB) R4212890-1 05/10/25 22:43

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) R4212890-2 05/10/25 22:45

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	1000000	854000	85.4	80.0-120	
Antimony	100000	85300	85.3	80.0-120	
Beryllium	100000	89500	89.5	80.0-120	
Calcium	1000000	875000	87.5	80.0-120	
Cobalt	100000	85800	85.8	80.0-120	
Iron	1000000	888000	88.8	80.0-120	
Magnesium	1000000	825000	82.5	80.0-120	
Manganese	100000	92300	92.3	80.0-120	
Potassium	1000000	876000	87.6	80.0-120	
Sodium	1000000	906000	90.6	80.0-120	
Thallium	100000	89500	89.5	80.0-120	
Vanadium	100000	86500	86.5	80.0-120	

L1857512-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1857512-08 05/10/25 22:47 • (MS) R4212890-5 05/10/25 22:53 • (MSD) R4212890-6 05/10/25 22:54

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	1190000	4340000	4420000	4230000	6.70	0.000	1	75.0-125	J6	J6	4.37	20
Antimony	119000	ND	102000	110000	85.6	92.5	1	75.0-125			7.71	20

L1857512-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1857512-08 05/10/25 22:47 • (MS) R4212890-5 05/10/25 22:53 • (MSD) R4212890-6 05/10/25 22:54

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	119000	528	121000	128000	101	107	1	75.0-125			5.62	20
Calcium	1190000	31000000	31000000	30500000	0.000	0.000	1	75.0-125	V	V	1.58	20
Cobalt	119000	4300	122000	128000	98.7	104	1	75.0-125			5.16	20
Iron	1190000	8970000	7130000	6780000	0.000	0.000	1	75.0-125	V	V	5.03	20
Magnesium	1190000	4010000	4620000	4590000	51.8	49.2	1	75.0-125	J6	J6	0.653	20
Manganese	119000	314000	392000	404000	65.4	75.5	1	75.0-125	J6		3.03	20
Potassium	1190000	1590000	2600000	2580000	84.9	83.6	1	75.0-125			0.605	20
Sodium	1190000	321000	1500000	1570000	98.9	104	1	75.0-125			4.30	20
Thallium	119000	ND	120000	127000	100	106	1	75.0-125			5.62	20
Vanadium	119000	13600	124000	131000	92.6	98.3	1	75.0-125			5.27	20

Method Blank (MB)

(MB) R4212889-1 05/10/25 21:34

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) R4212889-2 05/10/25 21:35

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	1000000	893000	89.3	80.0-120	
Antimony	100000	89800	89.8	80.0-120	
Beryllium	100000	93300	93.3	80.0-120	
Calcium	1000000	913000	91.3	80.0-120	
Cobalt	100000	89200	89.2	80.0-120	
Iron	1000000	928000	92.8	80.0-120	
Magnesium	1000000	855000	85.5	80.0-120	
Manganese	100000	97200	97.2	80.0-120	
Potassium	1000000	922000	92.2	80.0-120	
Sodium	1000000	950000	95.0	80.0-120	
Thallium	100000	94600	94.6	80.0-120	
Vanadium	100000	90500	90.5	80.0-120	

L1857483-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1857483-02 05/10/25 21:37 • (MS) R4212889-5 05/10/25 21:43 • (MSD) R4212889-6 05/10/25 21:44

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	2970000	5020000	3760000	180	69.5	1	75.0-125	J5	J3 J6	28.7	20
Antimony	114000	ND	83300	83200	73.2	73.1	1	75.0-125	J6	J6	0.0973	20

L1857483-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1857483-02 05/10/25 21:37 • (MS) R4212889-5 05/10/25 21:43 • (MSD) R4212889-6 05/10/25 21:44

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	%	%		%			%	%
Beryllium	114000	444	105000	103000	91.5	89.8	1	75.0-125			1.83	20
Calcium	1140000	2480000	3820000	3550000	118	93.7	1	75.0-125			7.40	20
Cobalt	114000	2900	105000	103000	89.9	88.0	1	75.0-125			2.09	20
Iron	1140000	6850000	6620000	4520000	0.000	0.000	1	75.0-125	V	J3 V	37.8	20
Magnesium	1140000	1290000	2480000	2210000	104	80.9	1	75.0-125			11.2	20
Manganese	114000	237000	296000	291000	51.5	47.9	1	75.0-125	J6	J6	1.39	20
Potassium	1140000	1240000	2490000	2260000	110	88.8	1	75.0-125			9.95	20
Sodium	1140000	ND	1210000	1080000	101	90.1	1	75.0-125			11.3	20
Thallium	114000	ND	104000	103000	91.0	90.1	1	75.0-125			0.961	20
Vanadium	114000	12500	108000	105000	84.0	81.5	1	75.0-125			2.72	20

Method Blank (MB)

(MB) R4212902-2 05/10/25 12:32

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) R4212902-2 05/10/25 12:32

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	*107*			*80.0-120*
(S) 4-Bromofluorobenzene	*92.9*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4212902-1 05/10/25 11:53

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	40.0	160	19.0-160	
Acrolein	25.0	7.32	29.3	10.0-160	
Acrylonitrile	25.0	30.2	121	55.0-149	
Benzene	5.00	4.97	99.4	70.0-123	

Laboratory Control Sample (LCS)

(LCS) R4212902-1 05/10/25 11:53

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromobenzene	5.00	5.06	101	73.0-121	
Bromodichloromethane	5.00	5.71	114	75.0-120	
Bromoform	5.00	5.88	118	68.0-132	
Bromomethane	5.00	4.62	92.4	10.0-160	
n-Butylbenzene	5.00	5.25	105	73.0-125	
sec-Butylbenzene	5.00	5.47	109	75.0-125	
tert-Butylbenzene	5.00	5.49	110	76.0-124	
Carbon tetrachloride	5.00	6.08	122	68.0-126	
Chlorobenzene	5.00	5.22	104	80.0-121	
Chlorodibromomethane	5.00	5.67	113	77.0-125	
Chloroethane	5.00	5.16	103	47.0-150	
Chloroform	5.00	5.07	101	73.0-120	
Chloromethane	5.00	5.60	112	41.0-142	
2-Chlorotoluene	5.00	5.06	101	76.0-123	
4-Chlorotoluene	5.00	4.98	99.6	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	5.66	113	58.0-134	
1,2-Dibromoethane	5.00	5.40	108	80.0-122	
Dibromomethane	5.00	5.45	109	80.0-120	
1,2-Dichlorobenzene	5.00	5.50	110	79.0-121	
1,3-Dichlorobenzene	5.00	5.39	108	79.0-120	
1,4-Dichlorobenzene	5.00	5.09	102	79.0-120	
Dichlorodifluoromethane	5.00	6.37	127	51.0-149	
1,1-Dichloroethane	5.00	5.26	105	70.0-126	
1,2-Dichloroethane	5.00	5.76	115	70.0-128	
1,1-Dichloroethene	5.00	4.79	95.8	71.0-124	
cis-1,2-Dichloroethene	5.00	4.98	99.6	73.0-120	
trans-1,2-Dichloroethene	5.00	4.92	98.4	73.0-120	
1,2-Dichloropropane	5.00	5.07	101	77.0-125	
1,1-Dichloropropene	5.00	4.72	94.4	74.0-126	
1,3-Dichloropropane	5.00	5.16	103	80.0-120	
cis-1,3-Dichloropropene	5.00	5.12	102	80.0-123	
trans-1,3-Dichloropropene	5.00	4.78	95.6	78.0-124	
2,2-Dichloropropane	5.00	4.33	86.6	58.0-130	
Di-isopropyl ether	5.00	5.21	104	58.0-138	
Ethylbenzene	5.00	4.83	96.6	79.0-123	
Hexachloro-1,3-butadiene	5.00	5.26	105	54.0-138	
Isopropylbenzene	5.00	5.31	106	76.0-127	
p-Isopropyltoluene	5.00	5.35	107	76.0-125	
2-Butanone (MEK)	25.0	32.8	131	44.0-160	
Methylene Chloride	5.00	4.62	92.4	67.0-120	

Laboratory Control Sample (LCS)

(LCS) R4212902-1 05/10/25 11:53

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Methyl-2-pentanone (MIBK)	25.0	28.2	113	68.0-142	
Methyl tert-butyl ether	5.00	5.16	103	68.0-125	
Naphthalene	5.00	3.73	74.6	54.0-135	
n-Propylbenzene	5.00	5.34	107	77.0-124	
Styrene	5.00	4.36	87.2	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	6.14	123	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	4.65	93.0	65.0-130	
1,1,2-Trichlorotrifluoroethane	5.00	5.29	106	69.0-132	
Tetrachloroethene	5.00	5.48	110	72.0-132	
Toluene	5.00	4.94	98.8	79.0-120	
1,2,3-Trichlorobenzene	5.00	3.76	75.2	50.0-138	
1,2,4-Trichlorobenzene	5.00	4.00	80.0	57.0-137	
1,1,1-Trichloroethane	5.00	5.63	113	73.0-124	
1,1,2-Trichloroethane	5.00	5.48	110	80.0-120	
Trichloroethene	5.00	5.64	113	78.0-124	
Trichlorofluoromethane	5.00	5.28	106	59.0-147	
1,2,3-Trichloropropane	5.00	5.58	112	73.0-130	
1,2,4-Trimethylbenzene	5.00	5.13	103	76.0-121	
1,2,3-Trimethylbenzene	5.00	5.14	103	77.0-120	
1,3,5-Trimethylbenzene	5.00	5.28	106	76.0-122	
Vinyl chloride	5.00	5.04	101	67.0-131	
Xylenes, Total	15.0	14.6	97.3	79.0-123	
(S) Toluene-d8			*102*	*80.0-120*	
(S) 4-Bromofluorobenzene			*97.0*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*111*	*70.0-130*	

Method Blank (MB)

(MB) R4212905-2 05/10/25 19:17

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) R4212905-2 05/10/25 19:17

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	*98.1*			*75.0-131*
(S) 4-Bromofluorobenzene	*93.4*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4212905-1 05/10/25 17:41

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	625	700	112	10.0-160	
Acrylonitrile	625	468	74.9	45.0-153	
Bromobenzene	125	131	105	73.0-121	
Bromodichloromethane	125	130	104	73.0-121	
Bromoform	125	107	85.6	64.0-132	
Bromomethane	125	123	98.4	56.0-147	
n-Butylbenzene	125	143	114	68.0-135	
sec-Butylbenzene	125	135	108	74.0-130	
tert-Butylbenzene	125	128	102	75.0-127	
Carbon tetrachloride	125	126	101	66.0-128	
Chlorobenzene	125	109	87.2	76.0-128	
Chlorodibromomethane	125	104	83.2	74.0-127	

Laboratory Control Sample (LCS)

(LCS) R4212905-1 05/10/25 17:41

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloroethane	125	124	99.2	61.0-134	
Chloroform	125	148	118	72.0-123	
Chloromethane	125	90.9	72.7	51.0-138	
2-Chlorotoluene	125	123	98.4	75.0-124	
4-Chlorotoluene	125	143	114	75.0-124	
1,2-Dibromo-3-Chloropropane	125	91.7	73.4	59.0-130	
1,2-Dibromoethane	125	112	89.6	74.0-128	
Dibromomethane	125	128	102	75.0-122	
1,2-Dichlorobenzene	125	126	101	76.0-124	
1,3-Dichlorobenzene	125	132	106	76.0-125	
1,4-Dichlorobenzene	125	126	101	77.0-121	
Dichlorodifluoromethane	125	146	117	43.0-156	
1,1-Dichloroethane	125	118	94.4	70.0-127	
1,2-Dichloroethane	125	138	110	65.0-131	
1,1-Dichloroethene	125	124	99.2	65.0-131	
cis-1,2-Dichloroethene	125	115	92.0	73.0-125	
trans-1,2-Dichloroethene	125	117	93.6	71.0-125	
1,2-Dichloropropane	125	114	91.2	74.0-125	
1,1-Dichloropropene	125	133	106	73.0-125	
1,3-Dichloropropane	125	119	95.2	80.0-125	
cis-1,3-Dichloropropene	125	134	107	76.0-127	
trans-1,3-Dichloropropene	125	132	106	73.0-127	
2,2-Dichloropropane	125	130	104	59.0-135	
Di-isopropyl ether	125	103	82.4	60.0-136	
Hexachloro-1,3-butadiene	125	134	107	57.0-150	
Isopropylbenzene	125	111	88.8	72.0-127	
p-Isopropyltoluene	125	130	104	72.0-133	
2-Butanone (MEK)	625	577	92.3	30.0-160	
Methylene Chloride	125	137	110	68.0-123	
4-Methyl-2-pentanone (MIBK)	625	479	76.6	56.0-143	
Methyl tert-butyl ether	125	140	112	66.0-132	
n-Propylbenzene	125	139	111	74.0-126	
Styrene	125	108	86.4	72.0-127	
1,1,1,2-Tetrachloroethane	125	106	84.8	74.0-129	
1,1,2,2-Tetrachloroethane	125	122	97.6	68.0-128	
1,1,2-Trichlorotrifluoroethane	125	133	106	61.0-139	
Tetrachloroethene	125	103	82.4	70.0-136	
1,2,3-Trichlorobenzene	125	113	90.4	59.0-139	
1,2,4-Trichlorobenzene	125	118	94.4	62.0-137	
1,1,1-Trichloroethane	125	127	102	69.0-126	

Laboratory Control Sample (LCS)

(LCS) R4212905-1 05/10/25 17:41

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,1,2-Trichloroethane	125	113	90.4	78.0-123	
Trichloroethene	125	108	86.4	76.0-126	
Trichlorofluoromethane	125	139	111	61.0-142	
1,2,3-Trichloropropane	125	134	107	67.0-129	
1,2,3-Trimethylbenzene	125	141	113	74.0-124	
Vinyl chloride	125	117	93.6	63.0-134	
(S) Toluene-d8			*92.7*	*75.0-131*	
(S) 4-Bromofluorobenzene			*90.4*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*113*	*70.0-130*	

L1857512-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1857512-08 05/10/25 21:39 • (MS) R4212905-3 05/11/25 02:49 • (MSD) R4212905-4 05/11/25 03:10

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 %
Acetone	865	ND	475	675	54.9	78.1	1	10.0-160			34.9	40
Acrylonitrile	865	ND	615	704	71.0	81.4	1	10.0-160			13.6	40
Bromobenzene	173	ND	163	170	94.4	98.4	1	10.0-156			4.15	38
Bromodichloromethane	173	ND	166	167	96.0	96.8	1	10.0-143			0.830	37
Bromoform	173	ND	128	127	73.8	73.1	1	10.0-146			0.871	36
Bromomethane	173	ND	181	172	105	99.2	1	10.0-149			5.49	38
n-Butylbenzene	173	ND	199	198	115	114	1	10.0-160			0.697	40
sec-Butylbenzene	173	ND	185	184	107	106	1	10.0-159			0.749	39
tert-Butylbenzene	173	ND	172	176	99.2	102	1	10.0-156			2.39	39
Carbon tetrachloride	173	ND	173	173	100	100	1	10.0-145			0.000	37
Chlorobenzene	173	ND	140	148	80.8	85.6	1	10.0-152			5.77	39
Chlorodibromomethane	173	ND	129	133	74.8	76.8	1	10.0-146			2.64	37
Chloroethane	173	ND	154	166	88.8	96.0	1	10.0-146			7.79	40
Chloroform	173	ND	197	208	114	120	1	10.0-146			5.48	37
Chloromethane	173	ND	104	104	60.2	60.2	1	10.0-159			0.000	37
2-Chlorotoluene	173	ND	155	165	89.6	95.2	1	10.0-159			6.06	38
4-Chlorotoluene	173	ND	190	188	110	109	1	10.0-155			0.733	39
1,2-Dibromo-3-Chloropropane	173	ND	97.6	105	56.4	60.6	1	10.0-151			7.11	39
1,2-Dibromoethane	173	ND	141	145	81.6	84.0	1	10.0-148			2.90	34
Dibromomethane	173	ND	167	167	96.8	96.8	1	10.0-147			0.000	35
1,2-Dichlorobenzene	173	ND	154	165	88.8	95.2	1	10.0-155			6.96	37
1,3-Dichlorobenzene	173	ND	166	180	96.0	104	1	10.0-153			8.00	38
1,4-Dichlorobenzene	173	ND	167	166	96.8	96.0	1	10.0-151			0.830	38
Dichlorodifluoromethane	173	ND	197	191	114	110	1	10.0-160			2.86	35

L1857512-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1857512-08 05/10/25 21:39 • (MS) R4212905-3 05/11/25 02:49 • (MSD) R4212905-4 05/11/25 03:10

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 %
1,1-Dichloroethane	173	ND	167	166	96.8	96.0	1	10.0-147			0.830	37
1,2-Dichloroethane	173	ND	180	181	104	105	1	10.0-148			0.766	35
1,1-Dichloroethene	173	ND	203	183	118	106	1	10.0-155			10.8	37
cis-1,2-Dichloroethene	173	ND	148	152	85.6	88.0	1	10.0-149			2.76	37
trans-1,2-Dichloroethene	173	ND	161	162	92.8	93.6	1	10.0-150			0.858	37
1,2-Dichloropropane	173	ND	158	162	91.2	93.6	1	10.0-148			2.60	37
1,1-Dichloropropene	173	ND	180	180	104	104	1	10.0-153			0.000	35
1,3-Dichloropropane	173	ND	155	161	89.6	92.8	1	10.0-154			3.51	35
cis-1,3-Dichloropropene	173	ND	169	173	97.6	100	1	10.0-151			2.43	37
trans-1,3-Dichloropropene	173	ND	181	177	105	102	1	10.0-148			2.32	37
2,2-Dichloropropane	173	ND	197	191	114	110	1	10.0-138			2.86	36
Di-isopropyl ether	173	ND	147	151	84.8	87.2	1	10.0-147			2.79	36
Hexachloro-1,3-butadiene	173	ND	185	201	107	116	1	10.0-160			7.89	40
Isopropylbenzene	173	ND	152	155	88.0	89.6	1	10.0-155			1.80	38
p-Isopropyltoluene	173	ND	180	181	104	105	1	10.0-160			0.766	40
2-Butanone (MEK)	865	ND	396	559	45.8	64.6	1	10.0-160			34.2	40
Methylene Chloride	173	ND	180	187	104	108	1	10.0-141			3.77	37
4-Methyl-2-pentanone (MIBK)	865	ND	674	674	77.9	77.9	1	10.0-160			0.000	35
Methyl tert-butyl ether	173	ND	194	197	112	114	1	11.0-147			1.42	35
n-Propylbenzene	173	ND	195	195	113	113	1	10.0-158			0.000	38
Styrene	173	ND	151	152	87.2	88.0	1	10.0-160			0.913	40
1,1,1,2-Tetrachloroethane	173	ND	144	138	83.2	79.9	1	10.0-149			4.02	39
1,1,2,2-Tetrachloroethane	173	ND	132	141	76.3	81.6	1	10.0-160			6.69	35
1,1,2-Trichlorotrifluoroethane	173	ND	215	185	124	107	1	10.0-160			14.5	36
Tetrachloroethene	173	ND	141	152	81.6	88.0	1	10.0-156			7.55	39
1,2,3-Trichlorobenzene	173	ND	127	141	73.5	81.6	1	10.0-160			10.4	40
1,2,4-Trichlorobenzene	173	ND	135	154	78.1	88.8	1	10.0-160			12.8	40
1,1,1-Trichloroethane	173	ND	181	177	105	102	1	10.0-144			2.32	35
1,1,2-Trichloroethane	173	ND	151	155	87.2	89.6	1	10.0-160			2.71	35
Trichloroethene	173	ND	158	162	91.2	93.6	1	10.0-156			2.60	38
Trichlorofluoromethane	173	ND	181	129	105	74.7	1	10.0-160			33.5	40
1,2,3-Trichloropropane	173	ND	159	169	92.0	97.6	1	10.0-156			5.91	35
1,2,3-Trimethylbenzene	173	ND	183	180	106	104	1	10.0-160			1.53	36
Vinyl chloride	173	ND	156	148	90.4	85.6	1	10.0-160			5.45	37
(S) Toluene-d8					*93.7*	*92.3*		*75.0-131*				
(S) 4-Bromofluorobenzene					*89.9*	*89.6*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*121*	*121*		*70.0-130*				

Method Blank (MB)

(MB) R4212977-2 05/10/25 22:23

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) R4212977-2 05/10/25 22:23

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	*79.7*			*12.0-120*
(S) Phenol-d5	*65.3*			*10.0-120*
(S) Nitrobenzene-d5	*55.6*			*10.0-122*
(S) 2-Fluorobiphenyl	*70.0*			*15.0-120*
(S) 2,4,6-Tribromophenol	*90.5*			*10.0-127*
(S) p-Terphenyl-d14	*76.3*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4212977-1 05/10/25 22:02

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthylene	666	584	87.7	40.0-120	
Benzidine	1330	606	45.6	10.0-120	
Benzo(g,h,i)perylene	666	601	90.2	43.0-120	
Bis(2-chlorethoxy)methane	666	374	56.2	20.0-120	
Bis(2-chloroethyl)ether	666	471	70.7	16.0-120	
2,2-Oxybis(1-Chloropropane)	666	554	83.2	23.0-120	
4-Bromophenyl-phenylether	666	691	104	40.0-120	
2-Chloronaphthalene	666	564	84.7	35.0-120	
4-Chlorophenyl-phenylether	666	673	101	40.0-120	
1,2-Dichlorobenzene	666	486	73.0	32.0-120	
1,3-Dichlorobenzene	666	500	75.1	30.0-120	
1,4-Dichlorobenzene	666	520	78.1	31.0-120	
3,3-Dichlorobenzidine	1330	1460	110	28.0-120	
2,4-Dinitrotoluene	666	701	105	45.0-120	
2,6-Dinitrotoluene	666	688	103	42.0-120	
Hexachlorobenzene	666	640	96.1	39.0-120	
Hexachloro-1,3-butadiene	666	531	79.7	15.0-120	
Hexachlorocyclopentadiene	666	225	33.8	15.0-120	
Hexachloroethane	666	466	70.0	17.0-120	
Isophorone	666	406	61.0	23.0-120	
Nitrobenzene	666	387	58.1	17.0-120	
n-Nitrosodimethylamine	666	644	96.7	10.0-125	
n-Nitrosodiphenylamine	666	566	85.0	40.0-120	
n-Nitrosodi-n-propylamine	666	425	63.8	26.0-120	

Laboratory Control Sample (LCS)

(LCS) R4212977-1 05/10/25 22:02

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Phenanthrene	666	591	88.7	42.0-120	
Benzylbutyl phthalate	666	720	108	40.0-120	
Bis(2-ethylhexyl)phthalate	666	649	97.4	41.0-120	
Di-n-butyl phthalate	666	611	91.7	43.0-120	
Diethyl phthalate	666	674	101	43.0-120	
Dimethyl phthalate	666	674	101	43.0-120	
Di-n-octyl phthalate	666	749	112	40.0-120	
1,2,4-Trichlorobenzene	666	479	71.9	17.0-120	
4-Chloro-3-methylphenol	666	498	74.8	28.0-120	
2-Chlorophenol	666	524	78.7	28.0-120	
2,4-Dichlorophenol	666	515	77.3	25.0-120	
2,4-Dimethylphenol	666	435	65.3	15.0-120	
4,6-Dinitro-2-methylphenol	666	859	129	16.0-120	J4
2,4-Dinitrophenol	666	755	113	10.0-120	
2-Nitrophenol	666	534	80.2	20.0-120	
4-Nitrophenol	666	620	93.1	27.0-120	
Pentachlorophenol	666	549	82.4	29.0-120	
Phenol	666	485	72.8	28.0-120	
2,4,6-Trichlorophenol	666	673	101	37.0-120	
(S) 2-Fluorophenol			*102*	*12.0-120*	
(S) Phenol-d5			*83.0*	*10.0-120*	
(S) Nitrobenzene-d5			*54.7*	*10.0-122*	
(S) 2-Fluorobiphenyl			*89.8*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*123*	*10.0-127*	
(S) p-Terphenyl-d14			*92.5*	*10.0-120*	

L1857512-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1857512-08 05/11/25 14:31 • (MS) R4213082-1 05/11/25 14:52 • (MSD) R4213082-2 05/11/25 15:13

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	786	ND	678	673	86.2	86.7	2	25.0-120			0.705	32
Benzidine	1570	ND	ND	ND	15.0	15.2	2	10.0-120			0.506	40
Benzo(g,h,i)perylene	786	ND	603	565	76.7	72.7	2	10.0-120			6.53	33
Bis(2-chlorethoxy)methane	786	ND	ND	ND	52.0	54.1	2	10.0-120			2.87	34
Bis(2-chloroethyl)ether	786	ND	ND	ND	62.9	61.2	2	10.0-120			3.93	40
2,2-Oxybis(1-Chloropropane)	786	ND	ND	ND	63.8	61.7	2	10.0-120			4.62	40
4-Bromophenyl-phenylether	786	ND	ND	ND	87.0	89.7	2	27.0-120			1.90	30
2-Chloronaphthalene	786	ND	684	585	87.0	75.3	2	20.0-120			15.6	32

L1857512-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1857512-08 05/11/25 14:31 • (MS) R4213082-1 05/11/25 14:52 • (MSD) R4213082-2 05/11/25 15:13

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	786	ND	ND	ND	91.1	89.3	2	24.0-120			3.21	29
1,2-Dichlorobenzene	786	ND	ND	ND	62.9	67.9	2	10.0-120			6.53	38
1,3-Dichlorobenzene	786	ND	ND	ND	60.2	63.0	2	10.0-120			3.47	40
1,4-Dichlorobenzene	786	ND	ND	ND	64.1	67.3	2	10.0-120			3.71	39
3,3-Dichlorobenzidine	1570	ND	ND	ND	41.0	33.5	2	10.0-120			21.7	34
2,4-Dinitrotoluene	786	ND	ND	ND	100	97.7	2	30.0-120			4.00	31
2,6-Dinitrotoluene	786	ND	804	ND	102	90.8	2	25.0-120			13.1	31
Hexachlorobenzene	786	ND	ND	ND	85.5	86.2	2	27.0-120			0.355	28
Hexachloro-1,3-butadiene	786	ND	ND	ND	69.7	72.1	2	10.0-120			2.15	38
Hexachlorocyclopentadiene	786	ND	ND	ND	5.92	3.40	2	10.0-120	J6	J3 J6	55.1	40
Hexachloroethane	786	ND	ND	ND	56.4	46.0	2	10.0-120			21.4	40
Isophorone	786	ND	ND	ND	60.5	61.3	2	13.0-120			0.250	34
Nitrobenzene	786	ND	ND	ND	61.2	61.7	2	10.0-120			0.496	36
n-Nitrosodimethylamine	786	ND	820	ND	104	78.8	2	10.0-127			29.0	40
n-Nitrosodiphenylamine	786	ND	ND	ND	78.2	77.6	2	17.0-120			1.96	29
n-Nitrosodi-n-propylamine	786	ND	ND	ND	69.7	61.3	2	10.0-120			14.0	37
Phenanthrene	786	ND	604	602	76.8	77.5	2	17.0-120			0.395	31
Benzylbutyl phthalate	786	ND	ND	ND	90.9	93.3	2	23.0-120			1.32	30
Bis(2-ethylhexyl)phthalate	786	ND	ND	ND	95.5	100	2	17.0-126			3.74	30
Di-n-butyl phthalate	786	ND	ND	ND	95.9	98.6	2	30.0-120			1.57	29
Diethyl phthalate	786	ND	ND	ND	95.2	96.3	2	26.0-120			0.000	28
Dimethyl phthalate	786	ND	ND	ND	101	88.0	2	25.0-120			14.7	29
Di-n-octyl phthalate	786	ND	ND	ND	93.0	97.1	2	21.0-123			3.05	29
1,2,4-Trichlorobenzene	786	ND	ND	ND	66.7	70.4	2	12.0-120			4.23	37
4-Chloro-3-methylphenol	786	ND	ND	ND	66.5	64.1	2	15.0-120			4.90	30
2-Chlorophenol	786	ND	ND	ND	63.8	63.8	2	15.0-120			1.19	37
2,4-Dichlorophenol	786	ND	ND	ND	72.9	75.2	2	20.0-120			1.85	31
2,4-Dimethylphenol	786	ND	ND	ND	60.6	62.0	2	10.0-120			0.995	33
4,6-Dinitro-2-methylphenol	786	ND	ND	ND	94.4	91.1	2	10.0-120			4.77	39
2,4-Dinitrophenol	786	ND	ND	ND	96.8	89.0	2	10.0-121			9.68	40
2-Nitrophenol	786	ND	ND	ND	71.7	75.9	2	12.0-120			4.55	39
4-Nitrophenol	786	ND	ND	ND	93.2	96.6	2	10.0-137			2.41	32
Pentachlorophenol	786	ND	ND	ND	72.7	72.2	2	10.0-160			1.89	31
Phenol	786	ND	ND	ND	56.4	60.6	2	12.0-120			6.00	38
2,4,6-Trichlorophenol	786	ND	ND	ND	100	87.6	2	19.0-120			14.9	32
(S) 2-Fluorophenol					*69.2*	*58.3*		*12.0-120*				
(S) Phenol-d5					*64.1*	*65.8*		*10.0-120*				
(S) Nitrobenzene-d5					*61.8*	*62.6*		*10.0-122*				
(S) 2-Fluorobiphenyl					*90.9*	*79.4*		*15.0-120*				

L1857512-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1857512-08 05/11/25 14:31 • (MS) R4213082-1 05/11/25 14:52 • (MSD) R4213082-2 05/11/25 15:13

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					*94.2*	*96.2*		*10.0-127*				
(S) p-Terphenyl-d14					*78.5*	*82.2*		*10.0-120*				

Sample Narrative:

OS: Dilution due to matrix impact during extract concentration procedure

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
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.
C4	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.
C7	The initial calibration verification standard (SSCV) associated with this data responded high.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J3	The associated batch QC was outside the established quality control range for precision.

GLOSSARY OF TERMS

Qualifier	Description
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.
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	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

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

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

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

C027

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

CHAIN-OF-CUSTODY Analytical Request Document

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

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

L1857512

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)

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
GACO0509T117S001	SS	G	-	-	5/9/2025	1340	3	-	-	X	X	X	X	-	-01
GACO0509T117S002	SS	G	-	-	5/9/2025	1355	3	-	-	X	X	X	X	-	-02
GACO0509T117S003	SS	G	-	-	5/9/2025	1340	3	-	-	X	X	X	X	-	-03
GACO0509T117T006	OT	-	-	-	5/9/2025	0700	2	-	-	-	-	-	-	X	-04

Preservation non-conformance identified for sample.

Sample Receipt Checklist
COC Seal Present/Intact: Y N NP If Applicable
COC Signed/Accurate: Y N VOA Zero Headspace: Y N
Bottles arrive intact: Y N Pres. Correct/Check: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N Condition: NCF OK
RA Screen <0.5 mR/hr: Y N
Containers: 66+ 12x TripB

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: Romeo Flores
Signature: [signature]

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C):	Corrected Temp. (°C):	[ ] On Ice
			AB 05/10/2025		

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
[signature]	05-09-25 18:00	[signature]	05/10/2025 1145 ~~1845~~

Tracking Number:

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

Page: 1 of 6

GACO0509T117S

Pace® Location Requested (City/State):

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

CHAIN-OF-CUSTODY Analytical Request Document

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LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

LL857512

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 **

Identify Container Preservative Type***

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 (8oz, 1)	SVOCs 8270E; Metals 6010D (8oz, 1)	Total N/TKN/N+N/NH3 EPA 351.2/9056A (8oz, 1)	TOC Walkley Black (8oz, 1)	VOCs 8260D (6, 4)	Sample Comment
GAC00509T117S004	SS	G	-	-	5/9/2025	1320	3	-	-	X	X	X	X	-	005
GAC00509T117S008	SS	G	-	-	5/9/2025	1320	3	-	-	X	X	X	X	-	004
GAC00509T117T005	OT	-	-	-	5/9/2025	0700	2	-	-	-	-	-	-	X	007

**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:

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 Romeo Flores Signature

Customer Remarks / Special Conditions / Possible Hazards:

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Romeo Flores/CTEH	05-09-25 18:00	Andy Barker	05/10/2025 1145	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In- Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 2 of 6

GAC00509T117S

Pace® Location Requested (City/State):

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

CHAIN-OF-CUSTODY Analytical Request Document

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

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

L1853512

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

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
GAC00509T117S005	SS	G	-	-	5/9/2025	1315	3	-	-	X	X	X	X	-	-05
GAC00509T117S005MS	SS	G	-	-	5/9/2025	1315	3	-	-	X	X	X	X	-	-06
GAC00509T117S005MSD	SS	G	-	-	5/9/2025	1315	3	-	-	X	X	X	X	-	-07
GAC00509T117S006	SS	G	-	-	5/9/2025	1400	3	-	-	X	X	X	X	-	-09
GAC00509T117S007	SS	G	-	-	5/9/2025	1425	3	-	-	X	X	X	X	-	-10
GAC00509T117T003	OT	-	-	-	5/9/2025	0700	2	-	-	-	-	-	-	X	-1
				PA											

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

Preservation non-conformance identified for sample.

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

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

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 Bressley Alanis; Signature Bressley Alanis

Customer Remarks / Special Conditions / Possible Hazards:

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Bressley Alanis CTEH	05/09/25 1800	PACE	05/09/25 1800	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In- Person [ ] Courier
		Wally Barton	05/10/2025 1145	[ ] 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: 3 of 6

PA GAC00509T117S PA

Pace® Location Requested (City/State):

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

CHAIN-OF-CUSTODY Analytical Request Document

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LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

U857512

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

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

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:

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

Preservation non-conformance identified for sample:

* 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)

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
GAC00509T117S013	SS	G	-	-	5/9/2025	1320	3	-	-	X	X	X	X	-	
GAC00509T117C013	SS	G	-	-	5/9/2025	1320	3	-	-	X	X	X	X	-	
GAC00509T117S014	SS	G	-	-	5/9/2025	1345	3	-	-	X	X	X	X	-	
GAC00509T117S015	SS	G	-	-	5/9/2025	1400	3	-	-	X	X	X	X	-	
GAC00509T117S016	SS	G	-	-	5/9/2025	1415	3	-	-	X	X	X	X	-	
GAC00509T117T001	OT	-	-	-	5/9/2025	0700	2	-	-	-	-	-	-	X	

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 Brett Dunphy Signature Brett Dunphy

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:
Brett Dunphy / Montrose	5-9-25/1400	Andy Barton	05/10/2025 1145
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

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

GAC00509T117S

Pace® Location Requested (City/State):

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

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L485751

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:

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Analysis:

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

Specify Container Size **: 8oz | 8oz | 8oz | 8oz | 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.
GAC00509T117S017	SS	G	-	-	5/9/2025	1400	3	-	-	X	X	X	X	-	-18	
GAC00509T117S018	SS	G	-	-	5/9/2025	1430	3	-	-	X	X	X	X	-	-19	
GAC00509T117S019	SS	G	-	-	5/9/2025	1450	3	-	-	X	X	X	X	-	-20	
GAC00509T117T007	OT	-	-	-	5/9/2025	0700	2	-	-	-	-	-	-	X	-21	

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 / 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:
		Boully Barker	05/10/2025 1145
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

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

GAC00509T117S

Pace® Location Requested (City/State):

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

CHAIN-OF-CUSTODY Analytical Request Document

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

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

UKS 7512

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:

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:

* 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)

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.
GAC00509T117S009	SS	G	-	-	5/9/2025	1340	3	-	-	X	X	X	X	-	-09	
GAC00509T117S010	SS	G	-	-	5/9/2025	1400	3	-	-	X	X	X	X	-	-10	
GAC00509T117S011	SS	G	-	-	5/9/2025	1420	3	-	-	X	X	X	X	-	-24	
GAC00509T117S012	SS	G	-	-	5/9/2025	1500	3	-	-	X	X	X	X	-	-25	
GAC00509T117T009	OT	-	-	-	5/9/2025	0700	2	-	-	-	-	-	-	X	-26	

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 Andrew Scholl
Signature Andrew Scholl

Customer Remarks / Special Conditions / Possible Hazards:

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Andrew Scholl / Enviroscience	05/09/25 18:00	Ashley Porter	05/10/2025 1145	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In- Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 6 of 6

GAC00509T117S

Multiple Parcel Form L# 14557512

Parcel Tracking Number	Infrared Thermometer ID	Temperature Reading (°C)	Correction Factor (°C)	Corrected Temperature (°C)	Custody Seal Intact
SWA	TLA9	3.4	0.4	3.8	Yes / No / Not Present
SWA	TLA9	3.6	0.4	4.0	Yes / No / Not Present
SWA	TLA9	4.5	0.4	4.9	Yes / No / Not Present
SWA	TLA9	2.1	0.4	2.5	Yes / No / Not Present
SWA	TLA9	3.7	0.4	4.1	Yes / No / Not Present
SWA	TLA9	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

Name

05/10/2025
Date